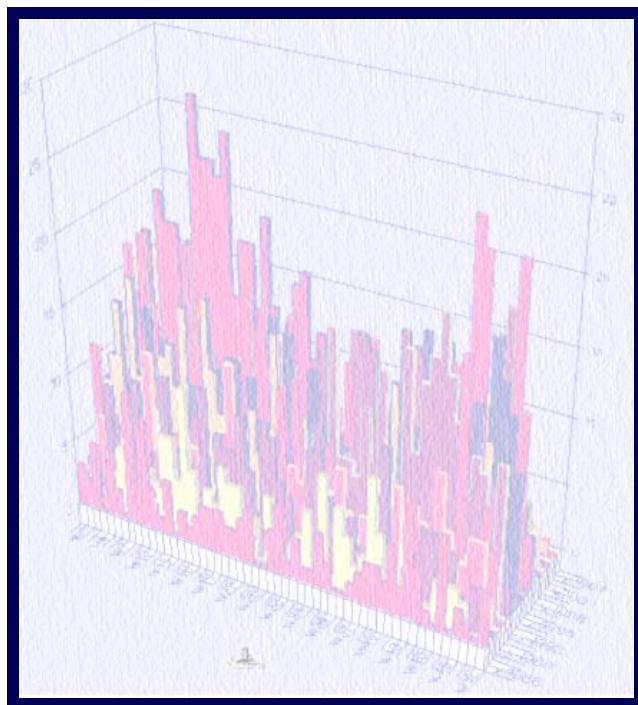


San Francisco Communicable Disease Report

1986-2003



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Introduction

This report summarizes the epidemiological profile of notifiable disease reports collected by the Communicable Disease Control Unit (CDCU) of the San Francisco Department of Public Health from 1986-2003. Notifiable communicable disease reports managed by other SFDPH sections are not represented in this report (i.e. tuberculosis, HIV and AIDS, and other sexually transmitted diseases). The results are presented in two primary parts. The first part describes incidence trends of 12 selected diseases in San Francisco in the forms of narratives and graphs; graphical comparison of San Francisco disease rates with the Bay Area, California and the United States from 1994-2003 are also made. In addition to these 12 selected diseases of focus, the same graphical comparisons are made for 9 additional diseases without accompanying text in the second portion of results. Detailed frequency, rate and standardized incidence ratio tables for 21 diseases are located in Appendices C1-C3 and D1-D21. Annual frequencies for all notifiable communicable diseases managed by CDCU are located in Appendix B.

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The following downloads are available from the web address listed above:

- Complete version of this report in PDF.
- The San Francisco population estimates used for this report in Microsoft Excel format or in CSV format.
- The San Francisco version of the California Confidential Morbidity Report (CMR) and all legally reportable diseases and conditions.
- The SAS macro used to approximate the Poisson Exact Confidence Limits presented in this report.

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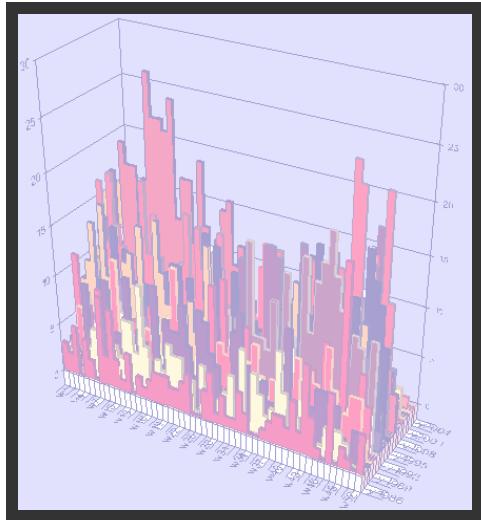
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I. Methods



San Francisco Data Collection

San Francisco health care providers, laboratories and other mandated reporters are required under Title 17, California Code of Regulations (CCR) (§2500, §2505, §2593, §2641-2643, §2800-2812)¹, to notify the local health authority of the diagnosis, detection or suspicion of certain diseases and conditions. Reports are confidentially received by fax, telephone or postal mail. Reports by fax and postal mail are generally submitted using the California Confidential Morbidity Report (CMR) form designated for this purpose². Limited demographic and clinical information is provided on the CMR. Depending on the condition being reported, a disease control investigator attempts to contact the health care provider, laboratory and/or patient for follow-up and implementation of disease control measures. Clinical and risk factor data are then collected according to departmental and state protocols. Data are managed using a locally designed database beginning in 1986.

Notifiable diseases for which physician and laboratory reports are managed by other SFDPH sections (AIDS Office, STD Control, and Tuberculosis Control) are not represented in this report:

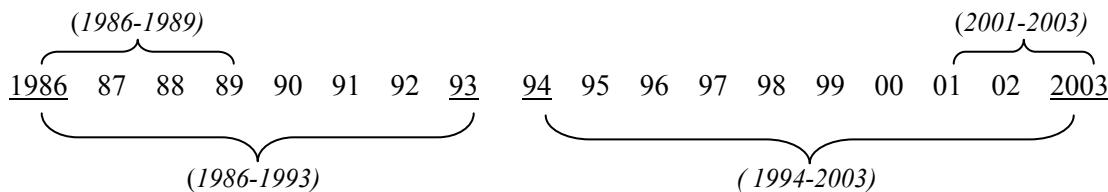
Acquired Immune Deficiency Syndrome (AIDS)
Chancroid
Chlamydial Infections (excluding *Chlamydia pneumoniae*)
Gonococcal Infections
Human Immunodeficiency Virus (HIV)

Non-Gonococcal Urethritis
Pelvic Inflammatory Disease (PID)
Syphilis
Tuberculosis

Additionally, the chronic hepatitides are not addressed in this report.

Surveillance Period

This report covers the 18-year period from January 1, 1986 through December 31, 2003. Because the surveillance period for this report is long, it was broken down into epidemiologically relevant or convenient subperiods. Several analyses focus on the most recent 10 years of data, from 1994-2003. Average annual incidence for subperiods were calculated to compare incidence over time. Using the average annual incidence avoids making single year comparisons that may be unstable or biased. The time frames used, as shown in the following graphic, are generally one of the following: 1986 to 1993; 1994 to 2003; 1986 to 1989; or 2001 to 2003.



The period of observation for some diseases was dictated by changes in reporting regulations. Of note, *Escherichia coli* O157:H7 infections became notifiable in California in 1996, and cryptosporidiosis became notifiable in 1989. National data were not available for 2003 at the time of this report's release.

Racial and Ethnic Categorization

Population estimates for San Francisco were obtained from the California Department of Finance (DOF) Demographic Research Unit³⁻⁵. During 1986-1999, race and ethnicity for data collected by both the Communicable Disease Control Unit (CDCU) as well as for California DOF population estimates were tabulated using similar categories, whereby race and ethnicity were considered mutually exclusive categories. Using this method, an individual with Hispanic ethnicity, regardless of racial designation, was considered to be Hispanic. Non-Hispanic individuals were categorized by the designation of their race. People were ultimately then classified as one of the following: American Indian/Alaska Native, Asian/Pacific Islander, African American (Black), Hispanic, or White. CDCU infrequently used an additional race category, Other. Because the category Other is not clearly defined and no reliable population estimate exists for it in San Francisco, race-specific rates were not calculated for this population group. Only the frequency values for the race Other were included in the incidence tables for this report.



In 2000, the United States Census Bureau began allowing the designation of multiple races for its decennial population census. Because the California DOF estimates are based on U.S. Census counts for California, San Francisco population estimates for 2000-2003 contained the additional racial category Multiple Race. Because CDCU continued to collect data allowing only a single racial designation during 2000-2003, a bridging method established by the California DOF was used to reallocate the population in the Multiple Race category to single race categories⁶. This method provided reproducible denominators for calculating race-stratified incidence rates.

Demographic Data

Depending on the disease, demographic information is usually ascertained through patient interviews by disease control investigators, medical chart abstraction or health care provider interviews. Because not all diseases are followed up by a disease control investigator (e.g., campylobacteriosis), completeness varied by disease. While the goals of the surveillance system have remained constant between 1986 and 2003, variations in specific data collection methods may have introduced bias for demographic elements. Generally, completeness of demographic data improved over time.

Age was calculated by subtracting the date of birth from the date of report to SFDPH, then dividing the resultant value by 365.25 to account for leap years. Numerical values for age were also routinely collected and separately entered into the database. If either of the dates used in the above formula was missing and a numerical age was recorded, then this manually entered age value was used. This replacement method was required for 834 (2%) of the 38,460 cases of reportable diseases from 1986-2003. Most (91%) of those with incalculable ages due to missing date values were reported to SFDPH prior to 1990. All reportable cases ultimately had a valid age estimate. The frequency of cases with missing or unknown sex or race/ethnicity data were included in tabular displays.

Selection of Diseases for Trend and Detailed Analyses

The Communicable Disease Control Unit investigates and manages clinician and laboratory reports for more than 70 notifiable diseases and conditions (Title 17, CCR)¹. Based on historical burden in San Francisco, the severity of disease and public health impact, and specific interest to community health programs, 21 diseases were selected for analysis of trend, demographic detail, and comparison with the Bay Area, California and United States. From these, 12 diseases were selected for more detailed analysis and narrative description.

Comparison Jurisdictions and Healthy People 2010 Targets

As a relative measure of disease burden in San Francisco, incidence of 21 selected diseases was compared with 5 neighboring Bay Area health jurisdictions, California and the United States. The Bay Area jurisdictions included Alameda, Contra Costa, Marin, San Mateo and Santa Clara Counties. Permission was obtained from these jurisdictions for use of their surveillance data in aggregate prior to inclusion in this report. Incidence for these jurisdictions and California from 1994-2000 was obtained from California Department of Health Services (CDHS) annual surveillance reports⁷⁻⁸. Incidence from 2001-2003 was obtained from provisional CDHS communicable disease summaries⁹ and direct communication with CDHS Infectious Disease Branch staff. Disease incidence for the City of Berkeley, a local health jurisdiction distinct from Alameda County, was not included, and Berkeley's population was subtracted from Bay Area population estimates for rate calculations. Nationally notifiable diseases are defined periodically by the Council of State and Territorial Epidemiologists with input from the Centers for Disease Control and Prevention (CDC), and CDC receives national disease incidence voluntarily from states. National incidence from 1994-2002 was obtained from the 2002 *Summary of Notifiable Diseases* in the United States from the CDC Epidemiology Program Office¹⁰. Note that San Francisco data are displayed by the date of report to SFDPH whereas the data for all other California jurisdictions are displayed by the date the local health jurisdiction reported the cases to CDHS, and national data are displayed by the date states reported them to CDC.

Incident data for Bay Area jurisdictions were combined into a single unit and did not include incidence for San Francisco. Incidence for California and the United States, however, did include disease reports from San Francisco, which violates the assumption of independence implicit in statistical comparisons between rates. The portion of either California or United States cases that are San Francisco residents is small relative to the number of cases



statewide or nationally and therefore is considered to be insignificant. Furthermore, any influence of this dependent relationship between the rates for San Francisco, California and the United States on statistical rate comparisons would bias the result toward the null hypothesis of no difference between rates. The standardized incidence ratios presented in this report are considered conservative estimates, therefore, if any such bias exists.

Healthy People 2010 is a comprehensive, nationwide health promotion and disease prevention agenda that contains 467 objectives designed to serve as a road map for improving the health of all people in the United States¹¹. Some of these objectives were established for communicable diseases. Among the 21 diseases selected for graphical presentation of the incidence trend from 1994-2003, the Healthy People 2010 Target is included for those having a corresponding target rate.

Statistical Calculations

Data manipulation, statistical calculation, and graphic and tabular presentation were performed using SAS version 9.1.3 (SAS Institute Inc., Cary, NC).

Rate Calculations and Exact Confidence Limits for Rates

Rates allow for comparison of disease burden between jurisdictions and population groups, as well as over time. The rates presented in this report were not adjusted for age. The population at risk was approximated by the California DOF population estimates. The one-year crude incidence rate (IR) was calculated as the proportion of disease events per 100,000 people at risk (person-years):

Formula 1.

$$IR = \left(\frac{n}{p} \right) \times 100,000$$

where n = Number of Cases and p =Population at Risk, and each is identified for a one-year period.

Example: In 2001, there were 144 female cases of campylobacteriosis in San Francisco. The estimated number of female residents in 2001 was 386,283. Accordingly, the incidence among females was:

$$IR_{Campy\ 2001\ Females} = \left(\frac{144}{386,283} \right) \times 100,000 = 37.3 \text{ cases per 100,000 population.}$$

The 95% Exact Confidence Intervals for incidence rates were approximated from the gamma distribution¹².

Standardized Incidence Ratio Calculations and Exact Confidence Limits for Ratios

A standardized incidence ratio (SIR) provides a relative measure for comparing the burden of diseases in San Francisco against a benchmark population¹³. It compares the actual number of cases of a disease in San Francisco residents to the number of cases that would be expected if the incidence of disease in San Francisco were similar to that observed in a reference or standard population, such as all California residents. In most cases, the value of this measure is the same as a rate ratio, the ratio of two crude incidence rates.

Formula 2.

$$SIR = \left(\frac{n_o}{n_e} \right) \times 100,000$$

where n_o = Observed Number of Events (Number of Cases in San Francisco) and n_e = Expected Number of Events.



$$n_e = IR_{BayArea,CA,US} \times p_{BayArea,CA,US}$$

where p = Population at Risk (Bay Area, CA or US).

The Standard Rate should be used as the absolute proportion of cases to the total population. For example, if the rate for a standard population is given as 1.65 cases per 100,000 population, it must be converted to the decimal proportion 0.0000165 (Number of Cases / Population at Risk).

Example: In 2001, there were 146 cases of amebiasis in San Francisco and the rate was 1.65 for California. The estimated population of California in 2001 was 787,082 residents. Accordingly,

$$SIR_{Amebiasis2001_{SF/CA}} = \left(\frac{146}{(0.0000165 \times 787,082)} \right) \times 100 = 11.2$$

Formula 3.

95% Confidence Interval for SIR =

$$CL_{95\%} = \ln \left[\log(SIR) \pm 1.96 \left(\frac{1}{\sqrt{n_{SF}}} \right) \right]$$

where n_{SF} = Number of San Francisco Cases .

The confidence limits for the SIRs were approximated from the normal distribution.

Rounding Numbers

Rates and proportions were generally rounded to one decimal place in tables and figures and to the nearest whole number in the text. Statistical calculations, however, were conducted using a greater level of numerical precision. Consequently, calculation of statistics (e.g., SIR) based solely on rates presented in this report may not match that shown in the tables. Similarly, confidence limits may appear biased due to rounding to one decimal place.

Reliability of Rates

With rare diseases, or diseases where the number of cases for a particular population group is very small, a small change in the number of incident cases can result in a relatively large shift in the corresponding rate. Rates, ratios and percents based on a small number of events may be unreliable and are generally subject to substantial variability over time. Unstable rates and ratios should not be statistically compared for difference with the rates and ratios for other populations or over time. Rates with a relative standard error (RSE) of 23% or greater were considered unstable and clearly identified by an asterisk in the tables of this report¹⁴. Equivalently, numerator values of less than 20 result in unreliable rates.

Formula 4.

$$RSE = \left(\frac{SE_{rate}}{r} \right) \times 100 = \left(\frac{\sqrt{n}}{r} \right) \times 100 = \left(\sqrt{\frac{1}{n}} \right) \times 100$$

where r = Rate and SE_{rate} = Standard Error of a Rate and n = Number of Cases .



Example: In 2003, there were 331 cases of campylobacteriosis and 15 cases of hepatitis A reported in San Francisco. Accordingly, the relative standard error for campylobacteriosis is:

$$RSE_{Campy2003} = \left(\sqrt{\frac{1}{331}} \right) \times 100 = 5.5\%$$

The rate derived from the frequency of campylobacteriosis cases is considered stable (RSE < 23%).

$$RSE_{HepA2003} = \left(\sqrt{\frac{1}{15}} \right) \times 100 = 25.8\%$$

The rate derived from the frequency of hepatitis A cases is not stable and is considered unreliable (RSE > 23%).

While the unstable rates (and the ratios based on unstable rates) themselves are presented in data tables to provide the reader with a reference for its magnitude, unstable rates were not compared statistically. Therefore, no confidence intervals were reported for standardized incidence ratios calculated from unstable rates. Readers should not use unstable rates for detection of statistical difference from the rates for other populations or over time because such comparisons are invalid.

Rules for Data Suppression

Under certain conditions, it is possible that an individual case-patient could be identified from tabulated data. This may occur if the number of cases for a given time period is sufficiently small, and demographic classification is specific enough that the resulting pool of residents described by it is also sufficiently small. In order to protect patient confidentiality, the following general rules were applied:

- All data for tables cross tabulated with potentially identifying classifications, regardless of cell count value, were reported. Potential identifiers included:
 1. Age (group)
 2. Race/ethnicity
 3. Gender
- However, table entries containing fewer than 5 events for the *intersection of three potentially identifying data elements* above were suppressed.

Data Limitations

The surveillance data presented are those cases reported by clinicians, laboratorians and other mandated reporters to the local health authority in compliance with public health laws¹. Reports may be incomplete and/or important demographic, clinical or risk information may not be available upon active follow-up. Because not all cases of disease were detected by the health care system and not all detected cases were reported to the public health department, the information presented in this report may underestimate the true incidence of disease.

Note to Users of this Report

Occasionally, consumers of communicable disease surveillance data wish to have incidence figures for specific population parameters (e.g., rate of shigellosis in children ≤5 years of age in 2000). Simple calculations can be accomplished by inserting the desired incidence data provided in the tables of this report and the San Francisco population estimates from Appendix E into *Formula 1* above. When such calculations are used for grants or technical papers, the citation of this report must explicitly indicate that the calculations were not performed by SFDPH.



Example: A grant writer wishes to know the rate of shigellosis in San Francisco residents 5 years of age and younger in 2000. From Appendix C1, 2 cases were <1 year of age and 15 cases were 1-4 years of age. Similarly, the number of San Francisco residents in 2000 can be found in Appendix E:

	<u>Female</u>	<u>Male</u>
<1 yr	3,560	3,663
1-4 yrs	11,700	12,463

Thus, the total number of cases ≤ 5 years of age = $(15 + 2) = 17$ and

the total population ≤ 5 years of age = $(3,560 + 11,700 + 3,663 + 12,463) = 31,386$ and

the rate of shigellosis in this group = $(17 / 31,386) \times 100,000 = 54.2$ cases per 100,000 population.

Abbreviated Terms

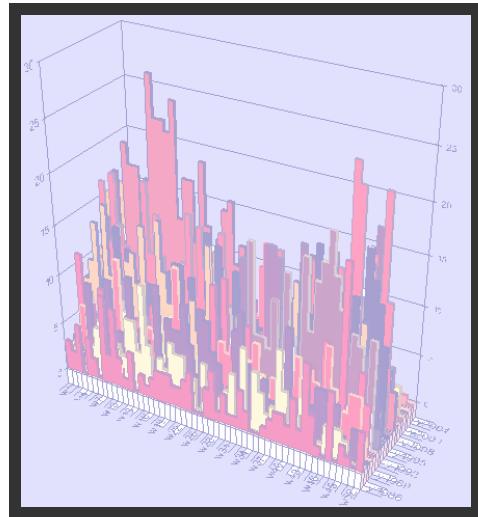
The following abbreviated terms may be found within this report:

AIDS	Acquired Immune Deficiency Syndrome
CCR	California Code of Regulations
CDC	United States Centers for Disease Control and Prevention
CDCU	Communicable Disease Control Unit, San Francisco Department of Public Health
CDHS	California Department of Health Services
CL	Confidence Limit
CMR	California Confidential Morbidity Report
DOF	California Department of Finance
HAART	Highly Active Anti-Retroviral Therapy
HIV	Human Immunodeficiency Virus
IR	Incidence Rate
LHJ	Local Health Jurisdiction
MSM	Men who have sex with men
Asian/PI	Persons of Asian or Pacific Islander (e.g., Filipino, Tongan, Samoan) heritage
RSE	Relative Standard Error
SIR	Standardized Incidence Ratio
SFDPH	San Francisco Department of Public Health



II. Results:

Narrative and Detailed Trend Analysis for 12 Selected Diseases



Amebiasis

The incidence of amebiasis followed a mostly gradual decline from 34 cases per 100,000 population in 1994 to 14 cases per 100,000 in 2003. Despite this decline, the rate of amebiasis in San Francisco was consistently 9 to 10 times those for the Bay Area and California, which were very similar to each other during 1994-2003. The greatest burden of disease was among men, particularly white males between 25 and 44 years of age, a group that comprised one-third of all cases during 1994-2003. The average annual rate for females during 1994-2003, however, was similar to those for the Bay Area and California. Hispanics and whites were the most affected racial/ethnic groups, each of which experienced approximately 20 cases per 100,000 population in 2003.

FIG. 1: Frequency and Incidence Rate for Amebiasis
San Francisco, 1986–2003

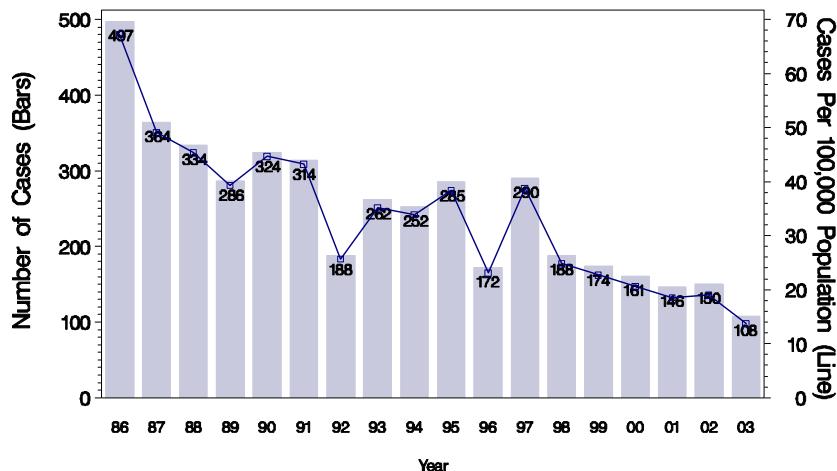
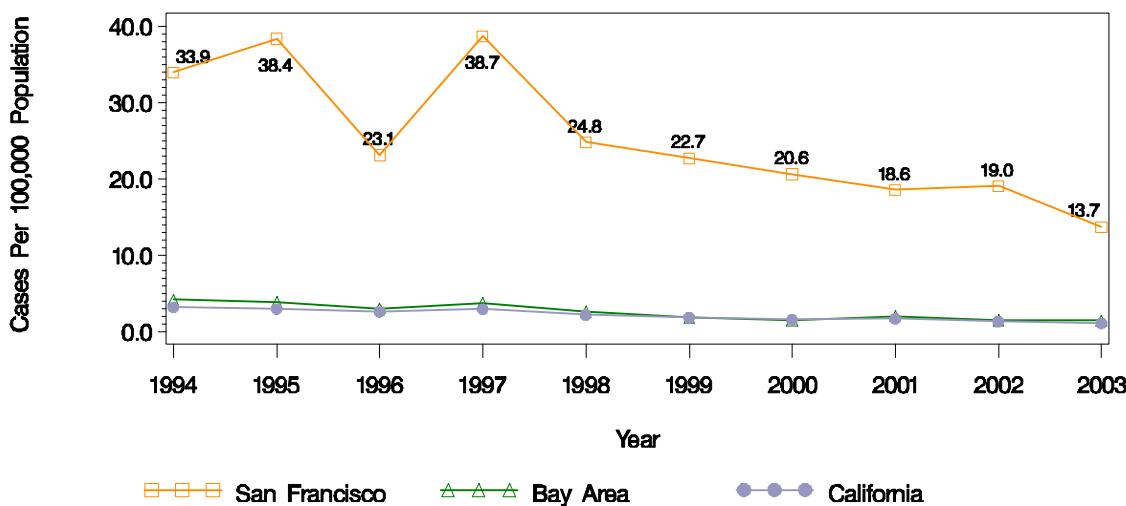


FIG. 2: Incidence Rates for Amebiasis
San Francisco, Bay Area Counties, and California, 1994–2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.
2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHD to CDHS/CDC.

Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.

Note: Amebiasis is not nationally notifiable.



Campylobacteriosis

Campylobacteriosis is the most frequently reported enteric disease in San Francisco. The rate for San Francisco was consistently twice that for the Bay Area and approximately 3 times that for California. Infants and children less than 5 years of age had the highest rates of disease (as many as 400 cases per 100,000 population in 1996), though they comprised only 13% of cases between 1994 and 2003. While the sex ratio among infants (male:female=1.1) was similar to that for the overall population of San Francisco during 1994-2003 (m:f=1.0), in the 25-44 year age group there was a disproportionate burden of campylobacteriosis in males (m:f=1.9). The rate among males of all ages was substantially greater than that for females through 2002. Only in 2003 were the rates between sexes no longer statistically different. The overall San Francisco rate halved between 1994 and 2003 to 42 cases per 100,000 population.

FIG. 3: Frequency and Incidence Rate for Campylobacteriosis
San Francisco, 1986–2003

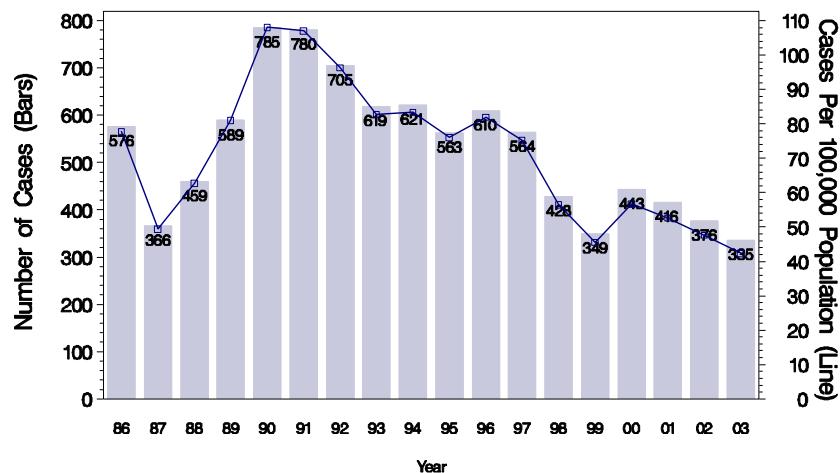
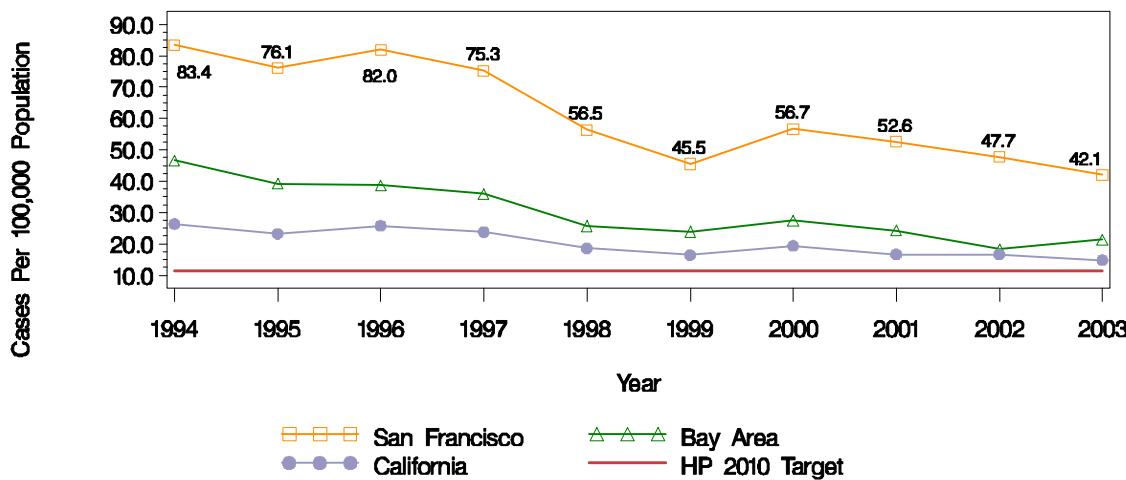


FIG. 4: Incidence Rates for Campylobacteriosis
San Francisco, Bay Area Counties and California, 1994–2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHD to CDHS/CDC.

Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.

Healthy People 2010 Target: 11.5 cases per 100,000 population.

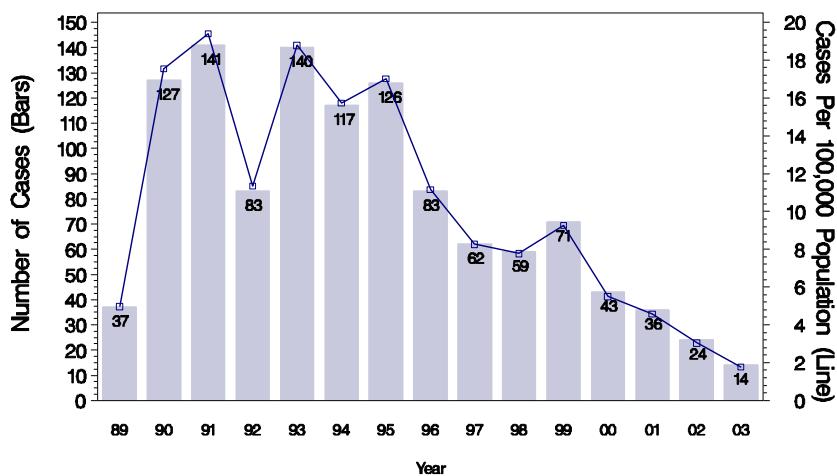
Note: Campylobacteriosis is not nationally notifiable.



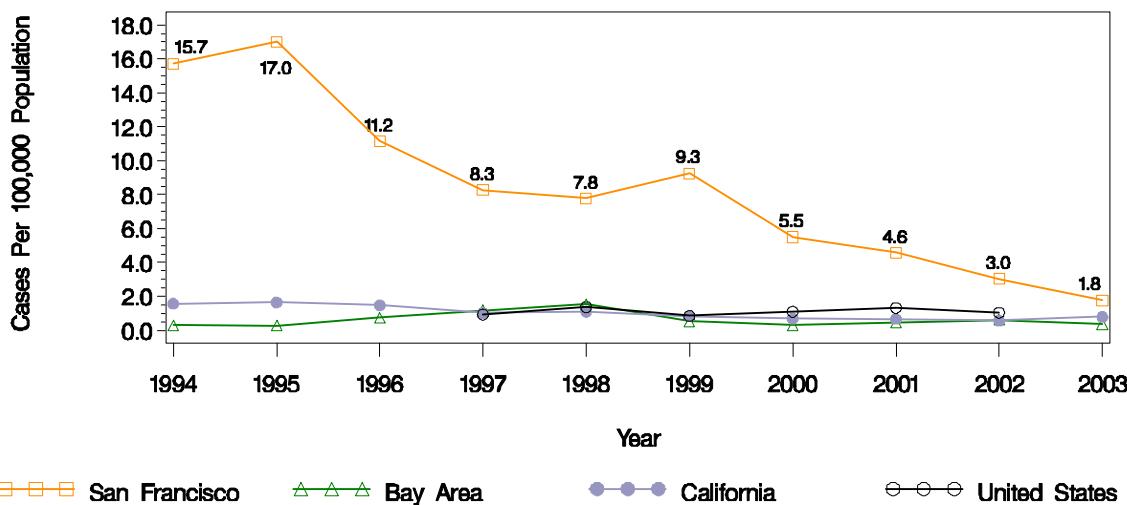
Cryptosporidiosis

Cryptosporidiosis became reportable in California in 1989. The San Francisco incidence historically exceeds that for the other Bay Area counties, California and the United States. In both 1994 and 1995, the rate in San Francisco was more than 50 times that for other Bay Area residents. The high rates of cryptosporidiosis in San Francisco during the 1990s resulted predominantly from disease among immunosuppressed individuals. In a case-control study among persons with AIDS, cryptosporidiosis in San Francisco was associated with the consumption of municipal tap water¹⁵. However, rates of cryptosporidiosis decreased during the late 1990s concomitant with the availability of highly active anti-retroviral therapy (HAART). The proportion of San Francisco residents living with AIDS that received HAART increased from 43% in 1996 to approximately 75% during 2000-2002¹⁶. The demographic profile of cryptosporidiosis cases resembles that for San Francisco residents living with AIDS¹⁶, with the majority of *Cryptosporidium* infections occurring among males between 25 and 54 years of age. Of the 215 male cases interviewed between 1994 and 2003, 90% (193 of 215) were MSM.

**FIG. 5: Frequency and Incidence Rate for Cryptosporidiosis
San Francisco, 1989 – 2003**



**FIG. 6: Incidence Rates for Cryptosporidiosis
San Francisco, Bay Area Counties, California and United States, 1994 – 2003**



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.
2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHD to CDHS/CDC.

Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.

Note: Cryptosporidiosis became notifiable in California in 1989 and nationally in 1997.



Escherichia coli O157:H7 Infection

Escherichia coli O157:H7 infection became legally reportable in California in 1996. Incidence in San Francisco, generally characterized by sporadic cases and point source exposures, remained low and comparable to that for the Bay Area and California through 2001, after which the frequency of identified cases increased. Two documented outbreaks in congregate settings characterized by person-to-person transmission contributed to the rise in incidence to 3.4 cases per 100,000 population in 2003, a rate 5 times that for California.

FIG. 7: Frequency and Incidence Rate for E. coli O157:H7 Infection
San Francisco, 1996–2003

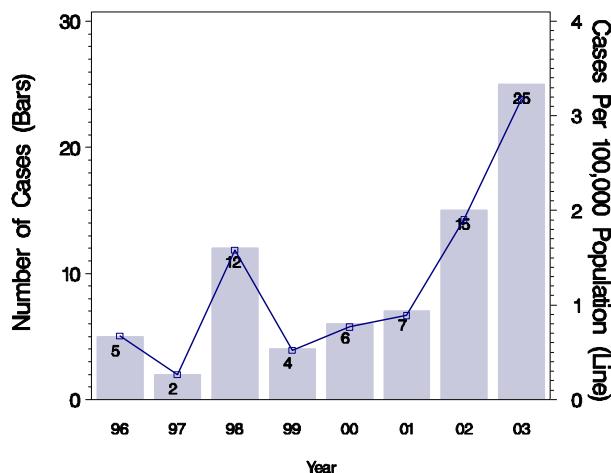
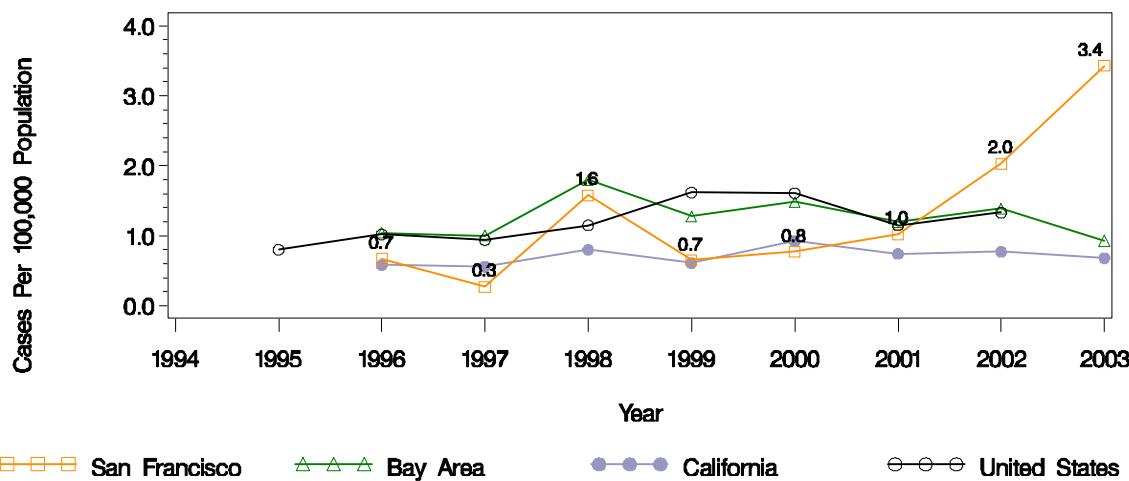


FIG. 8: Incidence Rates for E. coli O157:H7 Infection
San Francisco, Bay Area Counties, California and United States, 1994–2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.
2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.
Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.

Healthy People 2010 Target 1.0 case per 100,000 population

Note: E. coli O157:H7 Infections became notifiable nationally in 1994 and notifiable in California in 1996.



Giardiasis

Incidence of giardiasis in San Francisco declined gradually from 55 cases per 100,000 population in both 1994 and 1995 to 32 cases per 100,000 in 2003. The rate far exceeded that for the Bay Area and California during 1994-2003. The frequency of giardiasis in black and Asian or Pacific Islander residents in San Francisco was low (average annual rates from 2001-2003 were approximately 16 and 7 cases, respectively, per 100,000 population), whereas incidence among whites and Hispanics was considerably higher (average annual rates from 2001-2003 were approximately 60 and 30 cases, respectively, per 100,000 population). In particular, white men ages 25-44 years accounted for 1 of every 3 cases from 1994-2003.

FIG. 9: Frequency and Incidence Rate for Giardiasis
San Francisco, 1986–2003

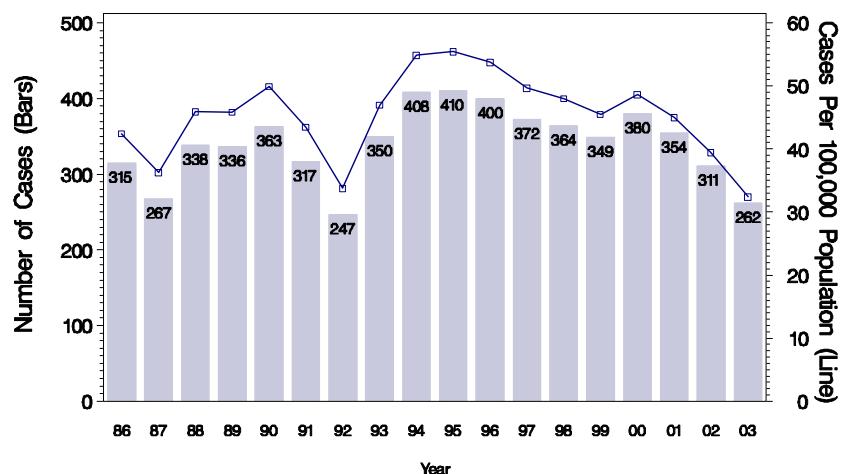
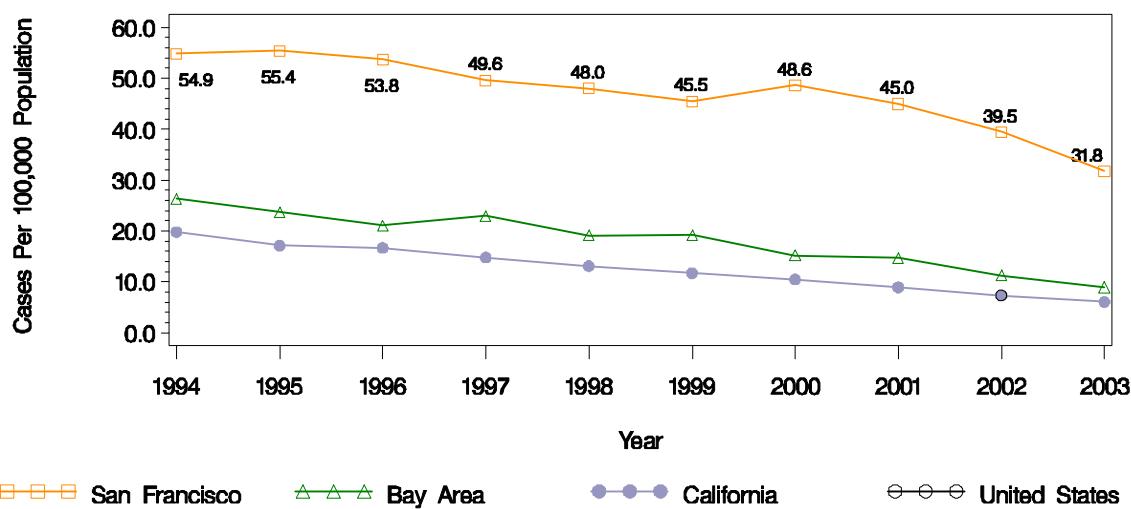


FIG. 10: Incidence Rates for Giardiasis
San Francisco, Bay Area Counties, California and United States, 1994–2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.
2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.
Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.

Note: Giardia became nationally notifiable in 2002 (thus only one data point represented for US, which coincides with 2002 CA rate).



Hepatitis A

The epidemiology of acute hepatitis A in San Francisco was unique among Bay Area jurisdictions during 1994–2003. The overall disease rate climbed from 35 cases per 100,000 population in 1990 to 80 cases per 100,000 population in 1996 and 1997. From 1986–2003, the rates for residents ages 25–44 years were the highest among age groups and rates were higher in males. In 1986, 37% of all cases were in males between 25 and 44 years of age; by 1991, the proportion was 64%. The San Francisco rate decreased from 78 cases per 100,000 population in 1996 to 5 cases per 100,000 in 2002. Incidence for all comparison jurisdictions also converged near the Healthy People 2010 Target of 4.5 cases per 100,000 population in 2002. In 2003, only 15 cases were reported in San Francisco. Community outbreaks of hepatitis A are known to occur cyclically, which may account for the peaks in 1991 and 1996–1997. It is hypothesized that the introduction of the hepatitis A vaccine in 1995 and its availability over the next few years may have contributed to the marked decrease in cases after 1997.

FIG. 11: Frequency and Incidence Rate for Hepatitis A
San Francisco, 1986–2003

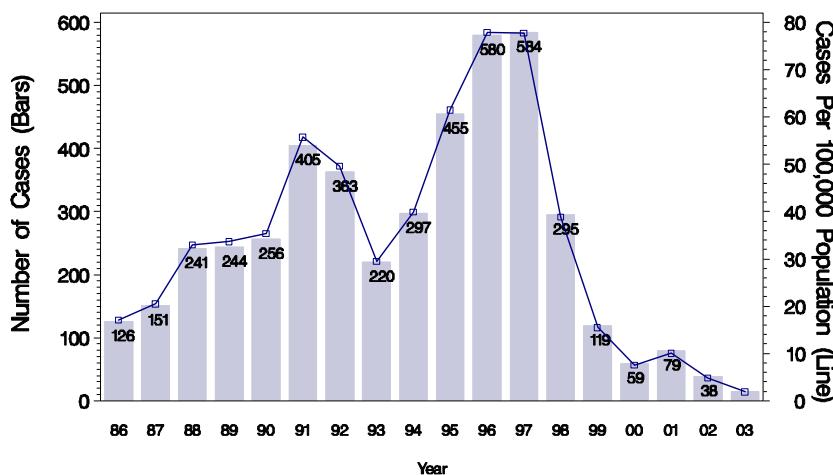
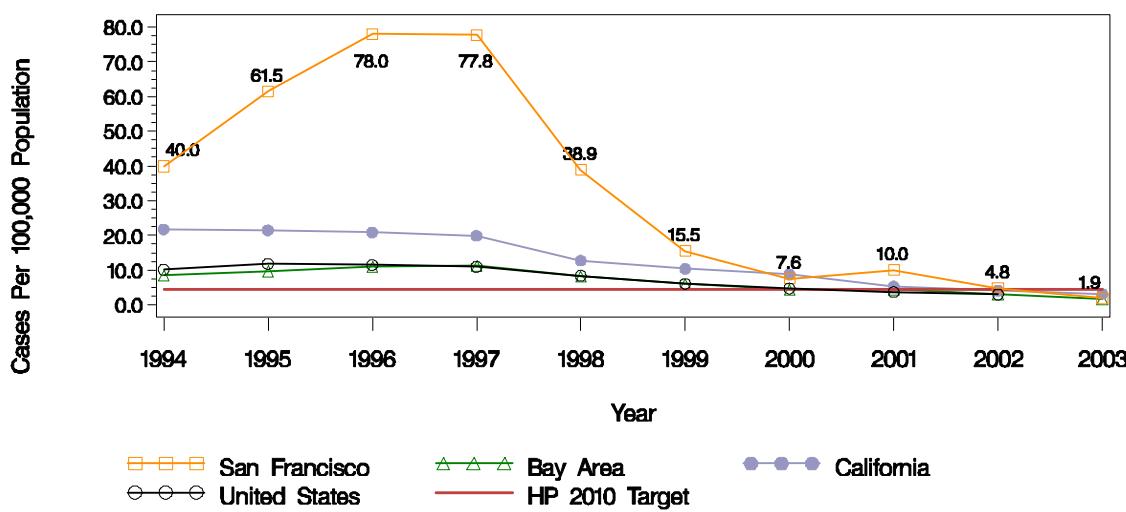


FIG. 12: Incidence Rates for Hepatitis A
San Francisco, Bay Area Counties, California and United States, 1994–2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.
2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHD to CDHS/CDC.

Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.

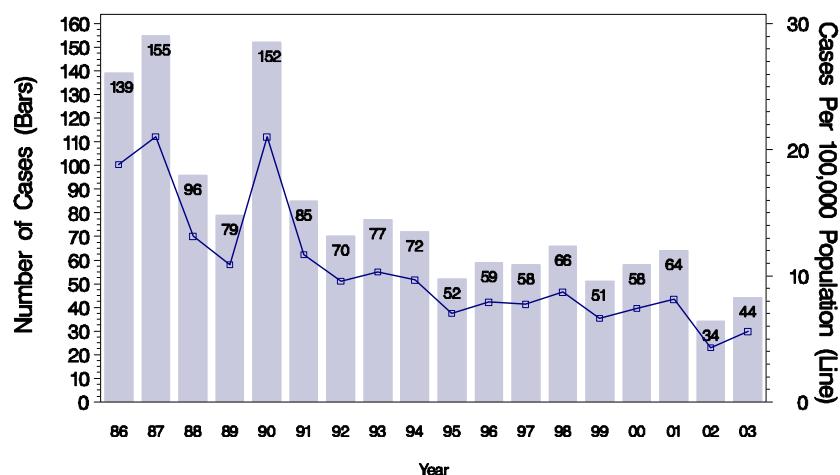
Healthy People 2010 Target: 4.5 cases per 100,000 population.



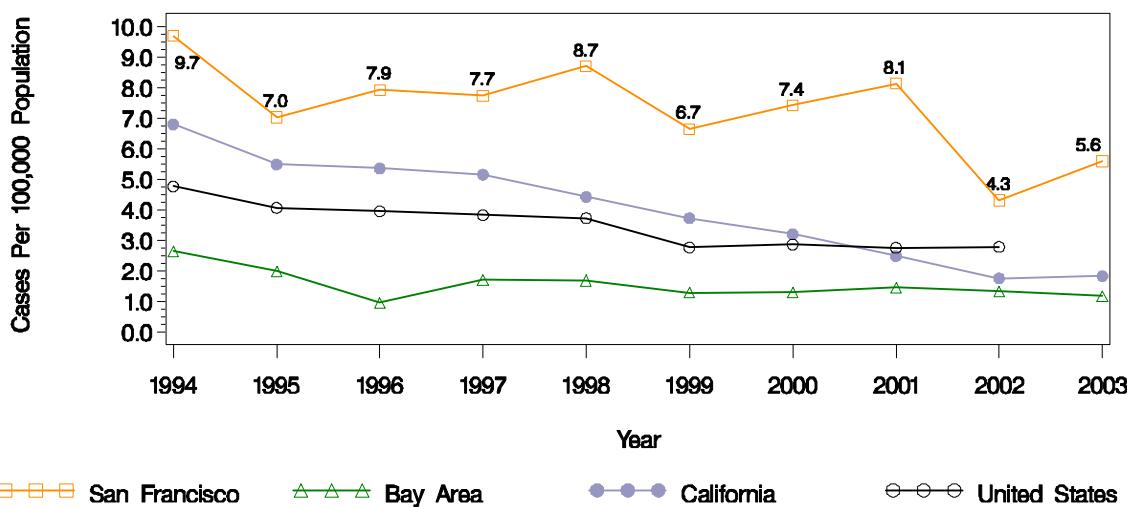
Acute Hepatitis B

Incidence of acute hepatitis B in San Francisco significantly exceeded that for the Bay Area, California and the United States between 1994 and 2003. Though the San Francisco rate decreased significantly from the late 1980s to 2003, it consistently remained about 5 times higher than that for the Bay Area. The average annual rate declined from 16 cases per 100,000 population during 1986-89 to 6 cases per 100,000 population during 2001-2003. This reduction in disease burden was greater in females. Between the first 3 years of surveillance period (1986-1989) and the last 3 years (2001-2003), the average annual rate for males declined 56%, whereas the average annual rate for females during the same period fell 83%. Among age groups, the greatest disease burden was consistently in persons 15-44 years of age, a group which comprised 91% of all cases during the period 1986-2003.

**FIG. 13: Frequency and Incidence Rate for Hepatitis B
San Francisco, 1986 – 2003**



**FIG. 14: Incidence Rates for Acute Hepatitis B
San Francisco, Bay Area Counties, California and United States, 1994 – 2003**



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.
2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.

Healthy People 2010 Target varies among age and risk groups.



Measles

Following a decade of very low morbidity from measles, a nationwide outbreak occurred among undervaccinated individuals in 1989-1991¹⁷, when 49 cases were identified in San Francisco. Measles returned to very low levels in the years following this outbreak and continues to be a rare disease in San Francisco. The city rate was historically similar to those for the Bay Area, California and the United States, and there was no evidence of ongoing community transmission of measles in San Francisco. Of the 21 cases reported in San Francisco during the 10-year period 1994-2003, 15 (71%) resulted from limited local transmission after exposure to an imported case of infectious measles. In 2001, two separate small disease clusters among recent immigrants and travelers illustrate this point. For the period 1994-2003, 17 (81%) of the 21 cases occurred among adults at least 20 years of age and none occurred in infants less than 1 year old.

FIG. 15: Frequency and Incidence Rate for Measles
San Francisco, 1986 – 2003

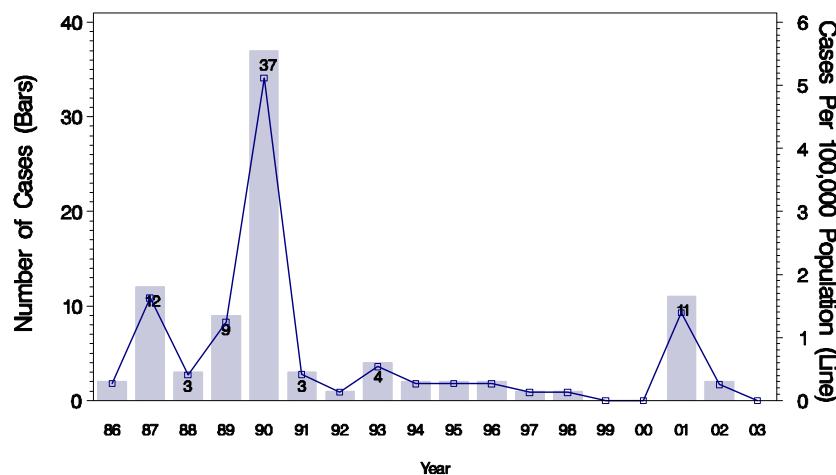
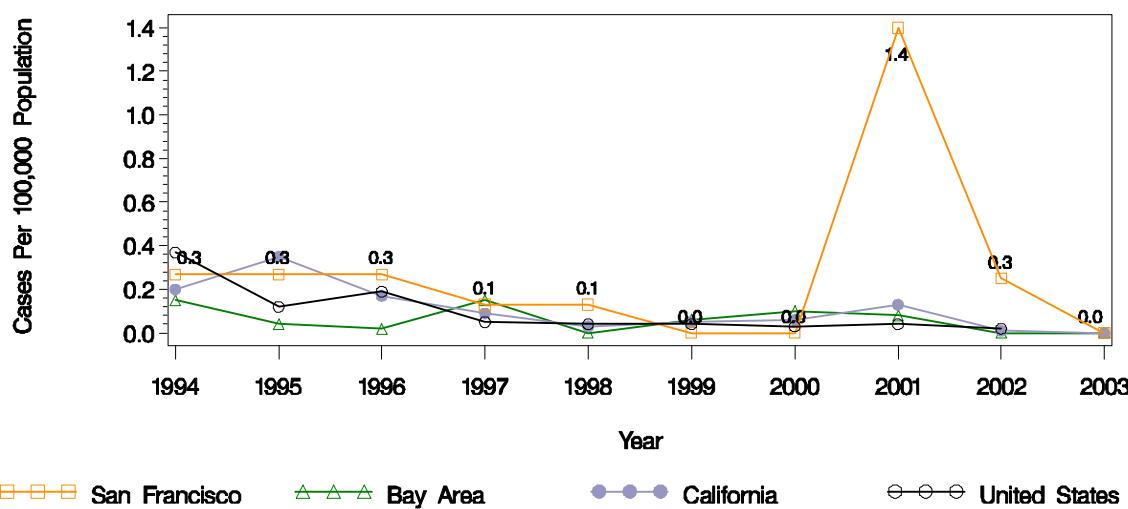


FIG. 16: Incidence Rates for Measles
San Francisco, Bay Area Counties, California and United States, 1994 – 2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.
2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHD to CDHS/CDC.

Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.

Healthy People 2010 Target: 0 cases.



Meningococcal Disease

Few cases of meningococcal disease occur in San Francisco each year. Because less than 20 cases occurred annually during 1994-2003, the historical annual rates of disease in San Francisco are statistically unreliable; however, their trend was very similar to that for the Bay Area. Males comprised 57% of the 127 of reported cases between 1994 and 2003. Of all cases reported during this period, 49 (39%) were identified as meningococcal meningitis (inflammation of the membranes of the spinal cord or brain) and 71 (59%) as meningococcemia (meningococci in the circulating blood). The proportion of all cases that occurred in children less than 5 years of age declined from 35% during 1986-1993 to 15% during 1994-2003 (FIG. 19), and the median age of cases from 1994-2003 (median=32 years) was older than that for cases reported during 1986-1993 (median=17 years). No cases were reported among infants less than 1 year of age in 1997 or later.

FIG. 17: Frequency and Incidence Rate for Meningococcal Disease
San Francisco, 1986–2003

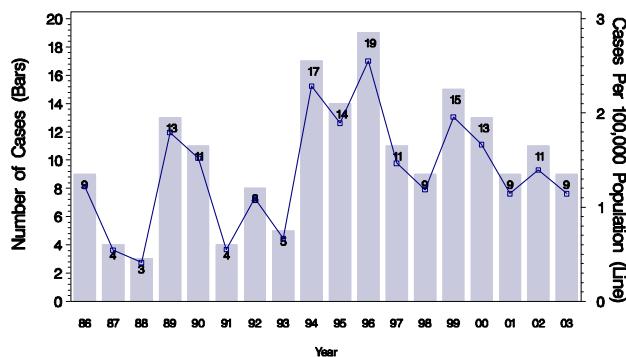


FIG. 19: Meningococcal Disease by Age Group
San Francisco, 1986–2003

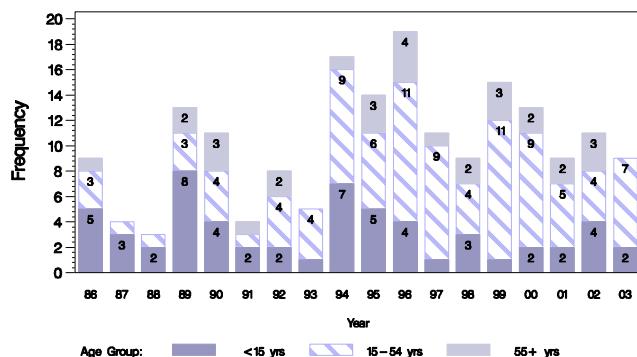
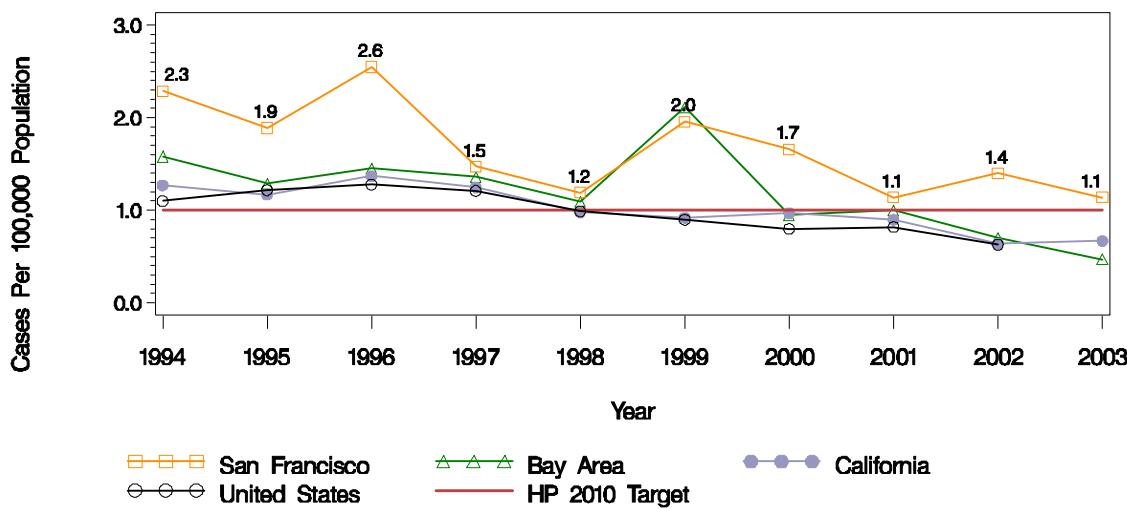


FIG. 18: Incidence Rates for Meningococcal Disease
San Francisco, Bay Area Counties, California and United States, 1994–2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.
2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHD to CDHS/CDC.
Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.

Healthy People 2010 Target 1.0 case per 100,000 population.



Pertussis

The incidence of reported pertussis in San Francisco increased over time. On average, fewer than 5 cases were reported annually during 1986-1993 in San Francisco. During the 3-year period 1998-2000, the annual average reached 31 cases. Incidence among children > 5 years of age and adults also increased from 1994 to 2003. From 1986-1993, 84% of cases were ≤ 5 years of age (with 65% < 1 year of age), whereas approximately half of the cases reported during 1994-2003 were ≤ 5 years of age. The sex distribution of cases also changed over this time period. From 1986-1993 cases were evenly divided by sex. However, from 1994-2003, 63% of all San Francisco cases were female. Secondary cases of pertussis were frequently identified through investigations of contacts to an initially confirmed case. Of the 172 cases reported during 1994-2003, 44% had an epidemiologically confirmed exposure to a case of pertussis.

FIG. 20: Frequency and Incidence Rate for Pertussis
San Francisco, 1986 – 2003

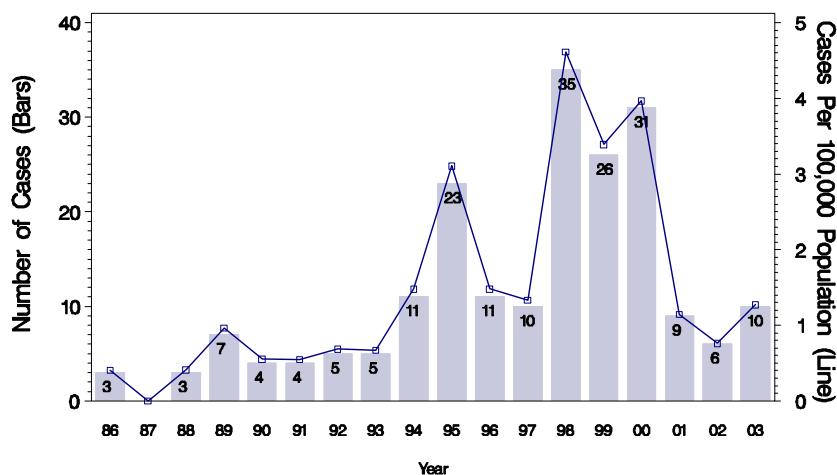
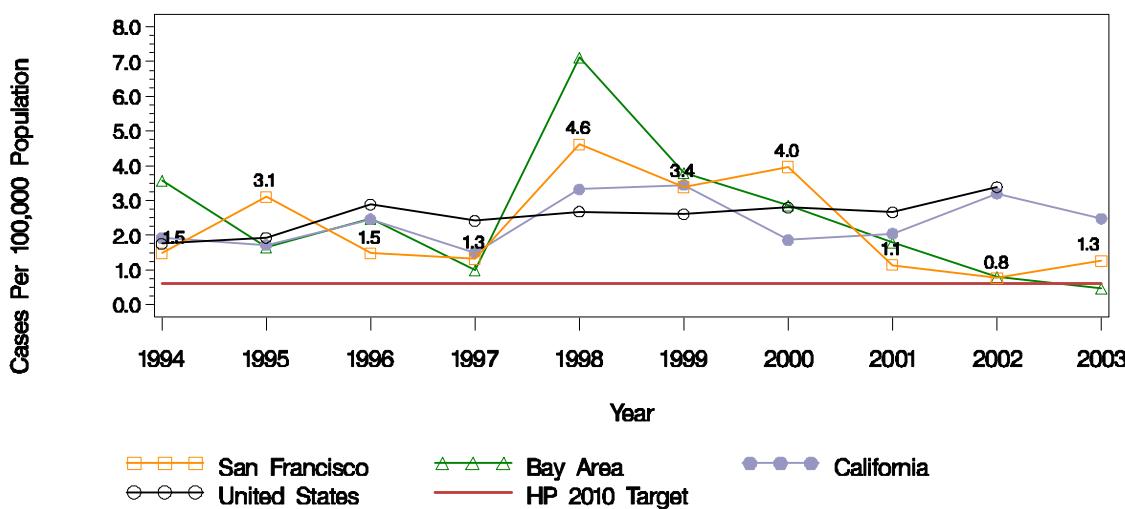


FIG. 21: Incidence Rates for Pertussis
San Francisco, Bay Area Counties, California and United States, 1994 – 2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.
2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHD to CDHS/CDC.

Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.

Healthy People 2010 Target 2,000 new cases nationally; 5 new cases in San Francisco (based on population).



Salmonellosis

Incidence rates for salmonellosis in San Francisco were significantly greater than those for the Bay Area, California and the United States during 1994-2003. San Francisco incidence was generally 20-30% greater than the Bay Area and 40-70% greater than California. There was an approximately 35% reduction in the city rate between 1994 and 2003, which was similar to the Bay Area and California trends. Among males, the average annual rate declined about 40% from 1986-1989 to 19 cases per 100,000 population during 2001-2003, while among females it remained relatively unchanged around 18 cases per 100,000 population throughout 1986-2003. This decrease among males essentially eliminated the disparate disease burden between the sexes historically observed in San Francisco. Rates of salmonellosis among infants and children less than 5 years of age were very high in both San Francisco and California⁷⁻⁸. The average annual rate for infants < 1 year of age during 2001-2003 was 150 cases per 100,000 population, and it was 84 cases per 100,000 population for children 1-4 years of age. From 1994-2003, most of the cases in infants < 1 year of age (71%) and in children 1-4 years of age (53%) were Asian or Pacific Islander. Approximately half of adult cases were white. Seventeen percent of cases in 2001-2003 reported foreign travel during their incubation period and may have acquired their infection while in another country.

FIG. 22: Frequency and Incidence Rate for Salmonellosis
San Francisco, 1986 – 2003

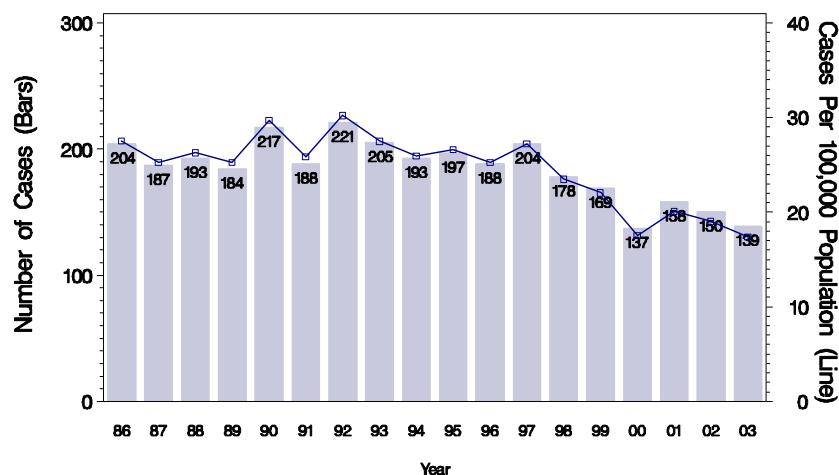
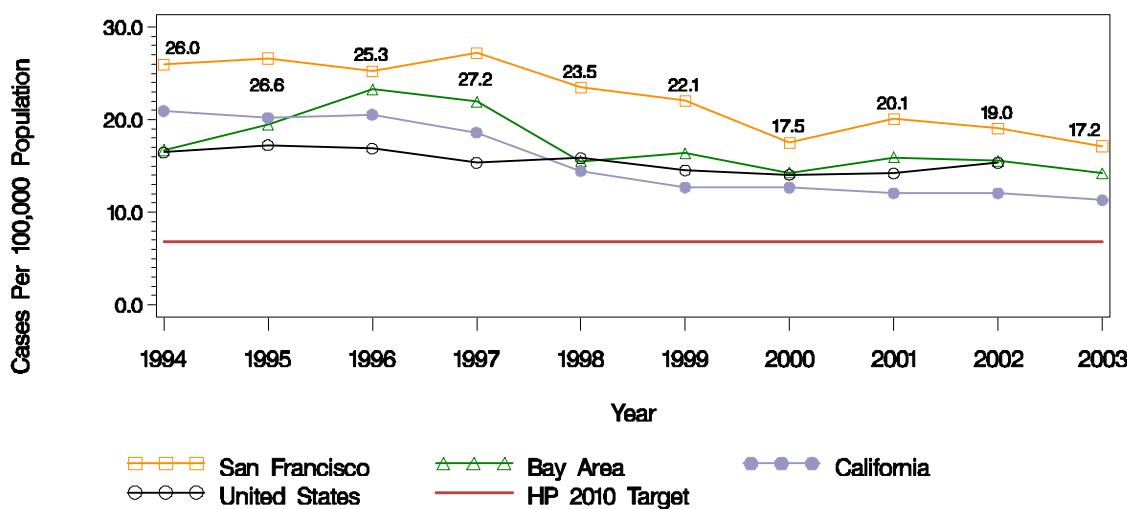


FIG. 23: Incidence Rates for Salmonellosis
San Francisco, Bay Area Counties, California and United States, 1994 – 2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.
2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHD to CDHS/CDC.

Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.

Healthy People 2010 Target 6.8 cases per 100,000 population.



Shigellosis

Before 2000, the greatest burden of shigellosis was among Hispanic children 1-4 years of age, and white men. The burden of disease was significantly higher in males, particularly those 25-44 years of age. In fact, the female rate showed a gradual 50% decline from 21 cases per 100,000 in 1986 to 10 cases per 100,000 in 2003. The San Francisco rate was significantly greater than the rates for the Bay Area, California and the United States, each of which displayed nearly identical values and little annual fluctuation between 1994 and 2003. Two distinct community-wide outbreaks in San Francisco were observed within the period 1994-2003. The first one peaked in 1995, when the rate for children ages 1-4 years was 115 cases per 100,000 population. Hispanic children accounted for 88% of the cases in this age group. The second outbreak of similar magnitude peaked in 2000, when non-Hispanic whites were predominantly affected (71 cases per 100,000 population). This outbreak disproportionately affected sexually active MSM¹⁸.

FIG. 24: Frequency and Incidence Rate for Shigellosis
San Francisco, 1986 – 2003

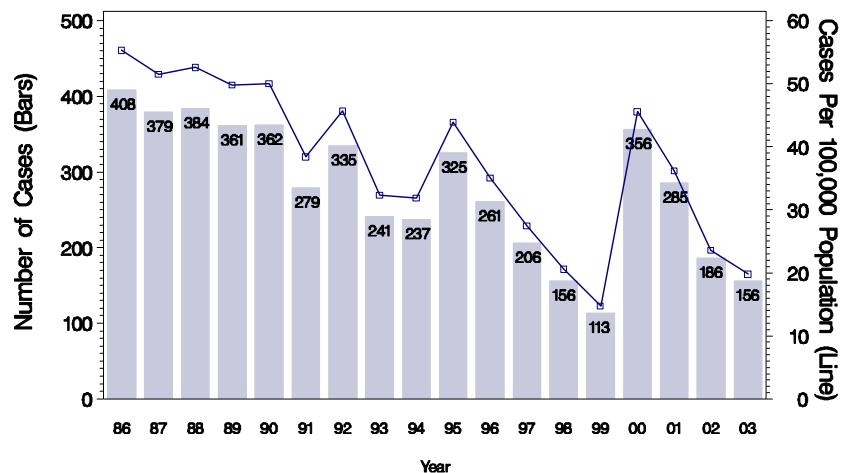
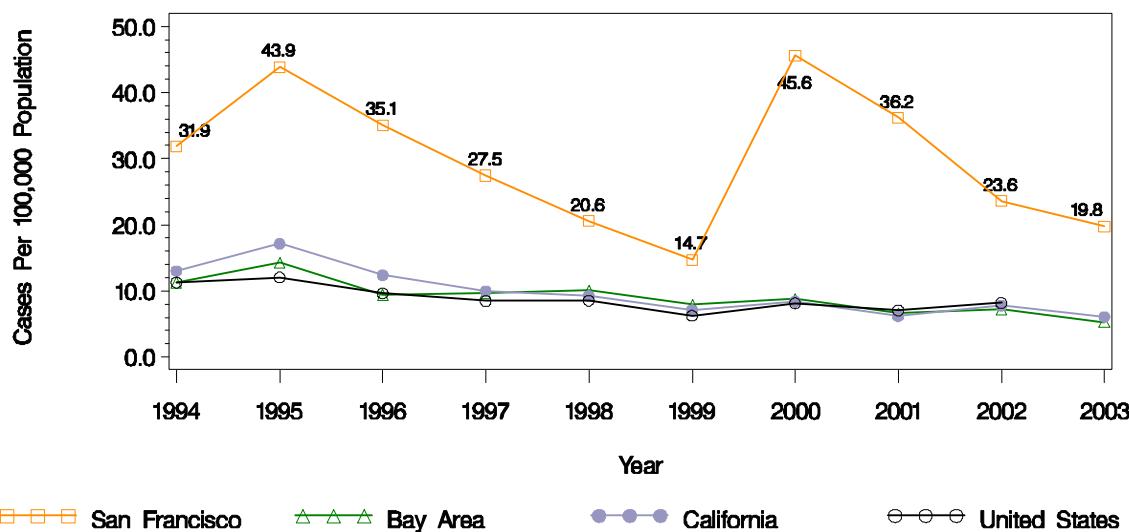


FIG. 25: Incidence Rates for Shigellosis
San Francisco, Bay Area Counties, California and United States, 1994 – 2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHD to CDHS/CDC.

Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.



West Nile Disease

In 2004, there were 830 human West Nile virus infections reported from 23 counties in California. In the Bay Area, a single human case was reported from Santa Clara County. No human cases were identified in San Francisco. Evidence of West Nile virus infection in birds, however, was identified statewide and in several Bay Area counties, including San Francisco. Along with detection of infected mosquitoes, horses and sentinel chickens in several areas of the state, these observations indicate the establishment of the virus in animal and bird populations. Clinicians should be aware of the clinical characteristics of West Nile disease with the anticipation of additional human cases in Northern California in 2005. For the most current information regarding the epidemiology of and human testing for West Nile virus infections, including links to useful state and federal government web sites, visit www.dph.sf.ca.us/CDControl.

Diseases with Potential for Use in Bioterrorism

Several diseases caused by biological agents with the potential for terrorist use¹⁹ occur naturally in California. These diseases, in decreasing order of frequency, include botulism, brucellosis, tularemia and plague. Anthrax has infected livestock in California; thus, this disease could also be contracted naturally. In San Francisco, between 1994 - 2003, these naturally occurring diseases were rare. There were 6 cases of botulism (all wound botulism), 2 cases of brucellosis, and 1 case of tularemia. Because public health plays an important role in controlling these life-threatening and potentially bioterrorism related diseases, a single case or suspect case should prompt clinicians to immediately notify the local health department for further investigation. In San Francisco, notify the Communicable Disease Control Unit at (415) 554-2830 (24 hours a day, 7 days a week). For the most current information on bioterrorism agents and general bioterrorism preparedness, see www.bt.cdc.gov.

**TABLE 1: Incidence for Diseases with Potential Use for Bioterrorism,
San Francisco and California, 1994-2003**

Disease	San Francisco Cumulative Freq	California Cumulative Freq	San Francisco Annual Average	California Annual Average
Anthrax	0	0	0	0
Botulism (Foodborne)	0	30	0	3
Botulism (Infant)	0	283	0	28
Botulism (Wound)	6	214	< 1	21
Brucellosis	2	275	< 1	28
Plague	0	8	0	< 1
Smallpox	0	0	0	0
Tularemia	1	21	< 1	2
Viral Hemorrhagic Fever	0	0	0	0

Annual average incidence rounded to nearest integer.

All CDC Category A bioterrorism agents and brucellosis (Category B).

Viral hemorrhagic fevers include diseases caused by filoviruses and arenaviruses.

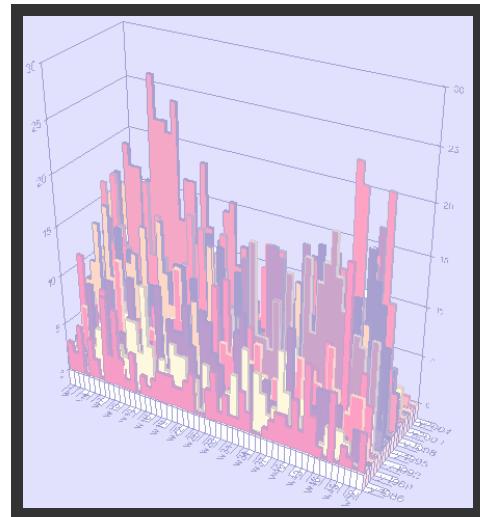
Viral hemorrhagic fevers became notifiable in California in 1996 and smallpox returned to list in late 2001.

Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control.



II. Results:

Trend Analysis for 9 Additional Diseases



Additionally Selected Diseases: *Coccidioidomycosis*

FIG. 26: Frequency and Incidence Rate for Coccidioidomycosis
San Francisco, 1986–2003

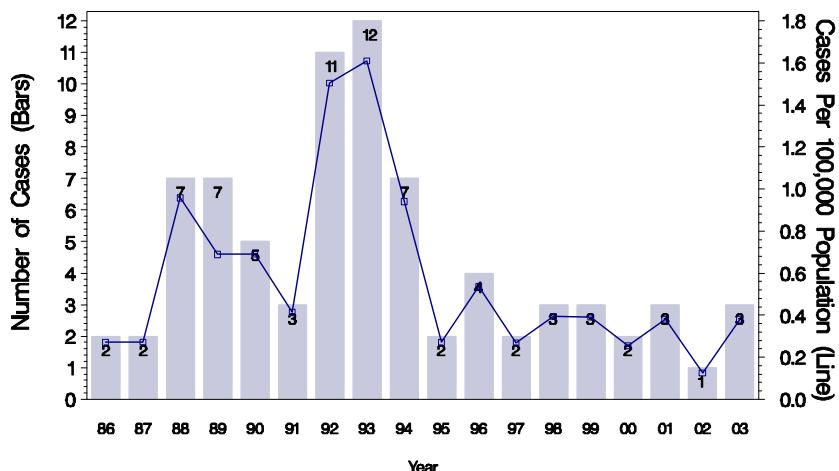
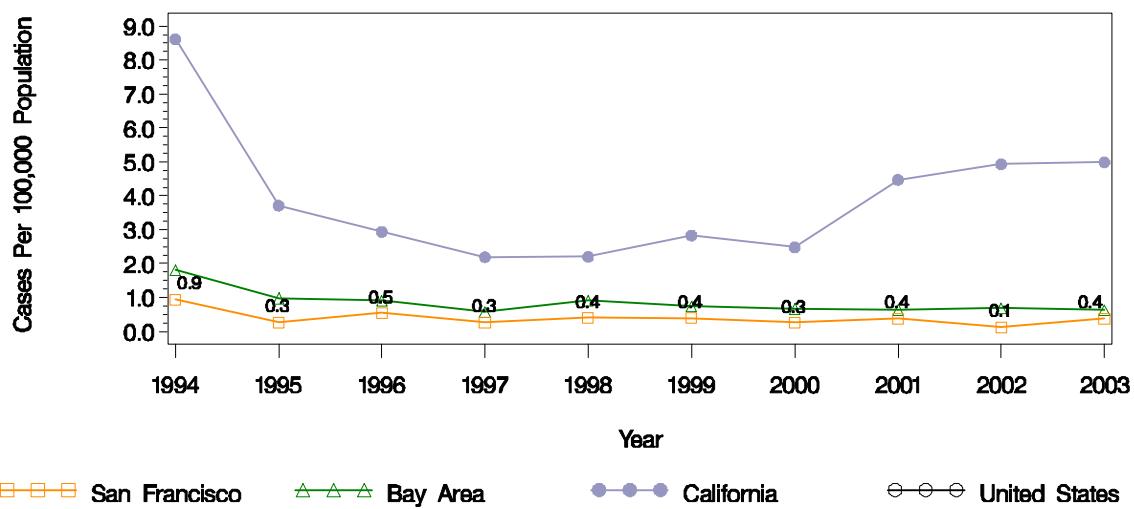


FIG. 27: Incidence Rates for Coccidioidomycosis
San Francisco, Bay Area Counties, California and United States, 1994–2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.

Note: Coccidioidomycosis became nationally notifiable in 2001.



Additionally Selected Diseases: *Legionellosis*

FIG. 28: Frequency and Incidence Rate for Legionellosis
San Francisco, 1986–2003

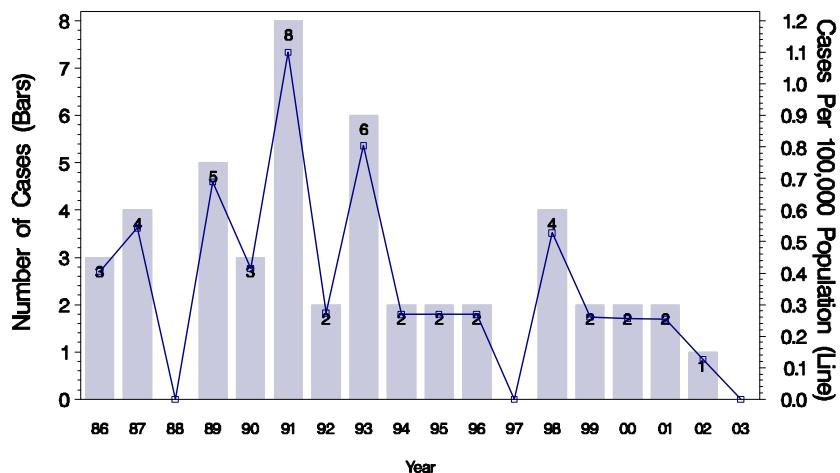
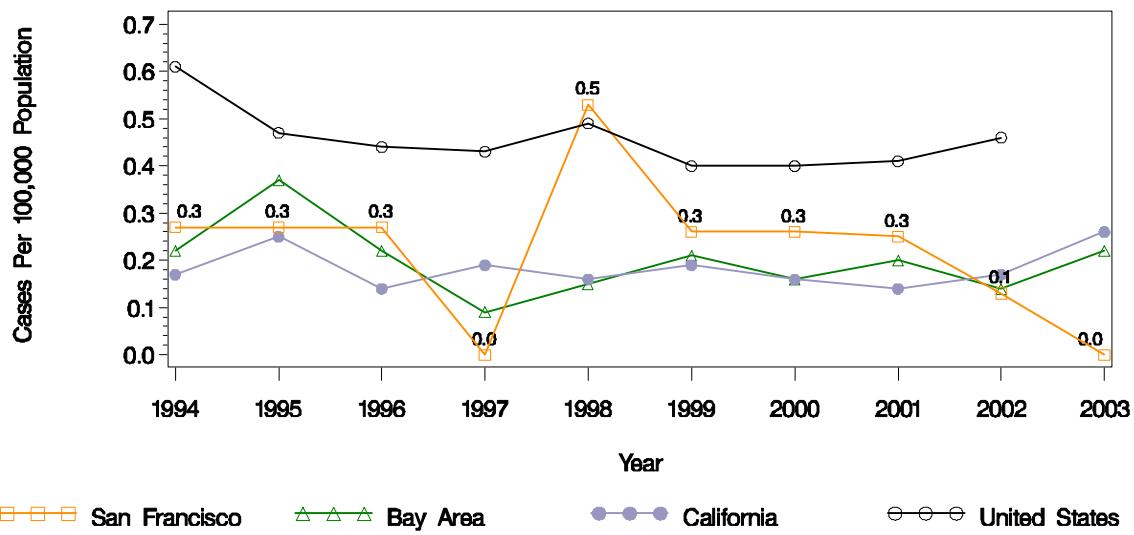


FIG. 29: Incidence Rates for Legionellosis
San Francisco, Bay Area Counties, California and United States, 1994–2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHD to CDHS/CDC.

Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.



Additionally Selected Diseases: *Listeriosis*

FIG. 30: Frequency and Incidence Rate for Listeriosis
San Francisco, 1986–2003

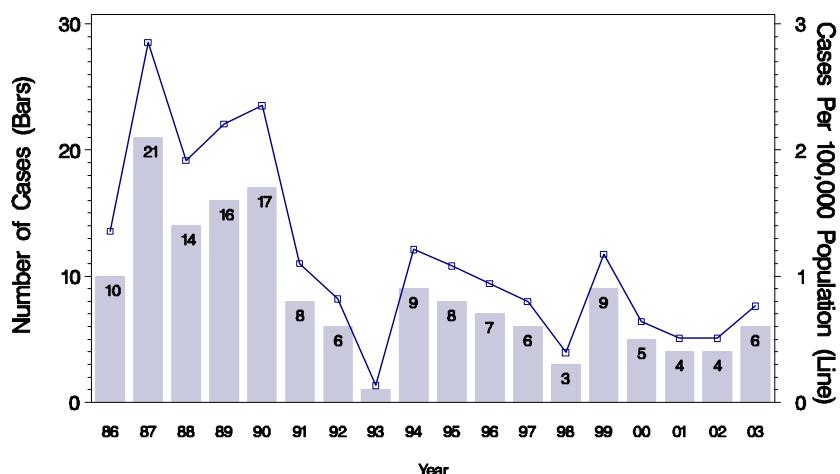
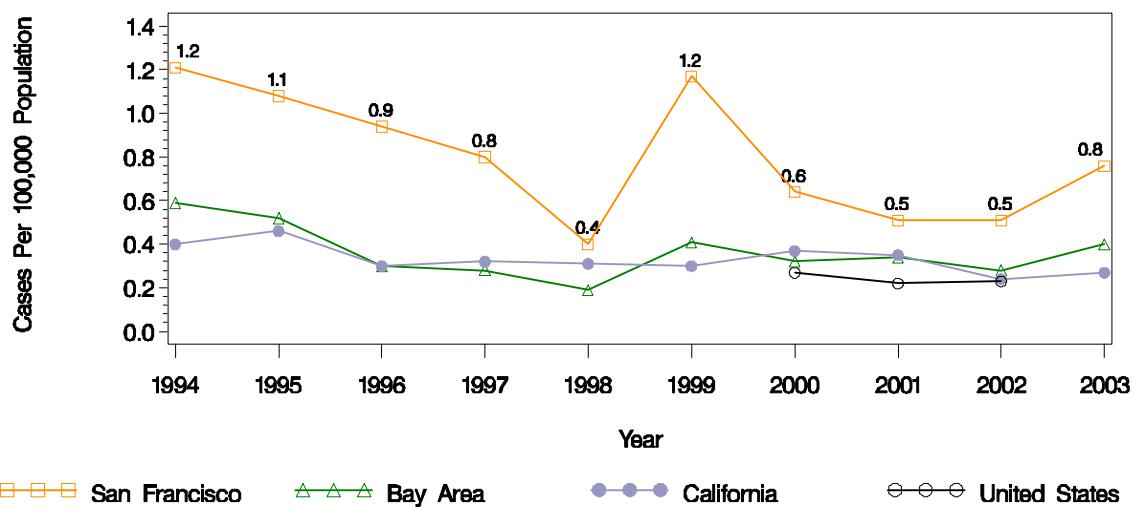


FIG. 31: Incidence Rates for Listeriosis
San Francisco, Bay Area Counties, California and United States, 1994–2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.

Note: Listeriosis became nationally notifiable in 2000.



Additionally Selected Diseases: *Lyme Disease*

FIG. 32: Frequency and Incidence Rate for Lyme Disease
San Francisco, 1986–2003

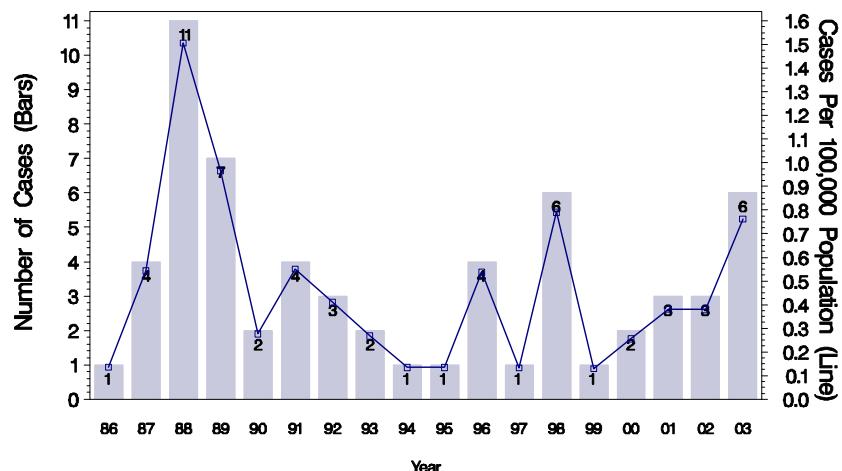
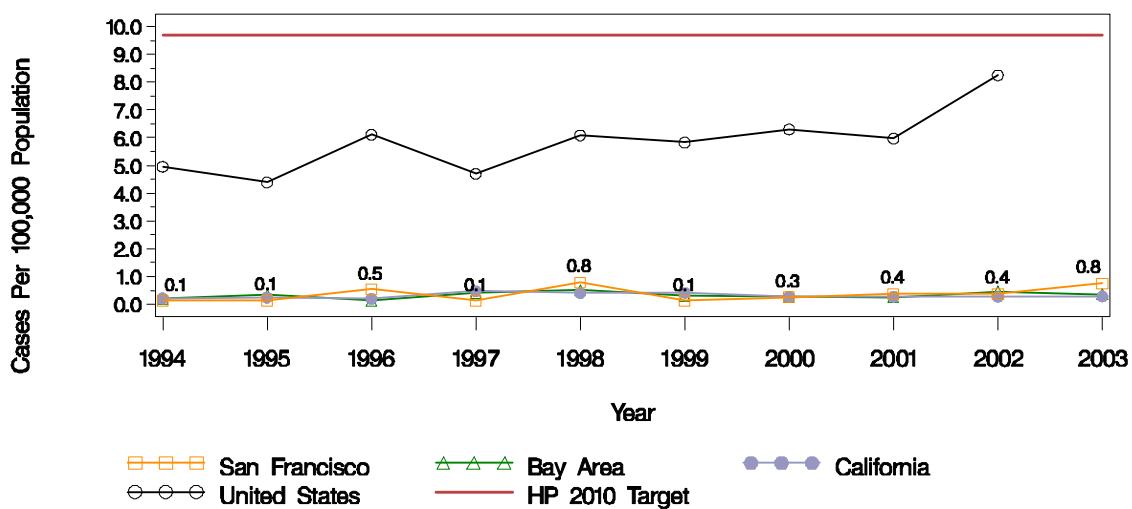


FIG. 33: Incidence Rates for Lyme Disease
San Francisco, Bay Area Counties, California and United States, 1994–2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.
2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.
Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.
Healthy People 2010 Target 9.7 cases per 100,000 population in endemic areas.



Additionally Selected Diseases: *Malaria*

FIG. 34: Frequency and Incidence Rate for Malaria
San Francisco, 1986–2003

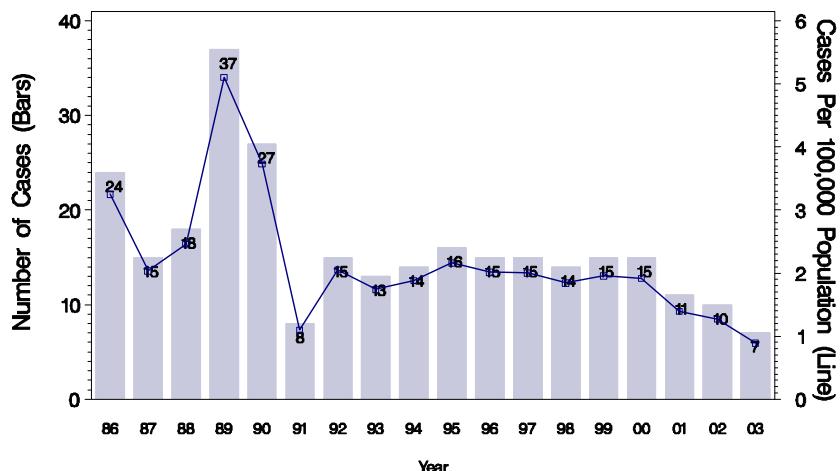
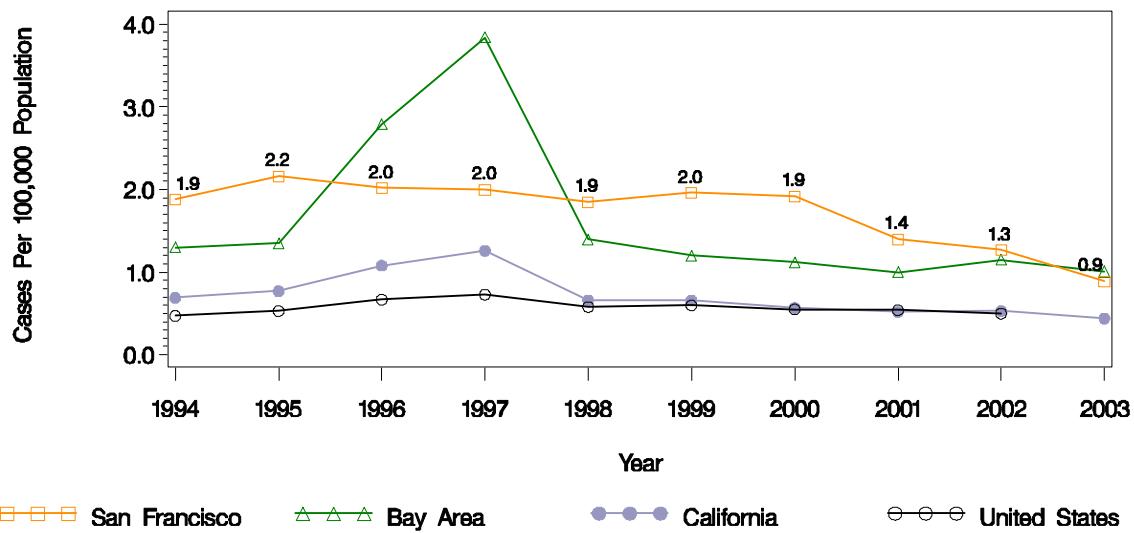


FIG. 35: Incidence Rates for Malaria
San Francisco, Bay Area Counties, California and United States, 1994–2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHD to CDHS/CDC.

Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.



Additionally Selected Diseases: Mumps

FIG. 36: Frequency and Incidence Rate for Mumps
San Francisco, 1986–2003

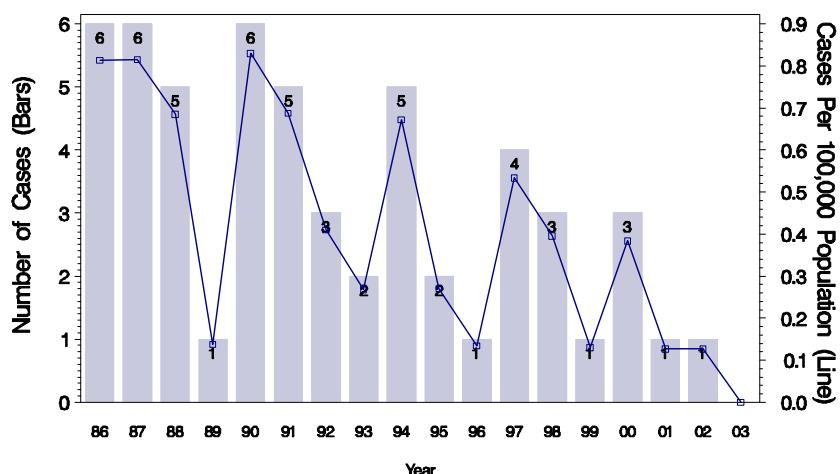
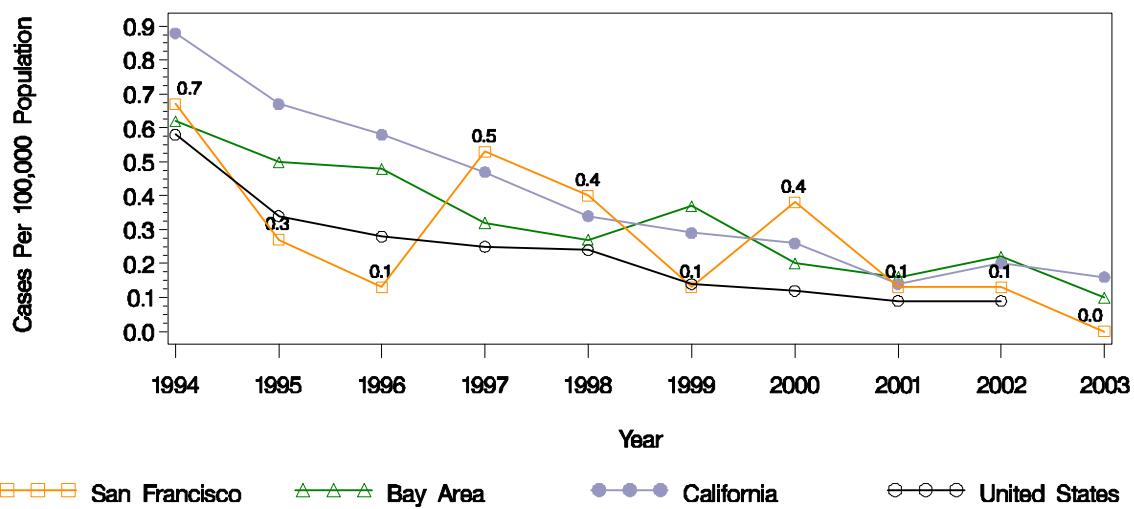


FIG. 37: Incidence Rates for Mumps
San Francisco, Bay Area Counties, California and United States, 1994–2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.

Healthy People 2010 Target: 0 cases.



Additionally Selected Diseases: Acute Typhoid Fever

FIG. 38: Frequency and Incidence Rate for Acute Typhoid Fever
San Francisco, 1986–2003

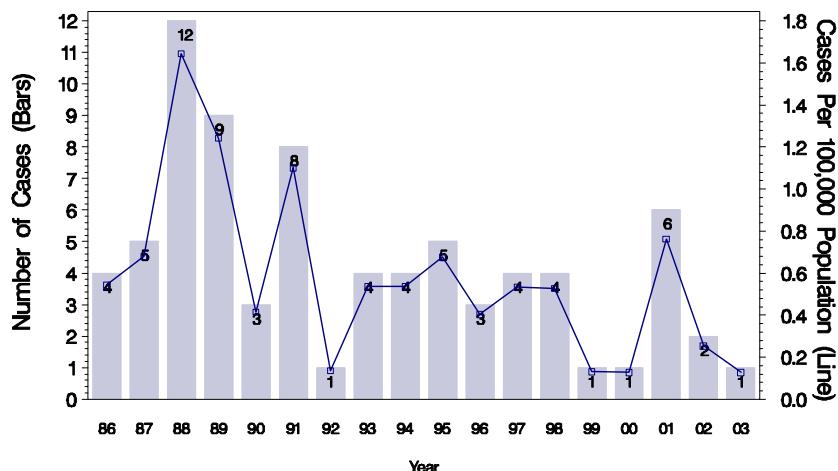
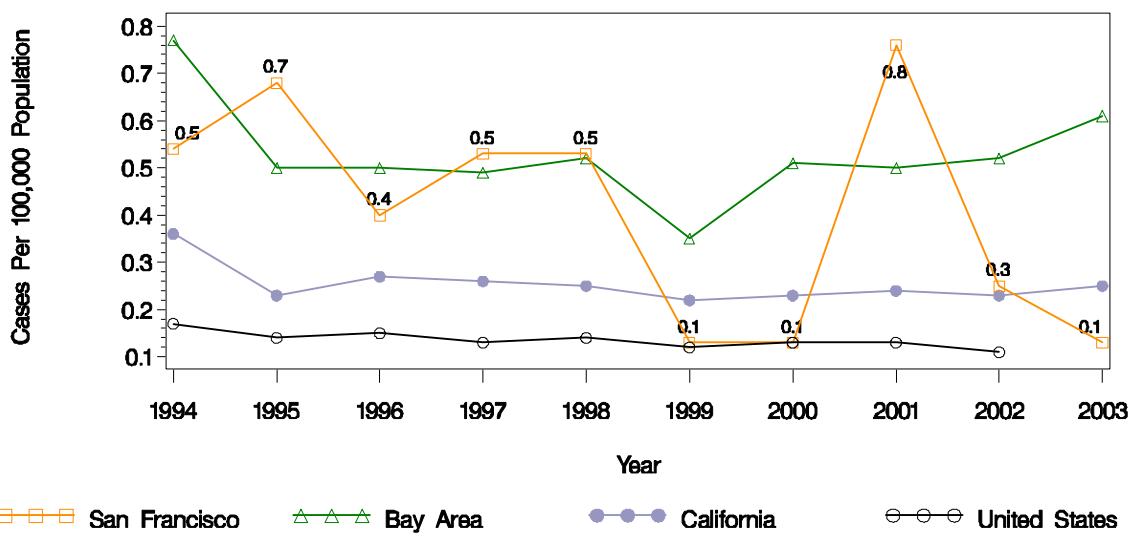


FIG. 39: Incidence Rates for Acute Typhoid Fever
San Francisco, Bay Area Counties, California and United States, 1994–2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHD to CDHS/CDC.

Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.



Additionally Selected Diseases: *Vibriosis*

FIG. 40: Frequency and Incidence Rate for Vibriosis
San Francisco, 1989–2003

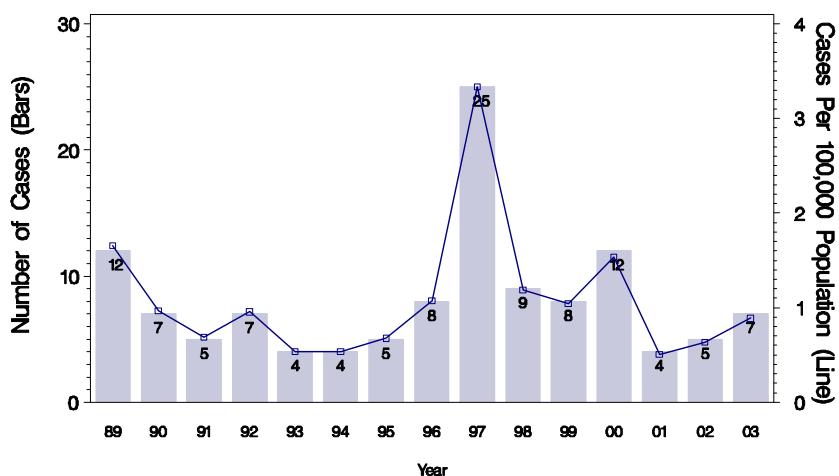
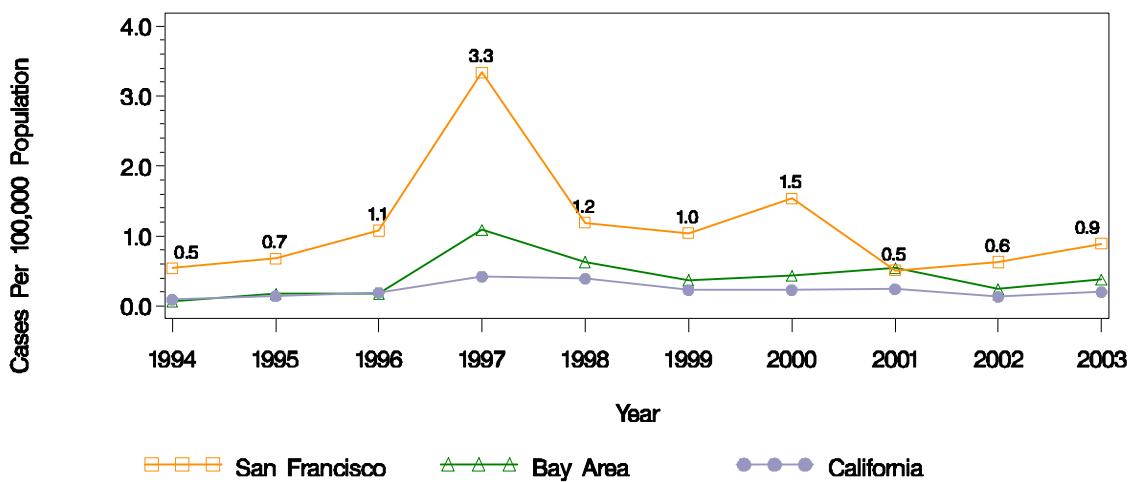


FIG. 41: Incidence Rates for Vibriosis
San Francisco, Bay Area Counties, and California, 1994–2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.
2003 data for the United States were not available.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHD to CDHS/CDC.

Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.

Vibriosis caused by some *Vibrio cholerae* serogroups (non-O1, non-O139) & other *Vibrio* spp. (e.g. *V. vulnificus*, *V. parahaemolyticus*).

Note: Vibriosis is not nationally notifiable and became notifiable in California in 1989.



Additionally Selected Diseases: *Viral Meningitis*

FIG. 42: Frequency and Incidence Rate for Viral Meningitis
San Francisco, 1986–2003

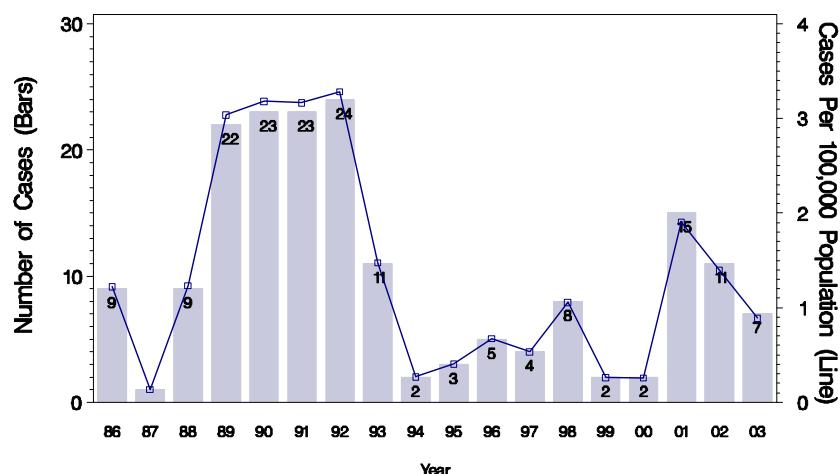
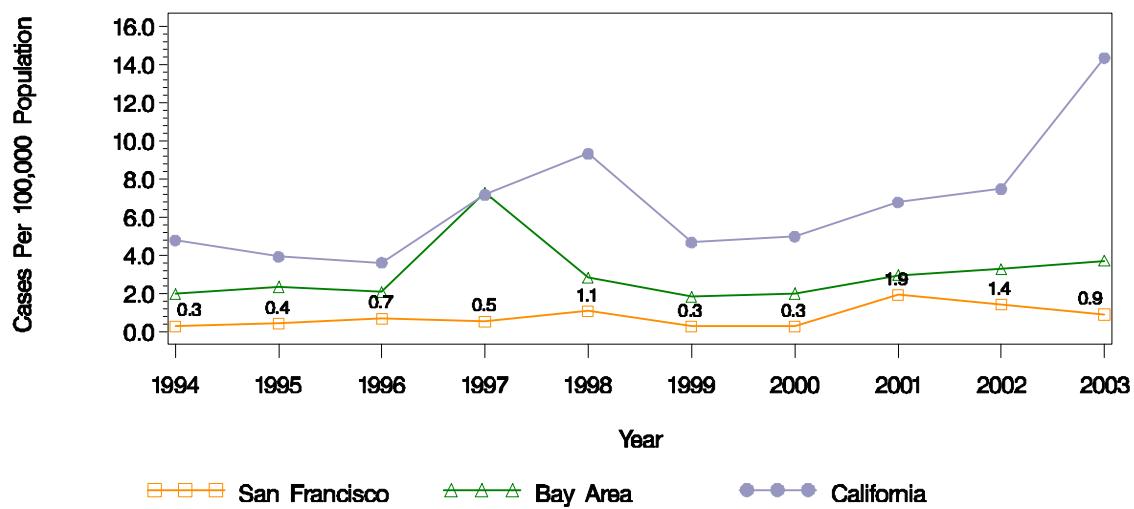


FIG. 43: Incidence Rates for Viral Meningitis
San Francisco, Bay Area Counties, and California, 1994–2003



Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

2003 data for the United States were not available.

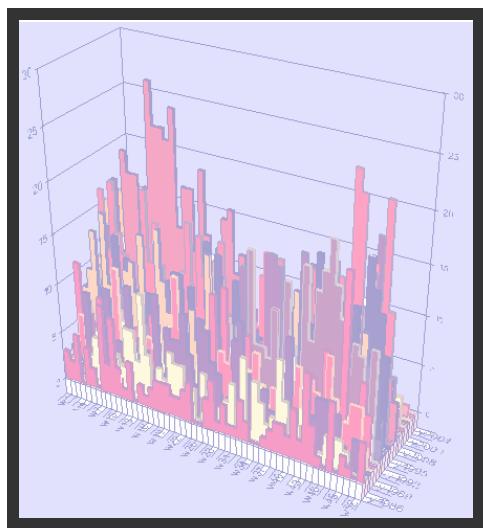
San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH Communicable Disease Control Unit, CDHS Division of Communicable Disease Control and CDC.

Note: Viral Meningitis is not nationally notifiable.



III. Appendices



Appendix A: Bibliography of References

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APPENDIX B: Frequency of Reportable Diseases in San Francisco, 1986-2003

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Disease	Year																	
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Amebiasis	496	361	331	285	323	314	188	262	252	284	172	290	188	174	161	146	150	108
Anisakiasis	*	*	*	*	*	*	*	*	*	*	0	2	0	0	0	0	0	0
Anthrax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Babesiosis	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0
Botulism (Foodborne)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Botulism (Infant)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Botulism (Unspecified)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Botulism (Wound)	0	0	0	0	0	0	0	2	0	1	1	0	1	1	0	1	0	1
Brucellosis	0	0	0	0	0	0	1	2	0	0	0	0	0	1	0	1	0	0
Campylobacteriosis	574	364	458	587	782	778	704	617	620	563	610	564	428	349	443	414	376	333
Cholera (1)	0	0	0	0	0	0	2	1	1	0	0	0	1	0	0	0	0	1
Ciguatera Fish Poisoning	*	*	*	*	*	*	*	*	*	*	0	0	2	0	0	0	0	0
Coccidioidomycosis	2	2	7	5	5	3	11	12	7	2	4	2	3	3	2	3	1	3
Colorado Tick Fever	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0
Cryptosporidiosis	*	*	*	*	*	*	*	*	*	*	83	62	59	71	43	36	24	14
Cyclosporiasis	0	0	0	0	0	0	0	0	0	0	0	4	0	2	5	0	2	0
Cysticercosis	1	1	4	7	1	0	2	4	3	3	2	4	0	3	2	3	1	1
Dengue	0	4	0	2	4	0	3	0	0	2	2	0	5	0	0	0	1	0
Diphtheria	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Domoic Acid Poisoning	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0
E. coli O157:H7 Infection	*	*	*	*	*	*	*	*	*	*	5	2	12	5	6	8	16	27
Echinococcosis	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0
Ehrlichioses	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0
Encephalitis (Arboviral)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Encephalitis (Bacterial)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Encephalitis (Fungal)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Encephalitis (Other Viral)	0	0	0	1	0	3	1	1	1	1	0	0	0	1	0	2	1	0
Encephalitis (Parasitic)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Encephalitis (Unspecified)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	10	3
Giardiasis	313	267	335	332	361	316	247	350	408	410	400	372	364	349	380	354	311	255
H. influenzae (Invasive) (2)	*	*	*	*	*	*	*	*	*	*	9	13	4	4	0	2	1	1
Hantavirus Infection	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0
Hemolytic Uremic Syndrome	*	*	*	*	*	*	*	*	*	*	0	0	0	0	1	0	2	0
Hepatitis A	126	151	241	244	256	405	363	220	297	455	580	583	295	119	59	79	38	15
Hepatitis B (Acute)	139	155	96	79	152	85	70	77	72	52	59	58	66	51	58	64	34	44
Hepatitis C (Acute)	*	*	*	*	*	*	*	*	*	*	0	2	0	2	1	5	2	2
Hepatitis Delta	*	*	*	*	1	1	1	1	1	0	1	0	0	0	0	0	0	0
Kawasaki Syndrome	*	*	*	*	0	1	2	0	1	0	0	0	1	0	6	0	0	0
Legionellosis	*	*	*	*	3	8	2	6	2	2	2	0	4	2	2	2	1	0
Leprosy	11	9	1	4	7	1	6	1	2	0	0	0	1	0	2	0	0	0
Leptospirosis	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
Listeriosis	*	*	*	*	17	8	6	1	9	8	7	6	3	9	5	4	4	6
Lyme Disease	*	*	*	*	2	4	3	2	1	1	4	1	6	1	2	3	3	6
Lymphocytic Choriomeningitis	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0
Malaria	24	15	18	37	27	8	15	13	14	16	15	15	14	15	15	11	10	7
Measles	2	12	3	9	37	3	1	4	2	2	2	1	1	0	0	11	2	0
Meningitis (Bacterial) (3)	0	2	1	8	5	8	8	10	4	3	5	10	8	11	7	6	10	4

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

*=Not legally notifiable in California per CCR Title 17. Conjunctivitis of the newborn, Reye Syndrome, schistosomal dermatitis, varicella deaths and outbreaks of any disease are notifiable conditions but not included in this table. Cyclosporiasis is included as an unusual disease but is not named as notifiable.

(1) Cholera is caused by *Vibrio cholerae* serogroup O1 or O139. Vibriosis is caused by other *V. cholerae* serogroups (non-O1, non-O139) and other *Vibrio* spp., including *V. vulnificus* and *V. parahaemolyticus*.

(2) Beginning in 1998, invasive *Haemophilus influenzae* in patients 30 yrs of age or older was no longer reportable in California.

(3) Bacterial meningitis excludes meningitis caused by *Neisseria meningitidis*, which is presented separately in this table as Meningococcal Infections.

(4) Meningococcal Infection is caused by *Neisseria meningitidis* (all serotypes) and includes meningococcal meningitis and meningococcemia.

(5) Smallpox was declared eradicated globally by the World Health Organization in 1979. It was once again made reportable in California in late 2001 for bioterrorism surveillance.

(6) Streptococcal Infection of foodhandlers and dairy workers only.

(7) Viral Hemorrhagic Fever includes hemorrhagic diseases caused by filoviruses and arenaviruses.

APPENDIX B: Frequency of Reportable Diseases in San Francisco, 1986-2003

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Disease	Year																	
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Meningitis (Fungal)	0	0	0	2	6	5	70	80	57	19	16	2	2	2	10	6	9	3
Meningitis (Parasitic)	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Meningitis (Unspecified)	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningitis (Viral)	9	1	9	22	23	23	24	11	2	3	5	4	8	2	2	15	11	7
Meningococcal Infection (4)	9	4	3	13	11	4	8	5	17	14	19	11	9	15	13	9	11	9
Mumps	6	6	5	1	6	5	3	2	5	2	1	4	3	1	3	1	1	0
Paralytic Shellfish Poisoning	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0
Pertussis	3	0	3	7	4	4	5	5	11	23	11	10	35	26	31	9	6	10
Plague	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Psittacosis	3	1	1	0	1	1	0	0	1	0	0	1	1	0	0	0	0	0
Q Fever	0	6	12	8	0	0	0	0	0	0	4	0	0	0	0	0	0	1
Rabies (Human)	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Relapsing Fever	0	0	0	0	0	0	1	0	0	0	0	1	0	0	2	1	0	0
Rheumatic Fever (Acute)	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Rocky Mountain Spotted Fever	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	4	3	0	1	1	1	2	0	2	2	0	0	0	0	0	0	0	1
Rubella (Congenital)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salmonellosis	203	186	192	183	215	188	221	205	193	197	188	204	178	169	137	158	150	137
Scombroid Fish Poisoning	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	1	1	0
Shigellosis	408	379	384	361	362	279	334	241	237	325	261	206	156	113	356	285	186	156
Smallpox (5)	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0
Streptococcal Infection (6)	*	*	*	*	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Tetanus	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Toxic Shock Syndrome	*	*	*	*	1	2	2	0	1	1	0	0	0	0	0	1	3	1
Toxoplasmosis	*	*	*	*	*	*	*	*	*	*	0	0	0	1	0	0	0	0
Trichinosis	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Tularemia	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Typhoid Carrier	1	2	2	1	2	2	1	2	0	1	0	1	0	0	0	0	0	0
Typhoid Fever (Acute)	4	5	12	9	3	8	1	4	4	5	3	4	4	1	1	6	2	1
Typhus Fever	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Vibriosis (1)	*	*	*	*	7	5	7	4	4	5	8	25	9	8	12	4	5	7
Viral Hemorrhagic Fever (7)	*	*	*	*	*	*	*	*	*	*	0	0	0	0	0	0	0	0
Yellow Fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yersiniosis	*	*	*	*	*	*	*	*	*	*	2	0	11	2	3	4	1	4

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

*=Not legally notifiable in California per CCR Title 17. Conjunctivitis of the newborn, Reye Syndrome, schistosomal dermatitis, varicella deaths and outbreaks of any disease are notifiable conditions but not included in this table. Cyclosporiasis is included as an unusual disease but is not named as notifiable.

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(2) Beginning in 1998, invasive *Haemophilus influenzae* in patients 30 yrs of age or older was no longer reportable in California.

(3) Bacterial meningitis excludes meningitis caused by *Neisseria meningitidis*, which is presented separately in this table as Meningococcal Infections.

(4) Meningococcal Infection is caused by *Neisseria meningitidis* (all serotypes) and includes meningococcal meningitis and meningococcemia.

(5) Smallpox was declared eradicated globally by the World Health Organization in 1979. It was once again made reportable in California in late 2001 for bioterrorism surveillance.

(6) Streptococcal Infection of foodhandlers and dairy workers only.

(7) Viral Hemorrhagic Fever includes hemorrhagic diseases caused by filoviruses and arenaviruses.

Year	Age	Amebiasis				Campylobacteriosis				Coccidioidomycosis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1986	<1 yr	1	10.6*	0.3	59.2	25	265.6	171.9	392.0	0	0.0*	0.0	31.8
	1-4 yrs	1	3.1*	0.1	17.1	46	141.5	103.6	188.7	0	0.0*	0.0	9.2
	5-14 yrs	15	23.0*	12.8	37.9	32	49.0	33.5	69.1	0	0.0*	0.0	4.6
	15-24 yrs	39	34.1	24.2	46.6	84	73.4	58.5	90.8	0	0.0*	0.0	2.6
	25-34 yrs	224	148.4	129.6	169.1	227	150.3	131.4	171.2	1	0.7*	0.0	3.7
	35-44 yrs	149	127.5	107.8	149.7	90	77.0	61.9	94.6	1	0.9*	0.0	4.8
	45-54 yrs	42	60.3	43.5	81.5	22	31.6	19.8	47.8	0	0.0*	0.0	4.3
	55-64 yrs	11	15.5*	7.7	27.7	16	22.6*	12.9	36.6	0	0.0*	0.0	4.2
	65+ yrs	14	13.0*	7.1	21.9	32	29.8	20.4	42.1	0	0.0*	0.0	2.8
	Total	496	67.3	61.5	73.4	574	77.8	71.6	84.5	2	0.3*	0.0	1.0
1987	<1 yr	0	0.0*	0.0	32.6	16	174.3*	99.7	283.1	0	0.0*	0.0	32.6
	1-4 yrs	4	12.4*	3.4	31.8	25	77.7	50.3	114.7	0	0.0*	0.0	9.3
	5-14 yrs	17	26.2*	15.3	42.0	15	23.1*	12.9	38.2	0	0.0*	0.0	4.6
	15-24 yrs	19	16.8*	10.1	26.2	52	45.9	34.3	60.2	0	0.0*	0.0	2.6
	25-34 yrs	125	82.8	68.9	98.7	143	94.8	79.9	111.6	0	0.0*	0.0	2.0
	35-44 yrs	127	105.4	87.9	125.4	68	56.4	43.8	71.5	1	0.8*	0.0	4.6
	45-54 yrs	30	42.9	28.9	61.2	18	25.7*	15.2	40.6	0	0.0*	0.0	4.3
	55-64 yrs	9	13.1*	6.0	24.9	12	17.5*	9.0	30.6	0	0.0*	0.0	4.4
	65+ yrs	30	28.2	19.0	40.3	15	14.1*	7.9	23.3	1	0.9*	0.0	5.2
	Total	361	49.1	44.1	54.4	364	49.5	44.5	54.8	2	0.3*	0.0	1.0
1988	<1 yr	0	0.0*	0.0	33.0	14	154.1*	84.2	258.5	0	0.0*	0.0	33.0
	1-4 yrs	7	22.5*	9.1	46.4	31	99.8	67.8	141.6	0	0.0*	0.0	9.6
	5-14 yrs	12	18.9*	9.8	33.0	18	28.3*	16.8	44.7	0	0.0*	0.0	4.7
	15-24 yrs	23	21.0	13.3	31.5	68	62.1	48.2	78.8	0	0.0*	0.0	2.7
	25-34 yrs	119	78.4	64.9	93.8	172	113.3	97.0	131.5	4	2.6*	0.7	6.7
	35-44 yrs	104	84.6	69.2	102.6	97	78.9	64.0	96.3	2	1.6*	0.2	5.9
	45-54 yrs	43	60.6	43.9	81.7	28	39.5	26.2	57.1	1	1.4*	0.0	7.9
	55-64 yrs	5	7.5*	2.4	17.6	13	19.6*	10.4	33.5	0	0.0*	0.0	4.5
	65+ yrs	18	17.2*	10.2	27.1	17	16.2*	9.4	25.9	0	0.0*	0.0	2.9
	Total	331	45.3	40.6	50.5	458	62.7	57.1	68.7	7	1.0*	0.4	2.0
1989	<1 yr	0	0.0*	0.0	33.9	28	316.7	210.4	457.7	0	0.0*	0.0	33.9
	1-4 yrs	4	13.5*	3.7	34.5	55	185.1	139.4	240.9	0	0.0*	0.0	10.1
	5-14 yrs	12	19.3*	10.0	33.7	42	67.5	48.6	91.2	0	0.0*	0.0	4.8
	15-24 yrs	11	10.5*	5.3	18.9	74	71.0	55.7	89.1	0	0.0*	0.0	2.9
	25-34 yrs	109	70.4	57.8	84.9	175	113.0	96.9	131.0	2	1.3*	0.2	4.7
	35-44 yrs	99	79.2	64.4	96.4	129	103.2	86.2	122.6	0	0.0*	0.0	2.4
	45-54 yrs	33	45.9	31.6	64.5	36	50.1	35.1	69.4	1	1.4*	0.0	7.8
	55-64 yrs	14	21.7*	11.9	36.4	21	32.6	20.2	49.8	0	0.0*	0.0	4.6
	65+ yrs	3	2.9*	0.6	8.5	27	26.1	17.2	38.0	2	1.9*	0.2	7.0
	Total	285	39.3	34.9	44.2	587	81.0	74.6	87.8	5	0.7*	0.2	1.6
1990	<1 yr	0	0.0*	0.0	35.4	30	354.7	239.3	506.3	0	0.0*	0.0	35.4
	1-4 yrs	1	3.5*	0.1	19.5	88	308.5	247.4	380.0	0	0.0*	0.0	10.5
	5-14 yrs	15	23.3*	13.1	38.5	58	90.2	68.5	116.6	0	0.0*	0.0	4.7
	15-24 yrs	17	16.5*	9.6	26.4	81	78.6	62.4	97.7	0	0.0*	0.0	2.9
	25-34 yrs	121	77.7	64.4	92.8	236	151.5	132.8	172.1	1	0.6*	0.0	3.6
	35-44 yrs	118	92.6	76.7	110.9	165	129.5	110.5	150.9	2	1.6*	0.2	5.7
	45-54 yrs	38	51.6	36.5	70.8	58	78.7	59.8	101.8	0	0.0*	0.0	4.1
	55-64 yrs	7	11.2*	4.5	23.2	32	51.4	35.2	72.6	2	3.2*	0.4	11.6
	65+ yrs	6	6.0*	2.2	13.1	34	34.1	23.6	47.6	0	0.0*	0.0	3.0
	Total	323	44.7	39.9	49.8	782	108.1	100.7	116.0	5	0.7*	0.2	1.6

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

APPENDIX C1: Frequency and Unadjusted Rates for 21 Selected Diseases by Age, San Francisco, 1986-2003

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Year	Age	Amebiasis				Campylobacteriosis				Coccidioidomycosis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1991	<1 yr	0	0.0*	0.0	31.5	29	304.7	204.0	437.5	0	0.0*	0.0	31.5
	1-4 yrs	2	6.8*	0.8	24.4	103	347.7	283.8	421.7	0	0.0*	0.0	10.1
	5-14 yrs	7	10.7*	4.3	22.0	67	102.3	79.2	129.9	0	0.0*	0.0	4.6
	15-24 yrs	16	15.5*	8.8	25.1	90	87.0	70.0	107.0	0	0.0*	0.0	2.9
	25-34 yrs	106	69.5	56.9	84.1	229	150.2	131.4	170.9	2	1.3*	0.2	4.7
	35-44 yrs	129	99.6	83.2	118.4	135	104.3	87.4	123.4	0	0.0*	0.0	2.3
	45-54 yrs	40	52.9	37.8	72.0	52	68.8	51.4	90.2	0	0.0*	0.0	4.0
	55-64 yrs	7	11.5*	4.6	23.7	27	44.3	29.2	64.5	1	1.6*	0.0	9.2
	65+ yrs	7	7.0*	2.8	14.4	46	46.0	33.7	61.3	0	0.0*	0.0	3.0
	Total	314	43.2	38.6	48.3	778	107.1	99.7	114.9	3	0.4*	0.1	1.2
1992	<1 yr	1	5.2*	0.1	28.9	27	139.8	92.1	203.4	0	0.0*	0.0	15.5
	1-4 yrs	1	3.3*	0.1	18.3	87	285.6	228.7	352.2	0	0.0*	0.0	9.8
	5-14 yrs	4	6.2*	1.7	15.9	57	88.5	67.0	114.6	0	0.0*	0.0	4.6
	15-24 yrs	7	6.5*	2.6	13.5	77	72.0	56.9	90.0	2	1.9*	0.2	6.8
	25-34 yrs	72	48.4	37.9	60.9	200	134.4	116.4	154.4	5	3.4*	1.1	7.8
	35-44 yrs	70	54.8	42.7	69.2	141	110.4	92.9	130.2	2	1.6*	0.2	5.7
	45-54 yrs	21	26.9	16.7	41.1	47	60.2	44.2	80.1	1	1.3*	0.0	7.1
	55-64 yrs	10	16.9*	8.1	31.2	24	40.7	26.1	60.5	0	0.0*	0.0	5.1
	65+ yrs	2	2.1*	0.3	7.5	44	45.7	33.2	61.3	1	1.0*	0.0	5.8
	Total	188	25.7	22.2	29.7	704	96.3	89.3	103.7	11	1.5*	0.8	2.7
1993	<1 yr	0	0.0*	0.0	33.2	27	299.5	197.4	435.8	0	0.0*	0.0	33.2
	1-4 yrs	0	0.0*	0.0	7.3	73	179.1	140.4	225.2	0	0.0*	0.0	7.3
	5-14 yrs	2	3.1*	0.4	11.1	61	93.3	71.4	119.9	0	0.0*	0.0	4.6
	15-24 yrs	19	16.9*	10.2	26.4	43	38.3	27.7	51.5	3	2.7*	0.6	7.8
	25-34 yrs	87	58.5	46.8	72.1	166	111.5	95.2	129.9	0	0.0*	0.0	2.0
	35-44 yrs	106	82.1	67.2	99.2	116	89.8	74.2	107.7	4	3.1*	0.8	7.9
	45-54 yrs	36	43.6	30.6	60.4	58	70.3	53.4	90.9	1	1.2*	0.0	6.8
	55-64 yrs	6	10.1*	3.7	22.0	31	52.3	35.5	74.2	2	3.4*	0.4	12.2
	65+ yrs	6	6.1*	2.2	13.3	42	42.9	30.9	58.0	2	2.0*	0.2	7.4
	Total	262	35.2	31.0	39.7	617	82.8	76.4	89.6	12	1.6*	0.8	2.8
1994	<1 yr	1	12.0*	0.3	66.9	18	216.2*	128.2	341.8	0	0.0*	0.0	36.0
	1-4 yrs	2	5.1*	0.6	18.4	81	206.4	163.9	256.5	0	0.0*	0.0	7.6
	5-14 yrs	6	9.3*	3.4	20.2	58	89.7	68.1	115.9	0	0.0*	0.0	4.6
	15-24 yrs	9	7.9*	3.6	15.0	85	74.4	59.5	92.0	2	1.8*	0.2	6.3
	25-34 yrs	90	61.0	49.0	74.9	162	109.8	93.5	128.0	3	2.0*	0.4	5.9
	35-44 yrs	95	74.6	60.4	91.2	98	77.0	62.5	93.8	1	0.8*	0.0	4.4
	45-54 yrs	30	35.1	23.6	50.0	48	56.1	41.4	74.4	1	1.2*	0.0	6.5
	55-64 yrs	15	25.5*	14.3	42.1	26	44.2	28.9	64.8	0	0.0*	0.0	5.1
	65+ yrs	4	4.1*	1.1	10.5	44	45.1	32.8	60.6	0	0.0*	0.0	3.1
	Total	252	33.9	29.8	38.4	620	83.4	77.0	90.2	7	0.9*	0.4	1.9
1995	<1 yr	0	0.0*	0.0	36.7	17	208.2*	121.3	333.4	0	0.0*	0.0	36.7
	1-4 yrs	6	16.4*	6.0	35.7	66	180.6	139.7	229.8	0	0.0*	0.0	8.2
	5-14 yrs	11	17.3*	8.6	30.9	48	75.3	55.5	99.8	0	0.0*	0.0	4.7
	15-24 yrs	9	8.0*	3.7	15.2	49	43.5	32.2	57.5	0	0.0*	0.0	2.7
	25-34 yrs	96	64.4	52.2	78.7	165	110.8	94.5	129.0	1	0.7*	0.0	3.7
	35-44 yrs	106	84.7	69.4	102.5	98	78.3	63.6	95.4	1	0.8*	0.0	4.5
	45-54 yrs	35	39.3	27.4	54.7	48	53.9	39.7	71.5	0	0.0*	0.0	3.4
	55-64 yrs	8	13.7*	5.9	27.0	30	51.4	34.7	73.4	0	0.0*	0.0	5.1
	65+ yrs	13	13.4*	7.1	22.9	42	43.2	31.2	58.4	0	0.0*	0.0	3.1
	Total	284	38.4	34.0	43.1	563	76.1	69.9	82.6	2	0.3*	0.0	1.0

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

Year	Age	Amebiasis			Campylobacteriosis			Coccidioidomycosis					
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1996	<1 yr	0	0.0*	0.0	38.7	31	400.0	271.8	567.8	0	0.0*	0.0	38.7
	1-4 yrs	1	3.0*	0.1	16.5	72	213.4	167.0	268.8	0	0.0*	0.0	8.9
	5-14 yrs	2	3.1*	0.4	11.4	49	77.1	57.0	101.9	0	0.0*	0.0	4.7
	15-24 yrs	6	5.4*	2.0	11.7	96	86.0	69.7	105.0	0	0.0*	0.0	2.7
	25-34 yrs	63	40.9	31.4	52.3	150	97.3	82.4	114.2	2	1.3*	0.2	4.7
	35-44 yrs	63	50.6	38.9	64.7	97	77.9	63.2	95.0	1	0.8*	0.0	4.5
	45-54 yrs	32	34.5	23.6	48.7	56	60.4	45.6	78.5	1	1.1*	0.0	6.0
	55-64 yrs	2	3.4*	0.4	12.3	22	37.6	23.6	56.9	0	0.0*	0.0	5.1
	65+ yrs	3	3.1*	0.6	9.0	37	37.9	26.7	52.2	0	0.0*	0.0	3.1
	Total	172	23.1	19.8	26.8	610	82.0	75.6	88.8	4	0.5*	0.1	1.4
1997	<1 yr	1	13.3*	0.3	74.1	17	226.0*	131.6	361.8	0	0.0*	0.0	39.8
	1-4 yrs	2	7.2*	0.9	25.9	78	279.8	221.1	349.1	0	0.0*	0.0	10.7
	5-14 yrs	6	9.1*	3.3	19.8	50	75.9	56.3	100.0	0	0.0*	0.0	4.5
	15-24 yrs	18	16.5*	9.8	26.0	60	54.9	41.9	70.7	0	0.0*	0.0	2.7
	25-34 yrs	95	58.9	47.7	72.0	159	98.6	83.9	115.2	1	0.6*	0.0	3.5
	35-44 yrs	108	86.7	71.1	104.7	88	70.7	56.7	87.1	1	0.8*	0.0	4.5
	45-54 yrs	42	43.8	31.5	59.2	52	54.2	40.5	71.1	0	0.0*	0.0	3.1
	55-64 yrs	16	27.0*	15.4	43.8	18	30.3*	18.0	48.0	0	0.0*	0.0	5.0
	65+ yrs	2	2.0*	0.2	7.4	42	42.9	30.9	58.0	0	0.0*	0.0	3.1
	Total	290	38.7	34.4	43.4	564	75.3	69.2	81.7	2	0.3*	0.0	1.0
1998	<1 yr	0	0.0*	0.0	43.6	10	145.4*	69.7	267.4	0	0.0*	0.0	43.6
	1-4 yrs	1	3.8*	0.1	21.2	43	163.7	118.5	220.5	0	0.0*	0.0	11.4
	5-14 yrs	4	6.3*	1.7	16.1	38	59.6	42.2	81.8	0	0.0*	0.0	4.7
	15-24 yrs	12	11.3*	5.8	19.8	31	29.2	19.9	41.5	0	0.0*	0.0	2.8
	25-34 yrs	64	37.6	28.9	48.0	109	64.0	52.5	77.1	1	0.6*	0.0	3.3
	35-44 yrs	72	57.3	44.8	72.1	101	80.4	65.5	97.6	1	0.8*	0.0	4.4
	45-54 yrs	25	25.1	16.3	37.1	41	41.2	29.6	55.9	0	0.0*	0.0	3.0
	55-64 yrs	9	14.8*	6.8	28.1	16	26.3*	15.0	42.7	1	1.6*	0.0	9.2
	65+ yrs	1	1.0*	0.0	5.6	39	39.5	28.1	54.0	0	0.0*	0.0	3.0
	Total	188	24.8	21.4	28.6	428	56.4	51.2	62.1	3	0.4*	0.1	1.2
1999	<1 yr	0	0.0*	0.0	44.2	14	206.4*	112.9	346.4	0	0.0*	0.0	44.2
	1-4 yrs	2	8.0*	1.0	28.9	28	111.9	74.4	161.8	0	0.0*	0.0	12.0
	5-14 yrs	3	4.8*	1.0	14.0	18	28.8*	17.1	45.6	0	0.0*	0.0	4.8
	15-24 yrs	8	8.1*	3.5	15.9	28	28.3	18.8	40.9	0	0.0*	0.0	3.0
	25-34 yrs	63	35.6	27.3	45.5	108	61.0	50.0	73.7	1	0.6*	0.0	3.1
	35-44 yrs	63	48.9	37.6	62.6	65	50.5	39.0	64.3	2	1.6*	0.2	5.6
	45-54 yrs	27	26.2	17.3	38.2	38	36.9	26.1	50.7	0	0.0*	0.0	2.9
	55-64 yrs	4	6.4*	1.7	16.4	19	30.4*	18.3	47.4	0	0.0*	0.0	4.8
	65+ yrs	4	3.9*	1.1	10.0	31	30.4	20.6	43.1	0	0.0*	0.0	2.9
	Total	174	22.7	19.5	26.3	349	45.5	40.9	50.6	3	0.4*	0.1	1.1
2000	<1 yr	0	0.0*	0.0	41.5	12	166.1*	85.8	290.2	0	0.0*	0.0	41.5
	1-4 yrs	2	8.3*	1.0	29.9	34	140.7	97.5	196.6	0	0.0*	0.0	12.4
	5-14 yrs	5	8.3*	2.7	19.3	27	44.8	29.5	65.1	0	0.0*	0.0	5.0
	15-24 yrs	6	6.7*	2.5	14.5	31	34.5	23.4	49.0	0	0.0*	0.0	3.3
	25-34 yrs	39	20.7	14.7	28.3	134	71.2	59.7	84.4	0	0.0*	0.0	1.6
	35-44 yrs	66	49.7	38.4	63.2	114	85.8	70.8	103.1	1	0.8*	0.0	4.2
	45-54 yrs	27	25.3	16.6	36.8	44	41.2	29.9	55.3	0	0.0*	0.0	2.8
	55-64 yrs	12	18.3*	9.5	32.0	25	38.2	24.7	56.4	1	1.5*	0.0	8.5
	65+ yrs	4	3.8*	1.0	9.6	22	20.7	13.0	31.3	0	0.0*	0.0	2.8
	Total	161	20.6	17.5	24.1	443	56.7	51.6	62.2	2	0.3*	0.0	0.9

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

Year	Age	Amebiasis			Campylobacteriosis			Coccidioidomycosis					
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
2001	<1 yr	0	0.0*	0.0	35.6	3	35.7*	7.4	104.3	0	0.0*	0.0	35.6
	1-4 yrs	1	4.0*	0.1	22.0	20	79.1	48.3	122.1	0	0.0*	0.0	11.8
	5-14 yrs	3	5.0*	1.0	14.7	18	30.2*	17.9	47.8	0	0.0*	0.0	5.0
	15-24 yrs	4	4.9*	1.3	12.6	37	45.4	32.0	62.6	0	0.0*	0.0	3.7
	25-34 yrs	39	20.2	14.4	27.7	116	60.2	49.7	72.2	1	0.5*	0.0	2.9
	35-44 yrs	67	49.2	38.1	62.4	97	71.2	57.7	86.8	1	0.7*	0.0	4.1
	45-54 yrs	22	20.3	12.7	30.7	67	61.7	47.8	78.4	1	0.9*	0.0	5.1
	55-64 yrs	7	10.4*	4.2	21.4	17	25.2*	14.7	40.3	0	0.0*	0.0	4.4
	65+ yrs	3	2.8*	0.6	8.2	39	36.3	25.8	49.7	0	0.0*	0.0	2.8
Total		146	18.5	15.7	21.8	414	52.6	47.7	57.9	3	0.4*	0.1	1.1
2002	<1 yr	0	0.0*	0.0	37.0	6	74.1*	27.2	161.4	0	0.0*	0.0	37.0
	1-4 yrs	0	0.0*	0.0	10.7	34	121.2	84.0	169.4	0	0.0*	0.0	10.7
	5-14 yrs	5	8.3*	2.7	19.4	26	43.3	28.3	63.4	0	0.0*	0.0	5.0
	15-24 yrs	9	12.4*	5.7	23.6	15	20.7*	11.6	34.1	0	0.0*	0.0	4.1
	25-34 yrs	37	19.6	13.8	27.0	120	63.4	52.6	75.9	0	0.0*	0.0	1.6
	35-44 yrs	58	41.1	31.2	53.1	75	53.1	41.8	66.6	1	0.7*	0.0	3.9
	45-54 yrs	27	24.5	16.2	35.7	41	37.3	26.7	50.6	0	0.0*	0.0	2.7
	55-64 yrs	12	16.9*	8.7	29.6	24	33.8	21.7	50.4	0	0.0*	0.0	4.2
	65+ yrs	2	1.8*	0.2	6.7	35	32.3	22.5	44.9	0	0.0*	0.0	2.8
Total		150	19.0	16.1	22.3	376	47.7	43.0	52.8	1	0.1*	0.0	0.7
2003	<1 yr	0	0.0*	0.0	36.6	7	85.5*	34.4	176.3	0	0.0*	0.0	36.6
	1-4 yrs	1	3.3*	0.1	18.2	20	65.3	39.9	100.9	0	0.0*	0.0	9.8
	5-14 yrs	2	3.3*	0.4	11.8	22	36.0	22.6	54.5	0	0.0*	0.0	4.9
	15-24 yrs	4	6.0*	1.6	15.5	29	43.8	29.3	62.9	1	1.5*	0.0	8.4
	25-34 yrs	31	17.5	11.9	24.8	86	48.6	38.8	60.0	1	0.6*	0.0	3.1
	35-44 yrs	44	29.7	21.5	39.8	65	43.8	33.8	55.8	0	0.0*	0.0	2.0
	45-54 yrs	17	15.2*	8.8	24.3	57	50.9	38.5	65.9	1	0.9*	0.0	5.0
	55-64 yrs	8	10.7*	4.6	21.1	26	34.8	22.7	51.0	0	0.0*	0.0	4.0
	65+ yrs	1	0.9*	0.0	5.1	21	19.3	12.0	29.5	0	0.0*	0.0	2.8
Total		108	13.7	11.3	16.6	333	42.3	37.9	47.1	3	0.4*	0.1	1.1

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

APPENDIX C1: Frequency and Unadjusted Rates for 21 Selected Diseases by Age, San Francisco, 1986-2003

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Year	Age	Cryptosporidiosis				Hepatitis A				Acute Hepatitis B			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1986	<1 yr	0	0.0*	0.0	31.8	0	0.0*	0.0	31.8	0	0.0*	0.0	31.8
	1-4 yrs	0	0.0*	0.0	9.2	1	3.1*	0.1	17.1	0	0.0*	0.0	9.2
	5-14 yrs	0	0.0*	0.0	4.6	7	10.7*	4.3	22.1	0	0.0*	0.0	4.6
	15-24 yrs	0	0.0*	0.0	2.6	24	21.0	13.4	31.2	49	42.8	31.7	56.6
	25-34 yrs	0	0.0*	0.0	2.0	53	35.1	26.3	45.9	71	47.0	36.7	59.3
	35-44 yrs	0	0.0*	0.0	2.6	27	23.1	15.2	33.6	16	13.7*	7.8	22.2
	45-54 yrs	0	0.0*	0.0	4.3	9	12.9*	5.9	24.5	3	4.3*	0.9	12.6
	55-64 yrs	0	0.0*	0.0	4.2	1	1.4*	0.0	7.9	0	0.0*	0.0	4.2
	65+ yrs	0	0.0*	0.0	2.8	4	3.7*	1.0	9.5	0	0.0*	0.0	2.8
	Total	0	0.0*	0.0	0.4	126	17.1	14.2	20.3	139	18.8	15.8	22.3
1987	<1 yr	0	0.0*	0.0	32.6	0	0.0*	0.0	32.6	0	0.0*	0.0	32.6
	1-4 yrs	0	0.0*	0.0	9.3	3	9.3*	1.9	27.2	0	0.0*	0.0	9.3
	5-14 yrs	0	0.0*	0.0	4.6	11	17.0*	8.5	30.4	0	0.0*	0.0	4.6
	15-24 yrs	0	0.0*	0.0	2.6	31	27.4	18.6	38.8	49	43.2	32.0	57.2
	25-34 yrs	0	0.0*	0.0	2.0	65	43.1	33.2	54.9	77	51.0	40.3	63.8
	35-44 yrs	0	0.0*	0.0	2.5	28	23.2	15.4	33.6	20	16.6	10.1	25.6
	45-54 yrs	0	0.0*	0.0	4.3	7	10.0*	4.0	20.6	4	5.7*	1.6	14.6
	55-64 yrs	0	0.0*	0.0	4.4	5	7.3*	2.4	17.0	2	2.9*	0.4	10.5
	65+ yrs	0	0.0*	0.0	2.8	1	0.9*	0.0	5.2	3	2.8*	0.6	8.2
	Total	0	0.0*	0.0	0.4	151	20.5	17.4	24.1	155	21.1	17.9	24.7
1988	<1 yr	0	0.0*	0.0	33.0	0	0.0*	0.0	33.0	0	0.0*	0.0	33.0
	1-4 yrs	0	0.0*	0.0	9.6	3	9.7*	2.0	28.2	0	0.0*	0.0	9.6
	5-14 yrs	0	0.0*	0.0	4.7	17	26.7*	15.6	42.8	0	0.0*	0.0	4.7
	15-24 yrs	0	0.0*	0.0	2.7	68	62.1	48.2	78.8	31	28.3	19.2	40.2
	25-34 yrs	0	0.0*	0.0	2.0	87	57.3	45.9	70.7	49	32.3	23.9	42.7
	35-44 yrs	0	0.0*	0.0	2.4	47	38.2	28.1	50.9	8	6.5*	2.8	12.8
	45-54 yrs	0	0.0*	0.0	4.2	15	21.1*	11.8	34.9	2	2.8*	0.3	10.2
	55-64 yrs	0	0.0*	0.0	4.5	2	3.0*	0.4	10.9	2	3.0*	0.4	10.9
	65+ yrs	0	0.0*	0.0	2.9	2	1.9*	0.2	6.9	4	3.8*	1.0	9.8
	Total	0	0.0*	0.0	0.4	241	33.0	29.0	37.5	96	13.1	10.7	16.1
1989	<1 yr	0	0.0*	0.0	33.9	1	11.3*	0.3	63.0	0	0.0*	0.0	33.9
	1-4 yrs	4	13.5*	3.7	34.5	2	6.7*	0.8	24.3	0	0.0*	0.0	10.1
	5-14 yrs	0	0.0*	0.0	4.8	18	28.9*	17.1	45.7	0	0.0*	0.0	4.8
	15-24 yrs	2	1.9*	0.2	6.9	56	53.7	40.6	69.7	28	26.9	17.8	38.8
	25-34 yrs	14	9.0*	4.9	15.2	98	63.3	51.4	77.1	37	23.9	16.8	32.9
	35-44 yrs	12	9.6*	5.0	16.8	50	40.0	29.7	52.7	7	5.6*	2.3	11.5
	45-54 yrs	4	5.6*	1.5	14.3	10	13.9*	6.7	25.6	4	5.6*	1.5	14.3
	55-64 yrs	0	0.0*	0.0	4.6	5	7.8*	2.5	18.1	2	3.1*	0.4	11.2
	65+ yrs	0	0.0*	0.0	2.9	4	3.9*	1.1	9.9	1	1.0*	0.0	5.4
	Total	36	5.0	3.5	6.9	244	33.7	29.6	38.2	79	10.9	8.6	13.6
1990	<1 yr	2	23.6*	2.9	85.4	0	0.0*	0.0	35.4	0	0.0*	0.0	35.4
	1-4 yrs	1	3.5*	0.1	19.5	2	7.0*	0.8	25.3	0	0.0*	0.0	10.5
	5-14 yrs	0	0.0*	0.0	4.7	12	18.7*	9.6	32.6	2	3.1*	0.4	11.2
	15-24 yrs	3	2.9*	0.6	8.5	50	48.5	36.0	64.0	51	49.5	36.9	65.1
	25-34 yrs	51	32.7	24.4	43.0	103	66.1	54.0	80.2	61	39.2	30.0	50.3
	35-44 yrs	53	41.6	31.2	54.4	54	42.4	31.8	55.3	27	21.2	14.0	30.8
	45-54 yrs	16	21.7*	12.4	35.3	19	25.8*	15.5	40.3	7	9.5*	3.8	19.6
	55-64 yrs	1	1.6*	0.0	8.9	10	16.1*	7.7	29.5	2	3.2*	0.4	11.6
	65+ yrs	0	0.0*	0.0	3.0	6	6.0*	2.2	13.1	2	2.0*	0.2	7.2
	Total	127	17.6	14.6	20.9	256	35.4	31.2	40.0	152	21.0	17.8	24.6

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

Year	Age	Cryptosporidiosis				Hepatitis A				Acute Hepatitis B			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1991	<1 yr	0	0.0*	0.0	31.5	0	0.0*	0.0	31.5	0	0.0*	0.0	31.5
	1-4 yrs	1	3.4*	0.1	18.8	1	3.4*	0.1	18.8	0	0.0*	0.0	10.1
	5-14 yrs	1	1.5*	0.0	8.5	10	15.3*	7.3	28.1	0	0.0*	0.0	4.6
	15-24 yrs	8	7.7*	3.3	15.2	61	59.0	45.1	75.8	21	20.3	12.6	31.0
	25-34 yrs	57	37.4	28.3	48.4	201	131.8	114.2	151.4	35	23.0	16.0	31.9
	35-44 yrs	57	44.0	33.3	57.0	92	71.1	57.3	87.2	17	13.1*	7.6	21.0
	45-54 yrs	16	21.2*	12.1	34.4	25	33.1	21.4	48.8	8	10.6*	4.6	20.8
	55-64 yrs	1	1.6*	0.0	9.2	9	14.8*	6.8	28.1	3	4.9*	1.0	14.4
	65+ yrs	0	0.0*	0.0	3.0	6	6.0*	2.2	13.1	1	1.0*	0.0	5.6
	Total	141	19.4	16.3	22.9	405	55.7	50.4	61.4	85	11.7	9.3	14.5
1992	<1 yr	0	0.0*	0.0	15.5	0	0.0*	0.0	15.5	0	0.0*	0.0	15.5
	1-4 yrs	1	3.3*	0.1	18.3	6	19.7*	7.2	42.9	0	0.0*	0.0	9.8
	5-14 yrs	1	1.6*	0.0	8.6	22	34.1	21.4	51.7	0	0.0*	0.0	4.6
	15-24 yrs	3	2.8*	0.6	8.2	70	65.5	51.1	82.8	21	19.6	12.2	30.0
	25-34 yrs	35	23.5	16.4	32.7	166	111.6	95.2	129.9	37	24.9	17.5	34.3
	35-44 yrs	32	25.0	17.1	35.4	74	57.9	45.5	72.7	9	7.0*	3.2	13.4
	45-54 yrs	10	12.8*	6.1	23.6	21	26.9	16.7	41.1	3	3.8*	0.8	11.2
	55-64 yrs	1	1.7*	0.0	9.4	3	5.1*	1.0	14.9	0	0.0*	0.0	5.1
	65+ yrs	0	0.0*	0.0	3.1	1	1.0*	0.0	5.8	0	0.0*	0.0	3.1
	Total	83	11.4	9.0	14.1	363	49.7	44.7	55.0	70	9.6	7.5	12.1
1993	<1 yr	1	11.1*	0.3	61.8	0	0.0*	0.0	33.2	0	0.0*	0.0	33.2
	1-4 yrs	2	4.9*	0.6	17.7	4	9.8*	2.7	25.1	0	0.0*	0.0	7.3
	5-14 yrs	3	4.6*	0.9	13.4	3	4.6*	0.9	13.4	0	0.0*	0.0	4.6
	15-24 yrs	2	1.8*	0.2	6.4	42	37.4	26.9	50.5	21	18.7	11.6	28.6
	25-34 yrs	46	30.9	22.6	41.2	114	76.6	63.2	92.0	37	24.9	17.5	34.3
	35-44 yrs	61	47.2	36.1	60.7	44	34.1	24.7	45.7	14	10.8*	5.9	18.2
	45-54 yrs	25	30.3	19.6	44.7	7	8.5*	3.4	17.5	5	6.1*	2.0	14.1
	55-64 yrs	0	0.0*	0.0	5.1	1	1.7*	0.0	9.4	0	0.0*	0.0	5.1
	65+ yrs	0	0.0*	0.0	3.1	5	5.1*	1.7	11.9	0	0.0*	0.0	3.1
	Total	140	18.8	15.8	22.2	220	29.5	25.8	33.7	77	10.3	8.2	12.9
1994	<1 yr	0	0.0*	0.0	36.0	0	0.0*	0.0	36.0	0	0.0*	0.0	36.0
	1-4 yrs	1	2.5*	0.1	14.2	0	0.0*	0.0	7.6	0	0.0*	0.0	7.6
	5-14 yrs	0	0.0*	0.0	4.6	12	18.5*	9.6	32.4	0	0.0*	0.0	4.6
	15-24 yrs	2	1.8*	0.2	6.3	58	50.8	38.6	65.7	16	14.0*	8.0	22.8
	25-34 yrs	38	25.7	18.2	35.3	132	89.4	74.8	106.1	35	23.7	16.5	33.0
	35-44 yrs	53	41.6	31.2	54.4	68	53.4	41.5	67.7	16	12.6*	7.2	20.4
	45-54 yrs	17	19.9*	11.6	31.8	17	19.9*	11.6	31.8	3	3.5*	0.7	10.2
	55-64 yrs	4	6.8*	1.9	17.4	3	5.1*	1.1	14.9	1	1.7*	0.0	9.5
	65+ yrs	2	2.1*	0.2	7.4	7	7.2*	2.9	14.8	1	1.0*	0.0	5.7
	Total	117	15.7	13.0	18.9	297	40.0	35.5	44.8	72	9.7	7.6	12.2
1995	<1 yr	0	0.0*	0.0	36.7	0	0.0*	0.0	36.7	0	0.0*	0.0	36.7
	1-4 yrs	1	2.7*	0.1	15.3	5	13.7*	4.4	31.9	0	0.0*	0.0	8.2
	5-14 yrs	0	0.0*	0.0	4.7	18	28.2*	16.7	44.6	0	0.0*	0.0	4.7
	15-24 yrs	3	2.7*	0.5	7.8	83	73.6	58.6	91.3	10	8.9*	4.3	16.3
	25-34 yrs	39	26.2	18.6	35.8	199	133.6	115.7	153.5	27	18.1	11.9	26.4
	35-44 yrs	62	49.5	38.0	63.5	94	75.1	60.7	91.9	13	10.4*	5.5	17.8
	45-54 yrs	16	18.0*	10.3	29.2	41	46.0	33.0	62.5	1	1.1*	0.0	6.3
	55-64 yrs	5	8.6*	2.8	20.0	6	10.3*	3.8	22.4	0	0.0*	0.0	5.1
	65+ yrs	0	0.0*	0.0	3.1	9	9.3*	4.2	17.6	1	1.0*	0.0	5.7
	Total	126	17.0	14.2	20.3	455	61.5	56.0	67.4	52	7.0	5.2	9.2

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

Year	Age	Cryptosporidiosis				Hepatitis A				Acute Hepatitis B			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1996	<1 yr	1	12.9*	0.3	71.9	1	12.9*	0.3	71.9	0	0.0*	0.0	38.7
	1-4 yrs	2	5.9*	0.7	21.4	10	29.6*	14.2	54.5	0	0.0*	0.0	8.9
	5-14 yrs	0	0.0*	0.0	4.7	9	14.2*	6.5	26.9	0	0.0*	0.0	4.7
	15-24 yrs	3	2.7*	0.6	7.9	73	65.4	51.3	82.2	11	9.9*	4.9	17.6
	25-34 yrs	27	17.5	11.5	25.5	249	161.6	142.1	183.0	32	20.8	14.2	29.3
	35-44 yrs	30	24.1	16.3	34.4	161	129.3	110.1	150.9	12	9.6*	5.0	16.8
	45-54 yrs	17	18.3*	10.7	29.4	48	51.8	38.2	68.7	1	1.1*	0.0	6.0
	55-64 yrs	2	3.4*	0.4	12.3	18	30.8*	18.2	48.6	1	1.7*	0.0	9.5
	65+ yrs	1	1.0*	0.0	5.7	11	11.3*	5.6	20.2	2	2.0*	0.2	7.4
	Total	83	11.2	8.9	13.8	580	77.9	71.7	84.6	59	7.9	6.0	10.2
1997	<1 yr	0	0.0*	0.0	39.8	0	0.0*	0.0	39.8	0	0.0*	0.0	39.8
	1-4 yrs	1	3.6*	0.1	20.0	4	14.3*	3.9	36.7	0	0.0*	0.0	10.7
	5-14 yrs	0	0.0*	0.0	4.5	14	21.2*	11.6	35.6	0	0.0*	0.0	4.5
	15-24 yrs	3	2.7*	0.6	8.0	65	59.5	45.9	75.9	9	8.2*	3.8	15.6
	25-34 yrs	21	13.0	8.1	19.9	251	155.7	137.0	176.1	30	18.6	12.6	26.6
	35-44 yrs	22	17.7	11.1	26.7	182	146.2	125.7	169.0	11	8.8*	4.4	15.8
	45-54 yrs	10	10.4*	5.0	19.2	59	61.5	46.8	79.3	8	8.3*	3.6	16.4
	55-64 yrs	3	5.1*	1.0	14.8	6	10.1*	3.7	22.0	0	0.0*	0.0	5.0
	65+ yrs	2	2.0*	0.2	7.4	2	2.0*	0.2	7.4	0	0.0*	0.0	3.1
	Total	62	8.3	6.3	10.6	583	77.8	71.6	84.4	58	7.7	5.9	10.0
1998	<1 yr	0	0.0*	0.0	43.6	0	0.0*	0.0	43.6	0	0.0*	0.0	43.6
	1-4 yrs	0	0.0*	0.0	11.4	3	11.4*	2.4	33.4	0	0.0*	0.0	11.4
	5-14 yrs	2	3.1*	0.4	11.3	15	23.5*	13.2	38.8	0	0.0*	0.0	4.7
	15-24 yrs	4	3.8*	1.0	9.7	56	52.8	39.9	68.6	15	14.1*	7.9	23.3
	25-34 yrs	19	11.1*	6.7	17.4	114	66.9	55.2	80.4	27	15.8	10.4	23.0
	35-44 yrs	22	17.5	11.0	26.5	78	62.1	49.1	77.5	13	10.3*	5.5	17.7
	45-54 yrs	10	10.1*	4.8	18.5	20	20.1	12.3	31.1	7	7.0*	2.8	14.5
	55-64 yrs	1	1.6*	0.0	9.2	6	9.9*	3.6	21.5	4	6.6*	1.8	16.8
	65+ yrs	1	1.0*	0.0	5.6	3	3.0*	0.6	8.9	0	0.0*	0.0	3.0
	Total	59	7.8	5.9	10.0	295	38.9	34.6	43.6	66	8.7	6.7	11.1
1999	<1 yr	0	0.0*	0.0	44.2	0	0.0*	0.0	44.2	0	0.0*	0.0	44.2
	1-4 yrs	0	0.0*	0.0	12.0	4	16.0*	4.4	40.9	0	0.0*	0.0	12.0
	5-14 yrs	3	4.8*	1.0	14.0	6	9.6*	3.5	20.9	0	0.0*	0.0	4.8
	15-24 yrs	7	7.1*	2.8	14.6	17	17.2*	10.0	27.5	7	7.1*	2.8	14.6
	25-34 yrs	19	10.7*	6.5	16.8	38	21.5	15.2	29.5	26	14.7	9.6	21.5
	35-44 yrs	26	20.2	13.2	29.6	27	21.0	13.8	30.5	11	8.5*	4.3	15.3
	45-54 yrs	14	13.6*	7.4	22.8	22	21.4	13.4	32.4	4	3.9*	1.1	10.0
	55-64 yrs	2	3.2*	0.4	11.5	3	4.8*	1.0	14.0	1	1.6*	0.0	8.9
	65+ yrs	0	0.0*	0.0	2.9	2	2.0*	0.2	7.1	2	2.0*	0.2	7.1
	Total	71	9.3	7.2	11.7	119	15.5	12.9	18.6	51	6.7	5.0	8.7
2000	<1 yr	0	0.0*	0.0	41.5	0	0.0*	0.0	41.5	0	0.0*	0.0	41.5
	1-4 yrs	2	8.3*	1.0	29.9	0	0.0*	0.0	12.4	0	0.0*	0.0	12.4
	5-14 yrs	0	0.0*	0.0	5.0	7	11.6*	4.7	23.9	0	0.0*	0.0	5.0
	15-24 yrs	1	1.1*	0.0	6.2	3	3.3*	0.7	9.8	7	7.8*	3.1	16.1
	25-34 yrs	11	5.8*	2.9	10.5	19	10.1*	6.1	15.8	22	11.7	7.3	17.7
	35-44 yrs	20	15.1	9.2	23.3	23	17.3	11.0	26.0	24	18.1	11.6	26.9
	45-54 yrs	9	8.4*	3.9	16.0	4	3.7*	1.0	9.6	4	3.7*	1.0	9.6
	55-64 yrs	0	0.0*	0.0	4.6	2	3.1*	0.4	11.0	1	1.5*	0.0	8.5
	65+ yrs	0	0.0*	0.0	2.8	1	0.9*	0.0	5.2	0	0.0*	0.0	2.8
	Total	43	5.5	4.0	7.4	59	7.6	5.7	9.7	58	7.4	5.6	9.6

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

Year	Age	Cryptosporidiosis				Hepatitis A				Acute Hepatitis B			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
2001	<1 yr	0	0.0*	0.0	35.6	0	0.0*	0.0	35.6	0	0.0*	0.0	35.6
	1-4 yrs	1	4.0*	0.1	22.0	0	0.0*	0.0	11.8	0	0.0*	0.0	11.8
	5-14 yrs	0	0.0*	0.0	5.0	6	10.1*	3.7	21.9	0	0.0*	0.0	5.0
	15-24 yrs	0	0.0*	0.0	3.7	7	8.6*	3.5	17.7	5	6.1*	2.0	14.3
	25-34 yrs	10	5.2*	2.5	9.5	29	15.0	10.1	21.6	23	11.9	7.6	17.9
	35-44 yrs	20	14.7	9.0	22.7	28	20.5	13.7	29.7	23	16.9	10.7	25.3
	45-54 yrs	5	4.6*	1.5	10.7	8	7.4*	3.2	14.5	11	10.1*	5.1	18.1
	55-64 yrs	0	0.0*	0.0	4.4	1	1.5*	0.0	8.3	2	3.0*	0.4	10.7
	65+ yrs	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8
Total		36	4.6	3.2	6.3	79	10.0	7.9	12.5	64	8.1	6.3	10.4
2002	<1 yr	0	0.0*	0.0	37.0	0	0.0*	0.0	37.0	0	0.0*	0.0	37.0
	1-4 yrs	1	3.6*	0.1	19.9	0	0.0*	0.0	10.7	0	0.0*	0.0	10.7
	5-14 yrs	2	3.3*	0.4	12.0	2	3.3*	0.4	12.0	0	0.0*	0.0	5.0
	15-24 yrs	1	1.4*	0.0	7.7	3	4.1*	0.9	12.1	4	5.5*	1.5	14.1
	25-34 yrs	4	2.1*	0.6	5.4	13	6.9*	3.7	11.8	14	7.4*	4.0	12.4
	35-44 yrs	12	8.5*	4.4	14.8	9	6.4*	2.9	12.1	11	7.8*	3.9	13.9
	45-54 yrs	3	2.7*	0.6	8.0	5	4.5*	1.5	10.6	4	3.6*	1.0	9.3
	55-64 yrs	0	0.0*	0.0	4.2	3	4.2*	0.9	12.4	1	1.4*	0.0	7.9
	65+ yrs	1	0.9*	0.0	5.1	3	2.8*	0.6	8.1	0	0.0*	0.0	2.8
Total		24	3.0	2.0	4.5	38	4.8	3.4	6.6	34	4.3	3.0	6.0
2003	<1 yr	0	0.0*	0.0	36.6	0	0.0*	0.0	36.6	0	0.0*	0.0	36.6
	1-4 yrs	1	3.3*	0.1	18.2	1	3.3*	0.1	18.2	1	3.3*	0.1	18.2
	5-14 yrs	0	0.0*	0.0	4.9	2	3.3*	0.4	11.8	0	0.0*	0.0	4.9
	15-24 yrs	1	1.5*	0.0	8.4	2	3.0*	0.4	10.9	3	4.5*	0.9	13.2
	25-34 yrs	2	1.1*	0.1	4.1	4	2.3*	0.6	5.8	22	12.4	7.8	18.8
	35-44 yrs	8	5.4*	2.3	10.6	2	1.3*	0.2	4.9	13	8.8*	4.7	15.0
	45-54 yrs	1	0.9*	0.0	5.0	1	0.9*	0.0	5.0	3	2.7*	0.6	7.8
	55-64 yrs	1	1.3*	0.0	7.5	2	2.7*	0.3	9.7	1	1.3*	0.0	7.5
	65+ yrs	0	0.0*	0.0	2.8	1	0.9*	0.0	5.1	1	0.9*	0.0	5.1
Total		14	1.8*	1.0	3.0	15	1.9*	1.1	3.1	44	5.6	4.1	7.5

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

Year	Age	E.coli O157:H7				Giardiasis				Listeriosis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1986	<1 yr	0	0.0*	0.0	31.8	2	21.2*	2.6	76.7	1	10.6*	0.3	59.2
	1-4 yrs	0	0.0*	0.0	9.2	49	150.7	111.5	199.2	0	0.0*	0.0	9.2
	5-14 yrs	0	0.0*	0.0	4.6	40	61.2	43.7	83.4	0	0.0*	0.0	4.6
	15-24 yrs	0	0.0*	0.0	2.6	29	25.3	17.0	36.4	0	0.0*	0.0	2.6
	25-34 yrs	0	0.0*	0.0	2.0	121	80.1	66.5	95.8	2	1.3*	0.2	4.8
	35-44 yrs	0	0.0*	0.0	2.6	54	46.2	34.7	60.3	2	1.7*	0.2	6.2
	45-54 yrs	0	0.0*	0.0	4.3	15	21.5*	12.1	35.5	1	1.4*	0.0	8.0
	55-64 yrs	0	0.0*	0.0	4.2	2	2.8*	0.3	10.2	0	0.0*	0.0	4.2
	65+ yrs	0	0.0*	0.0	2.8	1	0.9*	0.0	5.2	4	3.7*	1.0	9.5
	Total	0	0.0*	0.0	0.4	313	42.4	37.9	47.4	10	1.4*	0.7	2.5
1987	<1 yr	0	0.0*	0.0	32.6	2	21.8*	2.6	78.7	1	10.9*	0.3	60.7
	1-4 yrs	0	0.0*	0.0	9.3	31	96.3	65.4	136.7	0	0.0*	0.0	9.3
	5-14 yrs	0	0.0*	0.0	4.6	53	81.7	61.2	106.9	0	0.0*	0.0	4.6
	15-24 yrs	0	0.0*	0.0	2.6	33	29.1	20.0	40.9	0	0.0*	0.0	2.6
	25-34 yrs	0	0.0*	0.0	2.0	80	53.0	42.0	66.0	5	3.3*	1.1	7.7
	35-44 yrs	0	0.0*	0.0	2.5	50	41.5	30.8	54.7	3	2.5*	0.5	7.3
	45-54 yrs	0	0.0*	0.0	4.3	8	11.4*	4.9	22.5	1	1.4*	0.0	8.0
	55-64 yrs	0	0.0*	0.0	4.4	6	8.7*	3.2	19.0	5	7.3*	2.4	17.0
	65+ yrs	0	0.0*	0.0	2.8	4	3.8*	1.0	9.6	6	5.6*	2.1	12.3
	Total	0	0.0*	0.0	0.4	267	36.3	32.1	40.9	21	2.9	1.8	4.4
1988	<1 yr	0	0.0*	0.0	33.0	2	22.0*	2.7	79.5	3	33.0*	6.8	96.5
	1-4 yrs	0	0.0*	0.0	9.6	51	164.1	122.2	215.8	0	0.0*	0.0	9.6
	5-14 yrs	0	0.0*	0.0	4.7	76	119.5	94.2	149.6	0	0.0*	0.0	4.7
	15-24 yrs	0	0.0*	0.0	2.7	34	31.1	21.5	43.4	0	0.0*	0.0	2.7
	25-34 yrs	0	0.0*	0.0	2.0	85	56.0	44.7	69.2	3	2.0*	0.4	5.8
	35-44 yrs	0	0.0*	0.0	2.4	61	49.6	38.0	63.8	1	0.8*	0.0	4.5
	45-54 yrs	0	0.0*	0.0	4.2	13	18.3*	9.8	31.3	2	2.8*	0.3	10.2
	55-64 yrs	0	0.0*	0.0	4.5	6	9.0*	3.3	19.7	2	3.0*	0.4	10.9
	65+ yrs	0	0.0*	0.0	2.9	7	6.7*	2.7	13.8	3	2.9*	0.6	8.4
	Total	0	0.0*	0.0	0.4	335	45.9	41.1	51.1	14	1.9*	1.0	3.2
1989	<1 yr	0	0.0*	0.0	33.9	2	22.6*	2.7	81.7	0	0.0*	0.0	33.9
	1-4 yrs	0	0.0*	0.0	10.1	55	185.1	139.4	240.9	0	0.0*	0.0	10.1
	5-14 yrs	0	0.0*	0.0	4.8	49	78.7	58.2	104.1	0	0.0*	0.0	4.8
	15-24 yrs	0	0.0*	0.0	2.9	25	24.0	15.5	35.4	0	0.0*	0.0	2.9
	25-34 yrs	0	0.0*	0.0	1.9	87	56.2	45.0	69.3	3	1.9*	0.4	5.7
	35-44 yrs	0	0.0*	0.0	2.4	71	56.8	44.4	71.7	5	4.0*	1.3	9.3
	45-54 yrs	0	0.0*	0.0	4.2	23	32.0	20.3	48.0	3	4.2*	0.9	12.2
	55-64 yrs	0	0.0*	0.0	4.6	13	20.2*	10.7	34.5	1	1.6*	0.0	8.6
	65+ yrs	0	0.0*	0.0	2.9	7	6.8*	2.7	14.0	4	3.9*	1.1	9.9
	Total	0	0.0*	0.0	0.4	332	45.8	41.0	51.0	16	2.2*	1.3	3.6
1990	<1 yr	0	0.0*	0.0	35.4	2	23.6*	2.9	85.4	0	0.0*	0.0	35.4
	1-4 yrs	0	0.0*	0.0	10.5	42	147.2	106.1	199.0	0	0.0*	0.0	10.5
	5-14 yrs	0	0.0*	0.0	4.7	64	99.5	76.6	127.1	0	0.0*	0.0	4.7
	15-24 yrs	0	0.0*	0.0	2.9	38	36.9	26.1	50.6	1	1.0*	0.0	5.4
	25-34 yrs	0	0.0*	0.0	1.9	87	55.8	44.7	68.9	5	3.2*	1.0	7.5
	35-44 yrs	0	0.0*	0.0	2.4	88	69.1	55.4	85.1	2	1.6*	0.2	5.7
	45-54 yrs	0	0.0*	0.0	4.1	25	33.9	22.0	50.1	2	2.7*	0.3	9.8
	55-64 yrs	0	0.0*	0.0	4.8	9	14.5*	6.6	27.4	4	6.4*	1.8	16.4
	65+ yrs	0	0.0*	0.0	3.0	6	6.0*	2.2	13.1	3	3.0*	0.6	8.8
	Total	0	0.0*	0.0	0.4	361	49.9	44.9	55.3	17	2.4*	1.4	3.8

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

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95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

Year	Age	E.coli O157:H7				Giardiasis				Listeriosis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1991	<1 yr	0	0.0*	0.0	31.5	2	21.0*	2.5	75.9	0	0.0*	0.0	31.5
	1-4 yrs	0	0.0*	0.0	10.1	45	151.9	110.8	203.3	0	0.0*	0.0	10.1
	5-14 yrs	0	0.0*	0.0	4.6	47	71.7	52.7	95.4	1	1.5*	0.0	8.5
	15-24 yrs	0	0.0*	0.0	2.9	37	35.8	25.2	49.3	2	1.9*	0.2	7.0
	25-34 yrs	0	0.0*	0.0	2.0	103	67.5	55.1	81.9	0	0.0*	0.0	2.0
	35-44 yrs	0	0.0*	0.0	2.3	57	44.0	33.3	57.0	1	0.8*	0.0	4.3
	45-54 yrs	0	0.0*	0.0	4.0	16	21.2*	12.1	34.4	1	1.3*	0.0	7.4
	55-64 yrs	0	0.0*	0.0	4.9	6	9.9*	3.6	21.4	1	1.6*	0.0	9.2
	65+ yrs	0	0.0*	0.0	3.0	3	3.0*	0.6	8.8	2	2.0*	0.2	7.2
	Total	0	0.0*	0.0	0.4	316	43.5	38.8	48.6	8	1.1*	0.5	2.2
1992	<1 yr	0	0.0*	0.0	15.5	0	0.0*	0.0	15.5	1	5.2*	0.1	28.9
	1-4 yrs	0	0.0*	0.0	9.8	29	95.2	63.7	136.7	0	0.0*	0.0	9.8
	5-14 yrs	0	0.0*	0.0	4.6	25	38.8	25.1	57.3	0	0.0*	0.0	4.6
	15-24 yrs	0	0.0*	0.0	2.8	23	21.5	13.6	32.3	0	0.0*	0.0	2.8
	25-34 yrs	0	0.0*	0.0	2.0	76	51.1	40.2	63.9	1	0.7*	0.0	3.7
	35-44 yrs	0	0.0*	0.0	2.3	60	47.0	35.8	60.5	0	0.0*	0.0	2.3
	45-54 yrs	0	0.0*	0.0	3.8	23	29.5	18.7	44.2	1	1.3*	0.0	7.1
	55-64 yrs	0	0.0*	0.0	5.1	3	5.1*	1.0	14.9	0	0.0*	0.0	5.1
	65+ yrs	0	0.0*	0.0	3.1	8	8.3*	3.6	16.4	3	3.1*	0.6	9.1
	Total	0	0.0*	0.0	0.4	247	33.8	29.7	38.3	6	0.8*	0.3	1.8
1993	<1 yr	0	0.0*	0.0	33.2	2	22.2*	2.7	80.1	0	0.0*	0.0	33.2
	1-4 yrs	1	2.5*	0.1	13.7	39	95.7	68.0	130.8	0	0.0*	0.0	7.3
	5-14 yrs	1	1.5*	0.0	8.5	32	49.0	33.5	69.1	0	0.0*	0.0	4.6
	15-24 yrs	0	0.0*	0.0	2.7	26	23.1	15.1	33.9	0	0.0*	0.0	2.7
	25-34 yrs	0	0.0*	0.0	2.0	121	81.3	67.5	97.2	0	0.0*	0.0	2.0
	35-44 yrs	1	0.8*	0.0	4.3	88	68.1	54.6	83.9	0	0.0*	0.0	2.3
	45-54 yrs	0	0.0*	0.0	3.6	26	31.5	20.6	46.2	0	0.0*	0.0	3.6
	55-64 yrs	0	0.0*	0.0	5.1	11	18.6*	9.3	33.2	0	0.0*	0.0	5.1
	65+ yrs	1	1.0*	0.0	5.7	5	5.1*	1.7	11.9	1	1.0*	0.0	5.7
	Total	4	0.5*	0.1	1.4	350	47.0	42.2	52.2	1	0.1*	0.0	0.7
1994	<1 yr	0	0.0*	0.0	36.0	0	0.0*	0.0	36.0	2	24.0*	2.9	86.8
	1-4 yrs	1	2.5*	0.1	14.2	25	63.7	41.2	94.0	0	0.0*	0.0	7.6
	5-14 yrs	1	1.5*	0.0	8.6	42	64.9	46.8	87.8	0	0.0*	0.0	4.6
	15-24 yrs	0	0.0*	0.0	2.6	44	38.5	28.0	51.7	0	0.0*	0.0	2.6
	25-34 yrs	1	0.7*	0.0	3.8	136	92.1	77.3	109.0	2	1.4*	0.2	4.9
	35-44 yrs	0	0.0*	0.0	2.4	102	80.1	65.3	97.3	1	0.8*	0.0	4.4
	45-54 yrs	0	0.0*	0.0	3.5	40	46.7	33.4	63.6	0	0.0*	0.0	3.5
	55-64 yrs	0	0.0*	0.0	5.1	14	23.8*	13.0	40.0	3	5.1*	1.1	14.9
	65+ yrs	1	1.0*	0.0	5.7	5	5.1*	1.7	12.0	1	1.0*	0.0	5.7
	Total	4	0.5*	0.1	1.4	408	54.9	49.7	60.5	9	1.2*	0.6	2.3
1995	<1 yr	0	0.0*	0.0	36.7	0	0.0*	0.0	36.7	0	0.0*	0.0	36.7
	1-4 yrs	0	0.0*	0.0	8.2	25	68.4	44.3	101.0	0	0.0*	0.0	8.2
	5-14 yrs	0	0.0*	0.0	4.7	41	64.3	46.1	87.2	0	0.0*	0.0	4.7
	15-24 yrs	0	0.0*	0.0	2.7	26	23.1	15.1	33.8	0	0.0*	0.0	2.7
	25-34 yrs	1	0.7*	0.0	3.7	132	88.6	74.1	105.1	3	2.0*	0.4	5.9
	35-44 yrs	1	0.8*	0.0	4.5	132	105.5	88.3	125.1	0	0.0*	0.0	2.4
	45-54 yrs	0	0.0*	0.0	3.4	40	44.9	32.1	61.2	0	0.0*	0.0	3.4
	55-64 yrs	0	0.0*	0.0	5.1	10	17.1*	8.2	31.5	0	0.0*	0.0	5.1
	65+ yrs	0	0.0*	0.0	3.1	4	4.1*	1.1	10.5	5	5.1*	1.7	12.0
	Total	2	0.3*	0.0	1.0	410	55.4	50.2	61.0	8	1.1*	0.5	2.1

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

APPENDIX C1: Frequency and Unadjusted Rates for 21 Selected Diseases by Age, San Francisco, 1986-2003

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Year	Age	E.coli O157:H7				Giardiasis				Listeriosis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1996	<1 yr	0	0.0*	0.0	38.7	1	12.9*	0.3	71.9	0	0.0*	0.0	38.7
	1-4 yrs	0	0.0*	0.0	8.9	31	91.9	62.4	130.4	0	0.0*	0.0	8.9
	5-14 yrs	1	1.6*	0.0	8.8	48	75.5	55.7	100.1	1	1.6*	0.0	8.8
	15-24 yrs	0	0.0*	0.0	2.7	29	26.0	17.4	37.3	0	0.0*	0.0	2.7
	25-34 yrs	0	0.0*	0.0	1.9	116	75.3	62.2	90.3	1	0.6*	0.0	3.6
	35-44 yrs	0	0.0*	0.0	2.4	110	88.4	72.6	106.5	0	0.0*	0.0	2.4
	45-54 yrs	1	1.1*	0.0	6.0	42	45.3	32.7	61.3	0	0.0*	0.0	3.2
	55-64 yrs	1	1.7*	0.0	9.5	13	22.2*	11.8	38.0	1	1.7*	0.0	9.5
	65+ yrs	2	2.0*	0.2	7.4	10	10.2*	4.9	18.8	4	4.1*	1.1	10.5
	Total	5	0.7*	0.2	1.6	400	53.8	48.6	59.3	7	0.9*	0.4	1.9
1997	<1 yr	0	0.0*	0.0	39.8	0	0.0*	0.0	39.8	0	0.0*	0.0	39.8
	1-4 yrs	1	3.6*	0.1	20.0	21	75.3	46.6	115.1	0	0.0*	0.0	10.7
	5-14 yrs	0	0.0*	0.0	4.5	31	47.0	32.0	66.8	0	0.0*	0.0	4.5
	15-24 yrs	0	0.0*	0.0	2.7	27	24.7	16.3	36.0	0	0.0*	0.0	2.7
	25-34 yrs	0	0.0*	0.0	1.9	135	83.7	70.2	99.1	0	0.0*	0.0	1.9
	35-44 yrs	1	0.8*	0.0	4.5	101	81.1	66.1	98.6	1	0.8*	0.0	4.5
	45-54 yrs	0	0.0*	0.0	3.1	39	40.6	28.9	55.6	0	0.0*	0.0	3.1
	55-64 yrs	0	0.0*	0.0	5.0	9	15.2*	6.9	28.8	1	1.7*	0.0	9.4
	65+ yrs	0	0.0*	0.0	3.1	9	9.2*	4.2	17.5	4	4.1*	1.1	10.5
	Total	2	0.3*	0.0	1.0	372	49.6	44.7	54.9	6	0.8*	0.3	1.7
1998	<1 yr	0	0.0*	0.0	43.6	0	0.0*	0.0	43.6	0	0.0*	0.0	43.6
	1-4 yrs	2	7.6*	0.9	27.5	24	91.4	58.5	136.0	0	0.0*	0.0	11.4
	5-14 yrs	3	4.7*	1.0	13.7	17	26.7*	15.5	42.7	0	0.0*	0.0	4.7
	15-24 yrs	0	0.0*	0.0	2.8	26	24.5	16.0	35.9	0	0.0*	0.0	2.8
	25-34 yrs	1	0.6*	0.0	3.3	117	68.6	56.8	82.3	1	0.6*	0.0	3.3
	35-44 yrs	2	1.6*	0.2	5.7	137	109.0	91.5	128.9	1	0.8*	0.0	4.4
	45-54 yrs	1	1.0*	0.0	5.6	31	31.2	21.2	44.2	0	0.0*	0.0	3.0
	55-64 yrs	0	0.0*	0.0	4.9	6	9.9*	3.6	21.5	0	0.0*	0.0	4.9
	65+ yrs	3	3.0*	0.6	8.9	6	6.1*	2.2	13.2	1	1.0*	0.0	5.6
	Total	12	1.6*	0.8	2.8	364	48.0	43.2	53.2	3	0.4*	0.1	1.2
1999	<1 yr	0	0.0*	0.0	44.2	1	14.7*	0.4	82.2	1	14.7*	0.4	82.2
	1-4 yrs	4	16.0*	4.4	40.9	17	68.0*	39.6	108.8	0	0.0*	0.0	12.0
	5-14 yrs	1	1.6*	0.0	8.9	16	25.6*	14.7	41.6	0	0.0*	0.0	4.8
	15-24 yrs	0	0.0*	0.0	3.0	25	25.3	16.3	37.3	1	1.0*	0.0	5.6
	25-34 yrs	0	0.0*	0.0	1.7	122	68.9	57.2	82.3	4	2.3*	0.6	5.8
	35-44 yrs	0	0.0*	0.0	2.3	118	91.6	75.8	109.7	1	0.8*	0.0	4.3
	45-54 yrs	0	0.0*	0.0	2.9	32	31.1	21.3	43.9	1	1.0*	0.0	5.4
	55-64 yrs	0	0.0*	0.0	4.8	14	22.4*	12.2	37.5	0	0.0*	0.0	4.8
	65+ yrs	0	0.0*	0.0	2.9	4	3.9*	1.1	10.0	1	1.0*	0.0	5.5
	Total	5	0.7*	0.2	1.5	349	45.5	40.9	50.6	9	1.2*	0.5	2.2
2000	<1 yr	0	0.0*	0.0	41.5	3	41.5*	8.6	121.4	1	13.8*	0.4	77.1
	1-4 yrs	1	4.1*	0.1	23.1	19	78.6*	47.3	122.8	0	0.0*	0.0	12.4
	5-14 yrs	2	3.3*	0.4	12.0	22	36.5	22.9	55.2	1	1.7*	0.0	9.2
	15-24 yrs	1	1.1*	0.0	6.2	20	22.3	13.6	34.4	0	0.0*	0.0	3.3
	25-34 yrs	0	0.0*	0.0	1.6	97	51.6	41.8	62.9	1	0.5*	0.0	3.0
	35-44 yrs	1	0.8*	0.0	4.2	139	104.6	88.0	123.6	0	0.0*	0.0	2.3
	45-54 yrs	0	0.0*	0.0	2.8	58	54.3	41.2	70.2	0	0.0*	0.0	2.8
	55-64 yrs	0	0.0*	0.0	4.6	10	15.3*	7.3	28.1	1	1.5*	0.0	8.5
	65+ yrs	1	0.9*	0.0	5.2	12	11.3*	5.8	19.7	1	0.9*	0.0	5.2
	Total	6	0.8*	0.3	1.7	380	48.6	43.9	53.8	5	0.6*	0.2	1.5

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

Year	Age	E.coli O157:H7				Giardiasis				Listeriosis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
2001	<1 yr	0	0.0*	0.0	35.6	0	0.0*	0.0	35.6	0	0.0*	0.0	35.6
	1-4 yrs	6	23.7*	8.7	51.6	9	35.6*	16.3	67.6	0	0.0*	0.0	11.8
	5-14 yrs	1	1.7*	0.0	9.4	14	23.5*	12.9	39.5	0	0.0*	0.0	5.0
	15-24 yrs	0	0.0*	0.0	3.7	17	20.9*	12.2	33.4	0	0.0*	0.0	3.7
	25-34 yrs	0	0.0*	0.0	1.6	115	59.7	49.3	71.6	1	0.5*	0.0	2.9
	35-44 yrs	1	0.7*	0.0	4.1	134	98.3	82.4	116.5	0	0.0*	0.0	2.2
	45-54 yrs	0	0.0*	0.0	2.8	49	45.1	33.4	59.7	1	0.9*	0.0	5.1
	55-64 yrs	0	0.0*	0.0	4.4	10	14.8*	7.1	27.3	0	0.0*	0.0	4.4
	65+ yrs	0	0.0*	0.0	2.8	6	5.6*	2.1	12.2	2	1.9*	0.2	6.7
	Total	8	1.0*	0.4	2.0	354	45.0	40.4	49.9	4	0.5*	0.1	1.3
2002	<1 yr	2	24.7*	3.0	89.3	4	49.4*	13.5	126.5	1	12.4*	0.3	68.8
	1-4 yrs	11	39.2*	19.6	70.2	15	53.5*	29.9	88.2	0	0.0*	0.0	10.7
	5-14 yrs	2	3.3*	0.4	12.0	18	29.9*	17.7	47.3	0	0.0*	0.0	5.0
	15-24 yrs	0	0.0*	0.0	4.1	17	23.5*	13.7	37.6	1	1.4*	0.0	7.7
	25-34 yrs	0	0.0*	0.0	1.6	80	42.3	33.5	52.6	1	0.5*	0.0	2.9
	35-44 yrs	0	0.0*	0.0	2.1	118	83.6	69.2	100.1	0	0.0*	0.0	2.1
	45-54 yrs	1	0.9*	0.0	5.1	41	37.3	26.7	50.6	0	0.0*	0.0	2.7
	55-64 yrs	0	0.0*	0.0	4.2	13	18.3*	9.8	31.4	0	0.0*	0.0	4.2
	65+ yrs	0	0.0*	0.0	2.8	5	4.6*	1.5	10.8	1	0.9*	0.0	5.1
	Total	16	2.0*	1.2	3.3	311	39.5	35.2	44.1	4	0.5*	0.1	1.3
2003	<1 yr	1	12.2*	0.3	68.1	1	12.2*	0.3	68.1	0	0.0*	0.0	36.6
	1-4 yrs	3	9.8*	2.0	28.6	16	52.3*	29.9	84.9	0	0.0*	0.0	9.8
	5-14 yrs	0	0.0*	0.0	4.9	12	19.6*	10.2	34.3	0	0.0*	0.0	4.9
	15-24 yrs	2	3.0*	0.4	10.9	14	21.1*	11.6	35.5	0	0.0*	0.0	4.5
	25-34 yrs	5	2.8*	0.9	6.6	59	33.3	25.4	43.0	1	0.6*	0.0	3.1
	35-44 yrs	1	0.7*	0.0	3.8	101	68.1	55.4	82.7	0	0.0*	0.0	2.0
	45-54 yrs	1	0.9*	0.0	5.0	28	25.0	16.6	36.1	0	0.0*	0.0	2.7
	55-64 yrs	0	0.0*	0.0	4.0	16	21.4*	12.2	34.8	0	0.0*	0.0	4.0
	65+ yrs	14	12.9*	7.0	21.6	8	7.4*	3.2	14.5	5	4.6*	1.5	10.7
	Total	27	3.4	2.3	5.0	255	32.4	28.5	36.6	6	0.8*	0.3	1.7

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

Year	Age	Legionellosis				Lyme Disease				Malaria			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1986	<1 yr	0	0.0*	0.0	31.8	0	0.0*	0.0	31.8	0	0.0*	0.0	31.8
	1-4 yrs	0	0.0*	0.0	9.2	1	3.1*	0.1	17.1	0	0.0*	0.0	9.2
	5-14 yrs	0	0.0*	0.0	4.6	0	0.0*	0.0	4.6	3	4.6*	0.9	13.4
	15-24 yrs	0	0.0*	0.0	2.6	0	0.0*	0.0	2.6	10	8.7*	4.2	16.1
	25-34 yrs	1	0.7*	0.0	3.7	0	0.0*	0.0	2.0	5	3.3*	1.1	7.7
	35-44 yrs	1	0.9*	0.0	4.8	0	0.0*	0.0	2.6	4	3.4*	0.9	8.8
	45-54 yrs	1	1.4*	0.0	8.0	0	0.0*	0.0	4.3	1	1.4*	0.0	8.0
	55-64 yrs	0	0.0*	0.0	4.2	0	0.0*	0.0	4.2	1	1.4*	0.0	7.9
	65+ yrs	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8
	Total	3	0.4*	0.1	1.2	1	0.1*	0.0	0.8	24	3.3	2.1	4.8
1987	<1 yr	0	0.0*	0.0	32.6	0	0.0*	0.0	32.6	0	0.0*	0.0	32.6
	1-4 yrs	0	0.0*	0.0	9.3	2	6.2*	0.8	22.4	1	3.1*	0.1	17.3
	5-14 yrs	0	0.0*	0.0	4.6	0	0.0*	0.0	4.6	1	1.5*	0.0	8.6
	15-24 yrs	0	0.0*	0.0	2.6	1	0.9*	0.0	4.9	2	1.8*	0.2	6.4
	25-34 yrs	1	0.7*	0.0	3.7	0	0.0*	0.0	2.0	7	4.6*	1.9	9.6
	35-44 yrs	1	0.8*	0.0	4.6	1	0.8*	0.0	4.6	1	0.8*	0.0	4.6
	45-54 yrs	0	0.0*	0.0	4.3	0	0.0*	0.0	4.3	2	2.9*	0.3	10.3
	55-64 yrs	1	1.5*	0.0	8.1	0	0.0*	0.0	4.4	0	0.0*	0.0	4.4
	65+ yrs	1	0.9*	0.0	5.2	0	0.0*	0.0	2.8	1	0.9*	0.0	5.2
	Total	4	0.5*	0.1	1.4	4	0.5*	0.1	1.4	15	2.0*	1.1	3.4
1988	<1 yr	0	0.0*	0.0	33.0	0	0.0*	0.0	33.0	0	0.0*	0.0	33.0
	1-4 yrs	0	0.0*	0.0	9.6	0	0.0*	0.0	9.6	2	6.4*	0.8	23.2
	5-14 yrs	0	0.0*	0.0	4.7	0	0.0*	0.0	4.7	4	6.3*	1.7	16.1
	15-24 yrs	0	0.0*	0.0	2.7	2	1.8*	0.2	6.6	7	6.4*	2.6	13.2
	25-34 yrs	0	0.0*	0.0	2.0	1	0.7*	0.0	3.7	2	1.3*	0.2	4.8
	35-44 yrs	0	0.0*	0.0	2.4	5	4.1*	1.3	9.5	1	0.8*	0.0	4.5
	45-54 yrs	0	0.0*	0.0	4.2	1	1.4*	0.0	7.9	0	0.0*	0.0	4.2
	55-64 yrs	0	0.0*	0.0	4.5	1	1.5*	0.0	8.4	1	1.5*	0.0	8.4
	65+ yrs	0	0.0*	0.0	2.9	1	1.0*	0.0	5.3	1	1.0*	0.0	5.3
	Total	0	0.0*	0.0	0.4	11	1.5*	0.8	2.7	18	2.5*	1.5	3.9
1989	<1 yr	0	0.0*	0.0	33.9	0	0.0*	0.0	33.9	0	0.0*	0.0	33.9
	1-4 yrs	0	0.0*	0.0	10.1	0	0.0*	0.0	10.1	0	0.0*	0.0	10.1
	5-14 yrs	0	0.0*	0.0	4.8	1	1.6*	0.0	8.9	3	4.8*	1.0	14.1
	15-24 yrs	0	0.0*	0.0	2.9	0	0.0*	0.0	2.9	14	13.4*	7.3	22.5
	25-34 yrs	0	0.0*	0.0	1.9	4	2.6*	0.7	6.6	7	4.5*	1.8	9.3
	35-44 yrs	3	2.4*	0.5	7.0	0	0.0*	0.0	2.4	8	6.4*	2.8	12.6
	45-54 yrs	0	0.0*	0.0	4.2	1	1.4*	0.0	7.8	2	2.8*	0.3	10.1
	55-64 yrs	1	1.6*	0.0	8.6	1	1.6*	0.0	8.6	2	3.1*	0.4	11.2
	65+ yrs	1	1.0*	0.0	5.4	0	0.0*	0.0	2.9	1	1.0*	0.0	5.4
	Total	5	0.7*	0.2	1.6	7	1.0*	0.4	2.0	37	5.1	3.6	7.0
1990	<1 yr	0	0.0*	0.0	35.4	0	0.0*	0.0	35.4	0	0.0*	0.0	35.4
	1-4 yrs	0	0.0*	0.0	10.5	0	0.0*	0.0	10.5	0	0.0*	0.0	10.5
	5-14 yrs	0	0.0*	0.0	4.7	0	0.0*	0.0	4.7	3	4.7*	1.0	13.6
	15-24 yrs	0	0.0*	0.0	2.9	1	1.0*	0.0	5.4	10	9.7*	4.7	17.8
	25-34 yrs	0	0.0*	0.0	1.9	1	0.6*	0.0	3.6	10	6.4*	3.1	11.8
	35-44 yrs	2	1.6*	0.2	5.7	0	0.0*	0.0	2.4	3	2.4*	0.5	6.9
	45-54 yrs	0	0.0*	0.0	4.1	0	0.0*	0.0	4.1	0	0.0*	0.0	4.1
	55-64 yrs	1	1.6*	0.0	8.9	0	0.0*	0.0	4.8	0	0.0*	0.0	4.8
	65+ yrs	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0	1	1.0*	0.0	5.6
	Total	3	0.4*	0.1	1.2	2	0.3*	0.0	1.0	27	3.7	2.5	5.4

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

APPENDIX C1: Frequency and Unadjusted Rates for 21 Selected Diseases by Age, San Francisco, 1986-2003

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Year	Age	Legionellosis				Lyme Disease				Malaria			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1991	<1 yr	0	0.0*	0.0	31.5	0	0.0*	0.0	31.5	0	0.0*	0.0	31.5
	1-4 yrs	0	0.0*	0.0	10.1	1	3.4*	0.1	18.8	0	0.0*	0.0	10.1
	5-14 yrs	0	0.0*	0.0	4.6	1	1.5*	0.0	8.5	1	1.5*	0.0	8.5
	15-24 yrs	0	0.0*	0.0	2.9	0	0.0*	0.0	2.9	0	0.0*	0.0	2.9
	25-34 yrs	1	0.7*	0.0	3.7	2	1.3*	0.2	4.7	2	1.3*	0.2	4.7
	35-44 yrs	1	0.8*	0.0	4.3	0	0.0*	0.0	2.3	2	1.5*	0.2	5.6
	45-54 yrs	2	2.6*	0.3	9.6	0	0.0*	0.0	4.0	1	1.3*	0.0	7.4
	55-64 yrs	1	1.6*	0.0	9.2	0	0.0*	0.0	4.9	0	0.0*	0.0	4.9
	65+ yrs	3	3.0*	0.6	8.8	0	0.0*	0.0	3.0	2	2.0*	0.2	7.2
	Total	8	1.1*	0.5	2.2	4	0.6*	0.1	1.4	8	1.1*	0.5	2.2
1992	<1 yr	0	0.0*	0.0	15.5	0	0.0*	0.0	15.5	0	0.0*	0.0	15.5
	1-4 yrs	0	0.0*	0.0	9.8	0	0.0*	0.0	9.8	1	3.3*	0.1	18.3
	5-14 yrs	0	0.0*	0.0	4.6	0	0.0*	0.0	4.6	0	0.0*	0.0	4.6
	15-24 yrs	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8	4	3.7*	1.0	9.6
	25-34 yrs	1	0.7*	0.0	3.7	0	0.0*	0.0	2.0	6	4.0*	1.5	8.8
	35-44 yrs	0	0.0*	0.0	2.3	1	0.8*	0.0	4.4	3	2.3*	0.5	6.9
	45-54 yrs	1	1.3*	0.0	7.1	0	0.0*	0.0	3.8	1	1.3*	0.0	7.1
	55-64 yrs	0	0.0*	0.0	5.1	1	1.7*	0.0	9.4	0	0.0*	0.0	5.1
	65+ yrs	0	0.0*	0.0	3.1	1	1.0*	0.0	5.8	0	0.0*	0.0	3.1
	Total	2	0.3*	0.0	1.0	3	0.4*	0.1	1.2	15	2.1*	1.1	3.4
1993	<1 yr	0	0.0*	0.0	33.2	0	0.0*	0.0	33.2	0	0.0*	0.0	33.2
	1-4 yrs	0	0.0*	0.0	7.3	0	0.0*	0.0	7.3	0	0.0*	0.0	7.3
	5-14 yrs	0	0.0*	0.0	4.6	0	0.0*	0.0	4.6	2	3.1*	0.4	11.1
	15-24 yrs	0	0.0*	0.0	2.7	0	0.0*	0.0	2.7	1	0.9*	0.0	5.0
	25-34 yrs	0	0.0*	0.0	2.0	1	0.7*	0.0	3.7	5	3.4*	1.1	7.8
	35-44 yrs	1	0.8*	0.0	4.3	0	0.0*	0.0	2.3	3	2.3*	0.5	6.8
	45-54 yrs	0	0.0*	0.0	3.6	0	0.0*	0.0	3.6	1	1.2*	0.0	6.8
	55-64 yrs	2	3.4*	0.4	12.2	1	1.7*	0.0	9.4	0	0.0*	0.0	5.1
	65+ yrs	3	3.1*	0.6	9.0	0	0.0*	0.0	3.1	1	1.0*	0.0	5.7
	Total	6	0.8*	0.3	1.8	2	0.3*	0.0	1.0	13	1.7*	0.9	3.0
1994	<1 yr	0	0.0*	0.0	36.0	0	0.0*	0.0	36.0	0	0.0*	0.0	36.0
	1-4 yrs	0	0.0*	0.0	7.6	0	0.0*	0.0	7.6	0	0.0*	0.0	7.6
	5-14 yrs	0	0.0*	0.0	4.6	0	0.0*	0.0	4.6	1	1.5*	0.0	8.6
	15-24 yrs	0	0.0*	0.0	2.6	1	0.9*	0.0	4.9	0	0.0*	0.0	2.6
	25-34 yrs	0	0.0*	0.0	2.0	0	0.0*	0.0	2.0	9	6.1*	2.8	11.6
	35-44 yrs	1	0.8*	0.0	4.4	0	0.0*	0.0	2.4	3	2.4*	0.5	6.9
	45-54 yrs	1	1.2*	0.0	6.5	0	0.0*	0.0	3.5	1	1.2*	0.0	6.5
	55-64 yrs	0	0.0*	0.0	5.1	0	0.0*	0.0	5.1	0	0.0*	0.0	5.1
	65+ yrs	0	0.0*	0.0	3.1	0	0.0*	0.0	3.1	0	0.0*	0.0	3.1
	Total	2	0.3*	0.0	1.0	1	0.1*	0.0	0.7	14	1.9*	1.0	3.2
1995	<1 yr	0	0.0*	0.0	36.7	0	0.0*	0.0	36.7	0	0.0*	0.0	36.7
	1-4 yrs	0	0.0*	0.0	8.2	0	0.0*	0.0	8.2	0	0.0*	0.0	8.2
	5-14 yrs	0	0.0*	0.0	4.7	0	0.0*	0.0	4.7	1	1.6*	0.0	8.7
	15-24 yrs	0	0.0*	0.0	2.7	0	0.0*	0.0	2.7	2	1.8*	0.2	6.4
	25-34 yrs	1	0.7*	0.0	3.7	0	0.0*	0.0	2.0	6	4.0*	1.5	8.8
	35-44 yrs	0	0.0*	0.0	2.4	1	0.8*	0.0	4.5	3	2.4*	0.5	7.0
	45-54 yrs	1	1.1*	0.0	6.3	0	0.0*	0.0	3.4	3	3.4*	0.7	9.8
	55-64 yrs	0	0.0*	0.0	5.1	0	0.0*	0.0	5.1	0	0.0*	0.0	5.1
	65+ yrs	0	0.0*	0.0	3.1	0	0.0*	0.0	3.1	1	1.0*	0.0	5.7
	Total	2	0.3*	0.0	1.0	1	0.1*	0.0	0.8	16	2.2*	1.2	3.5

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

APPENDIX C1: Frequency and Unadjusted Rates for 21 Selected Diseases by Age, San Francisco, 1986-2003

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Year	Age	Legionellosis				Lyme Disease				Malaria			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1996	<1 yr	0	0.0*	0.0	38.7	0	0.0*	0.0	38.7	0	0.0*	0.0	38.7
	1-4 yrs	0	0.0*	0.0	8.9	0	0.0*	0.0	8.9	1	3.0*	0.1	16.5
	5-14 yrs	0	0.0*	0.0	4.7	0	0.0*	0.0	4.7	1	1.6*	0.0	8.8
	15-24 yrs	0	0.0*	0.0	2.7	1	0.9*	0.0	5.0	2	1.8*	0.2	6.5
	25-34 yrs	0	0.0*	0.0	1.9	0	0.0*	0.0	1.9	4	2.6*	0.7	6.6
	35-44 yrs	1	0.8*	0.0	4.5	1	0.8*	0.0	4.5	4	3.2*	0.9	8.2
	45-54 yrs	1	1.1*	0.0	6.0	1	1.1*	0.0	6.0	2	2.2*	0.3	7.8
	55-64 yrs	0	0.0*	0.0	5.1	0	0.0*	0.0	5.1	1	1.7*	0.0	9.5
	65+ yrs	0	0.0*	0.0	3.1	1	1.0*	0.0	5.7	0	0.0*	0.0	3.1
	Total	2	0.3*	0.0	1.0	4	0.5*	0.1	1.4	15	2.0*	1.1	3.3
1997	<1 yr	0	0.0*	0.0	39.8	0	0.0*	0.0	39.8	0	0.0*	0.0	39.8
	1-4 yrs	0	0.0*	0.0	10.7	0	0.0*	0.0	10.7	0	0.0*	0.0	10.7
	5-14 yrs	0	0.0*	0.0	4.5	0	0.0*	0.0	4.5	0	0.0*	0.0	4.5
	15-24 yrs	0	0.0*	0.0	2.7	0	0.0*	0.0	2.7	3	2.7*	0.6	8.0
	25-34 yrs	0	0.0*	0.0	1.9	0	0.0*	0.0	1.9	5	3.1*	1.0	7.2
	35-44 yrs	0	0.0*	0.0	2.4	0	0.0*	0.0	2.4	3	2.4*	0.5	7.0
	45-54 yrs	0	0.0*	0.0	3.1	1	1.0*	0.0	5.8	3	3.1*	0.6	9.1
	55-64 yrs	0	0.0*	0.0	5.0	0	0.0*	0.0	5.0	1	1.7*	0.0	9.4
	65+ yrs	0	0.0*	0.0	3.1	0	0.0*	0.0	3.1	0	0.0*	0.0	3.1
	Total	0	0.0*	0.0	0.4	1	0.1*	0.0	0.7	15	2.0*	1.1	3.3
1998	<1 yr	0	0.0*	0.0	43.6	0	0.0*	0.0	43.6	0	0.0*	0.0	43.6
	1-4 yrs	0	0.0*	0.0	11.4	0	0.0*	0.0	11.4	1	3.8*	0.1	21.2
	5-14 yrs	0	0.0*	0.0	4.7	2	3.1*	0.4	11.3	0	0.0*	0.0	4.7
	15-24 yrs	0	0.0*	0.0	2.8	1	0.9*	0.0	5.3	6	5.7*	2.1	12.3
	25-34 yrs	0	0.0*	0.0	1.8	1	0.6*	0.0	3.3	5	2.9*	1.0	6.8
	35-44 yrs	1	0.8*	0.0	4.4	0	0.0*	0.0	2.4	0	0.0*	0.0	2.4
	45-54 yrs	0	0.0*	0.0	3.0	1	1.0*	0.0	5.6	1	1.0*	0.0	5.6
	55-64 yrs	2	3.3*	0.4	11.9	1	1.6*	0.0	9.2	1	1.6*	0.0	9.2
	65+ yrs	1	1.0*	0.0	5.6	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0
	Total	4	0.5*	0.1	1.4	6	0.8*	0.3	1.7	14	1.8*	1.0	3.1
1999	<1 yr	0	0.0*	0.0	44.2	0	0.0*	0.0	44.2	0	0.0*	0.0	44.2
	1-4 yrs	0	0.0*	0.0	12.0	0	0.0*	0.0	12.0	1	4.0*	0.1	22.3
	5-14 yrs	0	0.0*	0.0	4.8	0	0.0*	0.0	4.8	1	1.6*	0.0	8.9
	15-24 yrs	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0	4	4.0*	1.1	10.3
	25-34 yrs	0	0.0*	0.0	1.7	0	0.0*	0.0	1.7	3	1.7*	0.3	5.0
	35-44 yrs	0	0.0*	0.0	2.3	1	0.8*	0.0	4.3	4	3.1*	0.8	8.0
	45-54 yrs	0	0.0*	0.0	2.9	0	0.0*	0.0	2.9	0	0.0*	0.0	2.9
	55-64 yrs	0	0.0*	0.0	4.8	0	0.0*	0.0	4.8	2	3.2*	0.4	11.5
	65+ yrs	2	2.0*	0.2	7.1	0	0.0*	0.0	2.9	0	0.0*	0.0	2.9
	Total	2	0.3*	0.0	0.9	1	0.1*	0.0	0.7	15	2.0*	1.1	3.2
2000	<1 yr	0	0.0*	0.0	41.5	0	0.0*	0.0	41.5	0	0.0*	0.0	41.5
	1-4 yrs	0	0.0*	0.0	12.4	0	0.0*	0.0	12.4	0	0.0*	0.0	12.4
	5-14 yrs	0	0.0*	0.0	5.0	0	0.0*	0.0	5.0	2	3.3*	0.4	12.0
	15-24 yrs	1	1.1*	0.0	6.2	0	0.0*	0.0	3.3	2	2.2*	0.3	8.0
	25-34 yrs	0	0.0*	0.0	1.6	0	0.0*	0.0	1.6	7	3.7*	1.5	7.7
	35-44 yrs	1	0.8*	0.0	4.2	0	0.0*	0.0	2.3	3	2.3*	0.5	6.6
	45-54 yrs	0	0.0*	0.0	2.8	1	0.9*	0.0	5.2	1	0.9*	0.0	5.2
	55-64 yrs	0	0.0*	0.0	4.6	1	1.5*	0.0	8.5	0	0.0*	0.0	4.6
	65+ yrs	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8
	Total	2	0.3*	0.0	0.9	2	0.3*	0.0	0.9	15	1.9*	1.1	3.2

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

Year	Age	Legionellosis			Lyme Disease			Malaria					
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
2001	<1 yr	0	0.0*	0.0	35.6	0	0.0*	0.0	35.6	0	0.0*	0.0	35.6
	1-4 yrs	0	0.0*	0.0	11.8	0	0.0*	0.0	11.8	0	0.0*	0.0	11.8
	5-14 yrs	0	0.0*	0.0	5.0	0	0.0*	0.0	5.0	1	1.7*	0.0	9.4
	15-24 yrs	0	0.0*	0.0	3.7	0	0.0*	0.0	3.7	4	4.9*	1.3	12.6
	25-34 yrs	0	0.0*	0.0	1.6	1	0.5*	0.0	2.9	4	2.1*	0.6	5.3
	35-44 yrs	0	0.0*	0.0	2.2	1	0.7*	0.0	4.1	1	0.7*	0.0	4.1
	45-54 yrs	1	0.9*	0.0	5.1	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8
	55-64 yrs	0	0.0*	0.0	4.4	0	0.0*	0.0	4.4	1	1.5*	0.0	8.3
	65+ yrs	1	0.9*	0.0	5.2	1	0.9*	0.0	5.2	0	0.0*	0.0	2.8
	Total	2	0.3*	0.0	0.9	3	0.4*	0.1	1.1	11	1.4*	0.7	2.5
2002	<1 yr	0	0.0*	0.0	37.0	0	0.0*	0.0	37.0	0	0.0*	0.0	37.0
	1-4 yrs	0	0.0*	0.0	10.7	0	0.0*	0.0	10.7	0	0.0*	0.0	10.7
	5-14 yrs	0	0.0*	0.0	5.0	0	0.0*	0.0	5.0	0	0.0*	0.0	5.0
	15-24 yrs	0	0.0*	0.0	4.1	0	0.0*	0.0	4.1	1	1.4*	0.0	7.7
	25-34 yrs	0	0.0*	0.0	1.6	0	0.0*	0.0	1.6	6	3.2*	1.2	6.9
	35-44 yrs	0	0.0*	0.0	2.1	3	2.1*	0.4	6.2	0	0.0*	0.0	2.1
	45-54 yrs	0	0.0*	0.0	2.7	0	0.0*	0.0	2.7	1	0.9*	0.0	5.1
	55-64 yrs	0	0.0*	0.0	4.2	0	0.0*	0.0	4.2	1	1.4*	0.0	7.9
	65+ yrs	1	0.9*	0.0	5.1	0	0.0*	0.0	2.8	1	0.9*	0.0	5.1
	Total	1	0.1*	0.0	0.7	3	0.4*	0.1	1.1	10	1.3*	0.6	2.3
2003	<1 yr	0	0.0*	0.0	36.6	0	0.0*	0.0	36.6	0	0.0*	0.0	36.6
	1-4 yrs	0	0.0*	0.0	9.8	0	0.0*	0.0	9.8	0	0.0*	0.0	9.8
	5-14 yrs	0	0.0*	0.0	4.9	2	3.3*	0.4	11.8	0	0.0*	0.0	4.9
	15-24 yrs	0	0.0*	0.0	4.5	0	0.0*	0.0	4.5	0	0.0*	0.0	4.5
	25-34 yrs	0	0.0*	0.0	1.7	3	1.7*	0.3	4.9	3	1.7*	0.3	4.9
	35-44 yrs	0	0.0*	0.0	2.0	1	0.7*	0.0	3.8	1	0.7*	0.0	3.8
	45-54 yrs	0	0.0*	0.0	2.7	0	0.0*	0.0	2.7	3	2.7*	0.6	7.8
	55-64 yrs	0	0.0*	0.0	4.0	0	0.0*	0.0	4.0	0	0.0*	0.0	4.0
	65+ yrs	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8
	Total	0	0.0*	0.0	0.4	6	0.8*	0.3	1.7	7	0.9*	0.4	1.8

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

APPENDIX C1: Frequency and Unadjusted Rates for 21 Selected Diseases by Age, San Francisco, 1986-2003

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Year	Age	Measles			Meningococcal Disease						Mumps		
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1986	<1 yr	0	0.0*	0.0	31.8	2	21.2*	2.6	76.7	0	0.0*	0.0	31.8
	1-4 yrs	1	3.1*	0.1	17.1	0	0.0*	0.0	9.2	2	6.2*	0.7	22.2
	5-14 yrs	0	0.0*	0.0	4.6	3	4.6*	0.9	13.4	3	4.6*	0.9	13.4
	15-24 yrs	0	0.0*	0.0	2.6	0	0.0*	0.0	2.6	0	0.0*	0.0	2.6
	25-34 yrs	0	0.0*	0.0	2.0	1	0.7*	0.0	3.7	0	0.0*	0.0	2.0
	35-44 yrs	1	0.9*	0.0	4.8	2	1.7*	0.2	6.2	0	0.0*	0.0	2.6
	45-54 yrs	0	0.0*	0.0	4.3	0	0.0*	0.0	4.3	0	0.0*	0.0	4.3
	55-64 yrs	0	0.0*	0.0	4.2	0	0.0*	0.0	4.2	0	0.0*	0.0	4.2
	65+ yrs	0	0.0*	0.0	2.8	1	0.9*	0.0	5.2	1	0.9*	0.0	5.2
	Total	2	0.3*	0.0	1.0	9	1.2*	0.6	2.3	6	0.8*	0.3	1.8
1987	<1 yr	1	10.9*	0.3	60.7	1	10.9*	0.3	60.7	0	0.0*	0.0	32.6
	1-4 yrs	8	24.9*	10.7	49.0	2	6.2*	0.8	22.4	2	6.2*	0.8	22.4
	5-14 yrs	3	4.6*	1.0	13.5	0	0.0*	0.0	4.6	1	1.5*	0.0	8.6
	15-24 yrs	0	0.0*	0.0	2.6	1	0.9*	0.0	4.9	0	0.0*	0.0	2.6
	25-34 yrs	0	0.0*	0.0	2.0	0	0.0*	0.0	2.0	2	1.3*	0.2	4.8
	35-44 yrs	0	0.0*	0.0	2.5	0	0.0*	0.0	2.5	1	0.8*	0.0	4.6
	45-54 yrs	0	0.0*	0.0	4.3	0	0.0*	0.0	4.3	0	0.0*	0.0	4.3
	55-64 yrs	0	0.0*	0.0	4.4	0	0.0*	0.0	4.4	0	0.0*	0.0	4.4
	65+ yrs	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8
	Total	12	1.6*	0.8	2.8	4	0.5*	0.1	1.4	6	0.8*	0.3	1.8
1988	<1 yr	0	0.0*	0.0	33.0	0	0.0*	0.0	33.0	0	0.0*	0.0	33.0
	1-4 yrs	1	3.2*	0.1	17.9	0	0.0*	0.0	9.6	0	0.0*	0.0	9.6
	5-14 yrs	1	1.6*	0.0	8.8	2	3.1*	0.4	11.4	4	6.3*	1.7	16.1
	15-24 yrs	0	0.0*	0.0	2.7	0	0.0*	0.0	2.7	0	0.0*	0.0	2.7
	25-34 yrs	1	0.7*	0.0	3.7	0	0.0*	0.0	2.0	0	0.0*	0.0	2.0
	35-44 yrs	0	0.0*	0.0	2.4	1	0.8*	0.0	4.5	1	0.8*	0.0	4.5
	45-54 yrs	0	0.0*	0.0	4.2	0	0.0*	0.0	4.2	0	0.0*	0.0	4.2
	55-64 yrs	0	0.0*	0.0	4.5	0	0.0*	0.0	4.5	0	0.0*	0.0	4.5
	65+ yrs	0	0.0*	0.0	2.9	0	0.0*	0.0	2.9	0	0.0*	0.0	2.9
	Total	3	0.4*	0.1	1.2	3	0.4*	0.1	1.2	5	0.7*	0.2	1.6
1989	<1 yr	3	33.9*	7.0	99.2	5	56.6*	18.4	132.0	0	0.0*	0.0	33.9
	1-4 yrs	2	6.7*	0.8	24.3	2	6.7*	0.8	24.3	0	0.0*	0.0	10.1
	5-14 yrs	2	3.2*	0.4	11.6	1	1.6*	0.0	8.9	0	0.0*	0.0	4.8
	15-24 yrs	0	0.0*	0.0	2.9	1	1.0*	0.0	5.3	1	1.0*	0.0	5.3
	25-34 yrs	1	0.6*	0.0	3.6	0	0.0*	0.0	1.9	0	0.0*	0.0	1.9
	35-44 yrs	1	0.8*	0.0	4.5	1	0.8*	0.0	4.5	0	0.0*	0.0	2.4
	45-54 yrs	0	0.0*	0.0	4.2	1	1.4*	0.0	7.8	0	0.0*	0.0	4.2
	55-64 yrs	0	0.0*	0.0	4.6	1	1.6*	0.0	8.6	0	0.0*	0.0	4.6
	65+ yrs	0	0.0*	0.0	2.9	1	1.0*	0.0	5.4	0	0.0*	0.0	2.9
	Total	9	1.2*	0.6	2.4	13	1.8*	1.0	3.1	1	0.1*	0.0	0.8
1990	<1 yr	6	70.9*	26.0	154.4	2	23.6*	2.9	85.4	0	0.0*	0.0	35.4
	1-4 yrs	9	31.5*	14.4	59.9	1	3.5*	0.1	19.5	1	3.5*	0.1	19.5
	5-14 yrs	2	3.1*	0.4	11.2	1	1.6*	0.0	8.7	0	0.0*	0.0	4.7
	15-24 yrs	3	2.9*	0.6	8.5	1	1.0*	0.0	5.4	3	2.9*	0.6	8.5
	25-34 yrs	16	10.3*	5.9	16.7	1	0.6*	0.0	3.6	1	0.6*	0.0	3.6
	35-44 yrs	1	0.8*	0.0	4.4	1	0.8*	0.0	4.4	1	0.8*	0.0	4.4
	45-54 yrs	0	0.0*	0.0	4.1	1	1.4*	0.0	7.6	0	0.0*	0.0	4.1
	55-64 yrs	0	0.0*	0.0	4.8	0	0.0*	0.0	4.8	0	0.0*	0.0	4.8
	65+ yrs	0	0.0*	0.0	3.0	3	3.0*	0.6	8.8	0	0.0*	0.0	3.0
	Total	37	5.1	3.6	7.1	11	1.5*	0.8	2.7	6	0.8*	0.3	1.8

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

Year	Age	Measles			Meningococcal Disease						Mumps		
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1991	<1 yr	0	0.0*	0.0	31.5	1	10.5*	0.3	58.5	0	0.0*	0.0	31.5
	1-4 yrs	1	3.4*	0.1	18.8	1	3.4*	0.1	18.8	1	3.4*	0.1	18.8
	5-14 yrs	0	0.0*	0.0	4.6	0	0.0*	0.0	4.6	2	3.1*	0.4	11.0
	15-24 yrs	1	1.0*	0.0	5.4	0	0.0*	0.0	2.9	2	1.9*	0.2	7.0
	25-34 yrs	1	0.7*	0.0	3.7	0	0.0*	0.0	2.0	0	0.0*	0.0	2.0
	35-44 yrs	0	0.0*	0.0	2.3	1	0.8*	0.0	4.3	0	0.0*	0.0	2.3
	45-54 yrs	0	0.0*	0.0	4.0	0	0.0*	0.0	4.0	0	0.0*	0.0	4.0
	55-64 yrs	0	0.0*	0.0	4.9	1	1.6*	0.0	9.2	0	0.0*	0.0	4.9
	65+ yrs	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0
	Total	3	0.4*	0.1	1.2	4	0.6*	0.1	1.4	5	0.7*	0.2	1.6
1992	<1 yr	0	0.0*	0.0	15.5	2	10.4*	1.3	37.4	1	5.2*	0.1	28.9
	1-4 yrs	0	0.0*	0.0	9.8	0	0.0*	0.0	9.8	1	3.3*	0.1	18.3
	5-14 yrs	0	0.0*	0.0	4.6	0	0.0*	0.0	4.6	1	1.6*	0.0	8.6
	15-24 yrs	1	0.9*	0.0	5.2	2	1.9*	0.2	6.8	0	0.0*	0.0	2.8
	25-34 yrs	0	0.0*	0.0	2.0	1	0.7*	0.0	3.7	0	0.0*	0.0	2.0
	35-44 yrs	0	0.0*	0.0	2.3	0	0.0*	0.0	2.3	0	0.0*	0.0	2.3
	45-54 yrs	0	0.0*	0.0	3.8	1	1.3*	0.0	7.1	0	0.0*	0.0	3.8
	55-64 yrs	0	0.0*	0.0	5.1	0	0.0*	0.0	5.1	0	0.0*	0.0	5.1
	65+ yrs	0	0.0*	0.0	3.1	2	2.1*	0.3	7.5	0	0.0*	0.0	3.1
	Total	1	0.1*	0.0	0.8	8	1.1*	0.5	2.2	3	0.4*	0.1	1.2
1993	<1 yr	0	0.0*	0.0	33.2	0	0.0*	0.0	33.2	0	0.0*	0.0	33.2
	1-4 yrs	0	0.0*	0.0	7.3	1	2.5*	0.1	13.7	1	2.5*	0.1	13.7
	5-14 yrs	0	0.0*	0.0	4.6	0	0.0*	0.0	4.6	0	0.0*	0.0	4.6
	15-24 yrs	1	0.9*	0.0	5.0	4	3.6*	1.0	9.1	0	0.0*	0.0	2.7
	25-34 yrs	1	0.7*	0.0	3.7	0	0.0*	0.0	2.0	0	0.0*	0.0	2.0
	35-44 yrs	2	1.5*	0.2	5.6	0	0.0*	0.0	2.3	1	0.8*	0.0	4.3
	45-54 yrs	0	0.0*	0.0	3.6	0	0.0*	0.0	3.6	0	0.0*	0.0	3.6
	55-64 yrs	0	0.0*	0.0	5.1	0	0.0*	0.0	5.1	0	0.0*	0.0	5.1
	65+ yrs	0	0.0*	0.0	3.1	0	0.0*	0.0	3.1	0	0.0*	0.0	3.1
	Total	4	0.5*	0.1	1.4	5	0.7*	0.2	1.6	2	0.3*	0.0	1.0
1994	<1 yr	0	0.0*	0.0	36.0	5	60.1*	19.5	140.2	0	0.0*	0.0	36.0
	1-4 yrs	0	0.0*	0.0	7.6	1	2.5*	0.1	14.2	0	0.0*	0.0	7.6
	5-14 yrs	2	3.1*	0.4	11.2	1	1.5*	0.0	8.6	0	0.0*	0.0	4.6
	15-24 yrs	0	0.0*	0.0	2.6	1	0.9*	0.0	4.9	0	0.0*	0.0	2.6
	25-34 yrs	0	0.0*	0.0	2.0	3	2.0*	0.4	5.9	2	1.4*	0.2	4.9
	35-44 yrs	0	0.0*	0.0	2.4	1	0.8*	0.0	4.4	3	2.4*	0.5	6.9
	45-54 yrs	0	0.0*	0.0	3.5	4	4.7*	1.3	12.0	0	0.0*	0.0	3.5
	55-64 yrs	0	0.0*	0.0	5.1	0	0.0*	0.0	5.1	0	0.0*	0.0	5.1
	65+ yrs	0	0.0*	0.0	3.1	1	1.0*	0.0	5.7	0	0.0*	0.0	3.1
	Total	2	0.3*	0.0	1.0	17	2.3*	1.3	3.7	5	0.7*	0.2	1.6
1995	<1 yr	0	0.0*	0.0	36.7	1	12.2*	0.3	68.2	0	0.0*	0.0	36.7
	1-4 yrs	1	2.7*	0.1	15.3	2	5.5*	0.7	19.8	0	0.0*	0.0	8.2
	5-14 yrs	0	0.0*	0.0	4.7	2	3.1*	0.4	11.3	1	1.6*	0.0	8.7
	15-24 yrs	0	0.0*	0.0	2.7	2	1.8*	0.2	6.4	0	0.0*	0.0	2.7
	25-34 yrs	1	0.7*	0.0	3.7	1	0.7*	0.0	3.7	1	0.7*	0.0	3.7
	35-44 yrs	0	0.0*	0.0	2.4	3	2.4*	0.5	7.0	0	0.0*	0.0	2.4
	45-54 yrs	0	0.0*	0.0	3.4	0	0.0*	0.0	3.4	0	0.0*	0.0	3.4
	55-64 yrs	0	0.0*	0.0	5.1	1	1.7*	0.0	9.5	0	0.0*	0.0	5.1
	65+ yrs	0	0.0*	0.0	3.1	2	2.1*	0.2	7.4	0	0.0*	0.0	3.1
	Total	2	0.3*	0.0	1.0	14	1.9*	1.0	3.2	2	0.3*	0.0	1.0

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

APPENDIX C1: Frequency and Unadjusted Rates for 21 Selected Diseases by Age, San Francisco, 1986-2003

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Year	Age	Measles			Meningococcal Disease						Mumps		
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1996	<1 yr	0	0.0*	0.0	38.7	3	38.7*	8.0	113.1	0	0.0*	0.0	38.7
	1-4 yrs	1	3.0*	0.1	16.5	0	0.0*	0.0	8.9	0	0.0*	0.0	8.9
	5-14 yrs	0	0.0*	0.0	4.7	1	1.6*	0.0	8.8	0	0.0*	0.0	4.7
	15-24 yrs	0	0.0*	0.0	2.7	2	1.8*	0.2	6.5	0	0.0*	0.0	2.7
	25-34 yrs	0	0.0*	0.0	1.9	4	2.6*	0.7	6.6	0	0.0*	0.0	1.9
	35-44 yrs	1	0.8*	0.0	4.5	3	2.4*	0.5	7.0	1	0.8*	0.0	4.5
	45-54 yrs	0	0.0*	0.0	3.2	2	2.2*	0.3	7.8	0	0.0*	0.0	3.2
	55-64 yrs	0	0.0*	0.0	5.1	3	5.1*	1.1	15.0	0	0.0*	0.0	5.1
	65+ yrs	0	0.0*	0.0	3.1	1	1.0*	0.0	5.7	0	0.0*	0.0	3.1
	Total	2	0.3*	0.0	1.0	19	2.6*	1.5	4.0	1	0.1*	0.0	0.7
1997	<1 yr	0	0.0*	0.0	39.8	0	0.0*	0.0	39.8	0	0.0*	0.0	39.8
	1-4 yrs	0	0.0*	0.0	10.7	1	3.6*	0.1	20.0	2	7.2*	0.9	25.9
	5-14 yrs	0	0.0*	0.0	4.5	0	0.0*	0.0	4.5	0	0.0*	0.0	4.5
	15-24 yrs	0	0.0*	0.0	2.7	5	4.6*	1.5	10.7	0	0.0*	0.0	2.7
	25-34 yrs	0	0.0*	0.0	1.9	2	1.2*	0.2	4.5	2	1.2*	0.2	4.5
	35-44 yrs	1	0.8*	0.0	4.5	1	0.8*	0.0	4.5	0	0.0*	0.0	2.4
	45-54 yrs	0	0.0*	0.0	3.1	1	1.0*	0.0	5.8	0	0.0*	0.0	3.1
	55-64 yrs	0	0.0*	0.0	5.0	0	0.0*	0.0	5.0	0	0.0*	0.0	5.0
	65+ yrs	0	0.0*	0.0	3.1	1	1.0*	0.0	5.7	0	0.0*	0.0	3.1
	Total	1	0.1*	0.0	0.7	11	1.5*	0.7	2.6	4	0.5*	0.1	1.4
1998	<1 yr	0	0.0*	0.0	43.6	0	0.0*	0.0	43.6	0	0.0*	0.0	43.6
	1-4 yrs	0	0.0*	0.0	11.4	0	0.0*	0.0	11.4	2	7.6*	0.9	27.5
	5-14 yrs	0	0.0*	0.0	4.7	3	4.7*	1.0	13.7	1	1.6*	0.0	8.7
	15-24 yrs	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8
	25-34 yrs	1	0.6*	0.0	3.3	1	0.6*	0.0	3.3	0	0.0*	0.0	1.8
	35-44 yrs	0	0.0*	0.0	2.4	0	0.0*	0.0	2.4	0	0.0*	0.0	2.4
	45-54 yrs	0	0.0*	0.0	3.0	3	3.0*	0.6	8.8	0	0.0*	0.0	3.0
	55-64 yrs	0	0.0*	0.0	4.9	0	0.0*	0.0	4.9	0	0.0*	0.0	4.9
	65+ yrs	0	0.0*	0.0	3.0	2	2.0*	0.2	7.3	0	0.0*	0.0	3.0
	Total	1	0.1*	0.0	0.7	9	1.2*	0.5	2.3	3	0.4*	0.1	1.2
1999	<1 yr	0	0.0*	0.0	44.2	0	0.0*	0.0	44.2	0	0.0*	0.0	44.2
	1-4 yrs	0	0.0*	0.0	12.0	1	4.0*	0.1	22.3	0	0.0*	0.0	12.0
	5-14 yrs	0	0.0*	0.0	4.8	0	0.0*	0.0	4.8	0	0.0*	0.0	4.8
	15-24 yrs	0	0.0*	0.0	3.0	1	1.0*	0.0	5.6	1	1.0*	0.0	5.6
	25-34 yrs	0	0.0*	0.0	1.7	2	1.1*	0.1	4.1	0	0.0*	0.0	1.7
	35-44 yrs	0	0.0*	0.0	2.3	7	5.4*	2.2	11.2	0	0.0*	0.0	2.3
	45-54 yrs	0	0.0*	0.0	2.9	1	1.0*	0.0	5.4	0	0.0*	0.0	2.9
	55-64 yrs	0	0.0*	0.0	4.8	0	0.0*	0.0	4.8	0	0.0*	0.0	4.8
	65+ yrs	0	0.0*	0.0	2.9	3	2.9*	0.6	8.6	0	0.0*	0.0	2.9
	Total	0	0.0*	0.0	0.4	15	2.0*	1.1	3.2	1	0.1*	0.0	0.7
2000	<1 yr	0	0.0*	0.0	41.5	0	0.0*	0.0	41.5	0	0.0*	0.0	41.5
	1-4 yrs	0	0.0*	0.0	12.4	1	4.1*	0.1	23.1	0	0.0*	0.0	12.4
	5-14 yrs	0	0.0*	0.0	5.0	1	1.7*	0.0	9.2	0	0.0*	0.0	5.0
	15-24 yrs	0	0.0*	0.0	3.3	3	3.3*	0.7	9.8	1	1.1*	0.0	6.2
	25-34 yrs	0	0.0*	0.0	1.6	3	1.6*	0.3	4.7	1	0.5*	0.0	3.0
	35-44 yrs	0	0.0*	0.0	2.3	1	0.8*	0.0	4.2	1	0.8*	0.0	4.2
	45-54 yrs	0	0.0*	0.0	2.8	2	1.9*	0.2	6.8	0	0.0*	0.0	2.8
	55-64 yrs	0	0.0*	0.0	4.6	1	1.5*	0.0	8.5	0	0.0*	0.0	4.6
	65+ yrs	0	0.0*	0.0	2.8	1	0.9*	0.0	5.2	0	0.0*	0.0	2.8
	Total	0	0.0*	0.0	0.4	13	1.7*	0.9	2.8	3	0.4*	0.1	1.1

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

Year	Age	Measles			Meningococcal Disease						Mumps		
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
2001	<1 yr	0	0.0*	0.0	35.6	0	0.0*	0.0	35.6	0	0.0*	0.0	35.6
	1-4 yrs	0	0.0*	0.0	11.8	2	7.9*	1.0	28.6	0	0.0*	0.0	11.8
	5-14 yrs	0	0.0*	0.0	5.0	0	0.0*	0.0	5.0	0	0.0*	0.0	5.0
	15-24 yrs	4	4.9*	1.3	12.6	3	3.7*	0.8	10.8	0	0.0*	0.0	3.7
	25-34 yrs	6	3.1*	1.1	6.8	0	0.0*	0.0	1.6	1	0.5*	0.0	2.9
	35-44 yrs	1	0.7*	0.0	4.1	1	0.7*	0.0	4.1	0	0.0*	0.0	2.2
	45-54 yrs	0	0.0*	0.0	2.8	1	0.9*	0.0	5.1	0	0.0*	0.0	2.8
	55-64 yrs	0	0.0*	0.0	4.4	2	3.0*	0.4	10.7	0	0.0*	0.0	4.4
	65+ yrs	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8
	Total	11	1.4*	0.7	2.5	9	1.1*	0.5	2.2	1	0.1*	0.0	0.7
2002	<1 yr	0	0.0*	0.0	37.0	0	0.0*	0.0	37.0	0	0.0*	0.0	37.0
	1-4 yrs	0	0.0*	0.0	10.7	2	7.1*	0.9	25.8	0	0.0*	0.0	10.7
	5-14 yrs	0	0.0*	0.0	5.0	2	3.3*	0.4	12.0	0	0.0*	0.0	5.0
	15-24 yrs	0	0.0*	0.0	4.1	0	0.0*	0.0	4.1	0	0.0*	0.0	4.1
	25-34 yrs	2	1.1*	0.1	3.8	2	1.1*	0.1	3.8	1	0.5*	0.0	2.9
	35-44 yrs	0	0.0*	0.0	2.1	1	0.7*	0.0	3.9	0	0.0*	0.0	2.1
	45-54 yrs	0	0.0*	0.0	2.7	1	0.9*	0.0	5.1	0	0.0*	0.0	2.7
	55-64 yrs	0	0.0*	0.0	4.2	2	2.8*	0.3	10.2	0	0.0*	0.0	4.2
	65+ yrs	0	0.0*	0.0	2.8	1	0.9*	0.0	5.1	0	0.0*	0.0	2.8
	Total	2	0.3*	0.0	0.9	11	1.4*	0.7	2.5	1	0.1*	0.0	0.7
2003	<1 yr	0	0.0*	0.0	36.6	0	0.0*	0.0	36.6	0	0.0*	0.0	36.6
	1-4 yrs	0	0.0*	0.0	9.8	0	0.0*	0.0	9.8	0	0.0*	0.0	9.8
	5-14 yrs	0	0.0*	0.0	4.9	2	3.3*	0.4	11.8	0	0.0*	0.0	4.9
	15-24 yrs	0	0.0*	0.0	4.5	2	3.0*	0.4	10.9	0	0.0*	0.0	4.5
	25-34 yrs	0	0.0*	0.0	1.7	1	0.6*	0.0	3.1	0	0.0*	0.0	1.7
	35-44 yrs	0	0.0*	0.0	2.0	1	0.7*	0.0	3.8	0	0.0*	0.0	2.0
	45-54 yrs	0	0.0*	0.0	2.7	3	2.7*	0.6	7.8	0	0.0*	0.0	2.7
	55-64 yrs	0	0.0*	0.0	4.0	0	0.0*	0.0	4.0	0	0.0*	0.0	4.0
	65+ yrs	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8
	Total	0	0.0*	0.0	0.4	9	1.1*	0.5	2.2	0	0.0*	0.0	0.4

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

Year	Age	Pertussis			Salmonellosis			Shigellosis					
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1986	<1 yr	2	21.2*	2.6	76.7	23	244.3	154.9	366.6	5	53.1*	17.2	123.9
	1-4 yrs	0	0.0*	0.0	9.2	27	83.0	54.7	120.8	32	98.4	67.3	138.9
	5-14 yrs	1	1.5*	0.0	8.5	13	19.9*	10.6	34.0	18	27.5*	16.3	43.5
	15-24 yrs	0	0.0*	0.0	2.6	21	18.3	11.4	28.0	33	28.8	19.8	40.5
	25-34 yrs	0	0.0*	0.0	2.0	54	35.8	26.9	46.7	157	104.0	88.3	121.6
	35-44 yrs	0	0.0*	0.0	2.6	29	24.8	16.6	35.6	119	101.8	84.3	121.8
	45-54 yrs	0	0.0*	0.0	4.3	18	25.9*	15.3	40.9	24	34.5	22.1	51.3
	55-64 yrs	0	0.0*	0.0	4.2	3	4.2*	0.9	12.4	10	14.1*	6.8	25.9
	65+ yrs	0	0.0*	0.0	2.8	15	14.0*	7.8	23.1	10	9.3*	4.5	17.1
	Total	3	0.4*	0.1	1.2	203	27.5	23.9	31.6	408	55.3	50.1	61.0
1987	<1 yr	0	0.0*	0.0	32.6	34	370.5	256.6	517.7	4	43.6*	11.9	111.6
	1-4 yrs	0	0.0*	0.0	9.3	17	52.8*	30.8	84.6	27	83.9	55.3	122.1
	5-14 yrs	0	0.0*	0.0	4.6	16	24.7*	14.1	40.1	23	35.5	22.5	53.2
	15-24 yrs	0	0.0*	0.0	2.6	19	16.8*	10.1	26.2	26	22.9	15.0	33.6
	25-34 yrs	0	0.0*	0.0	2.0	42	27.8	20.1	37.6	137	90.8	76.2	107.3
	35-44 yrs	0	0.0*	0.0	2.5	24	19.9	12.8	29.6	115	95.4	78.8	114.5
	45-54 yrs	0	0.0*	0.0	4.3	12	17.1*	8.9	29.9	33	47.1	32.5	66.2
	55-64 yrs	0	0.0*	0.0	4.4	11	16.0*	8.0	28.7	5	7.3*	2.4	17.0
	65+ yrs	0	0.0*	0.0	2.8	11	10.3*	5.2	18.5	9	8.5*	3.9	16.1
	Total	0	0.0*	0.0	0.4	186	25.3	21.8	29.2	379	51.5	46.4	57.0
1988	<1 yr	2	22.0*	2.7	79.5	33	363.2	250.0	510.1	7	77.0*	31.0	158.7
	1-4 yrs	1	3.2*	0.1	17.9	20	64.4	39.3	99.4	38	122.3	86.5	167.8
	5-14 yrs	0	0.0*	0.0	4.7	8	12.6*	5.4	24.8	33	51.9	35.7	72.9
	15-24 yrs	0	0.0*	0.0	2.7	17	15.5*	9.0	24.9	26	23.8	15.5	34.8
	25-34 yrs	0	0.0*	0.0	2.0	37	24.4	17.2	33.6	126	83.0	69.1	98.8
	35-44 yrs	0	0.0*	0.0	2.4	31	25.2	17.1	35.8	96	78.1	63.3	95.4
	45-54 yrs	0	0.0*	0.0	4.2	17	24.0*	14.0	38.4	36	50.8	35.5	70.3
	55-64 yrs	0	0.0*	0.0	4.5	13	19.6*	10.4	33.5	9	13.6*	6.2	25.7
	65+ yrs	0	0.0*	0.0	2.9	16	15.3*	8.7	24.8	13	12.4*	6.6	21.2
	Total	3	0.4*	0.1	1.2	192	26.3	22.7	30.3	384	52.6	47.5	58.1
1989	<1 yr	4	45.2*	12.3	115.8	25	282.8	183.0	417.4	6	67.9*	24.9	147.7
	1-4 yrs	0	0.0*	0.0	10.1	20	67.3	41.1	103.9	23	77.4	49.1	116.1
	5-14 yrs	3	4.8*	1.0	14.1	19	30.5*	18.4	47.7	21	33.7	20.9	51.6
	15-24 yrs	0	0.0*	0.0	2.9	14	13.4*	7.3	22.5	25	24.0	15.5	35.4
	25-34 yrs	0	0.0*	0.0	1.9	41	26.5	19.0	35.9	122	78.8	65.4	94.1
	35-44 yrs	0	0.0*	0.0	2.4	32	25.6	17.5	36.1	103	82.4	67.3	99.9
	45-54 yrs	0	0.0*	0.0	4.2	10	13.9*	6.7	25.6	35	48.7	33.9	67.7
	55-64 yrs	0	0.0*	0.0	4.6	10	15.5*	7.4	28.5	12	18.6*	9.6	32.5
	65+ yrs	0	0.0*	0.0	2.9	12	11.6*	6.0	20.3	14	13.6*	7.4	22.7
	Total	7	1.0*	0.4	2.0	183	25.3	21.7	29.2	361	49.8	44.8	55.2
1990	<1 yr	2	23.6*	2.9	85.4	28	331.0	220.0	478.5	5	59.1*	19.2	138.0
	1-4 yrs	2	7.0*	0.8	25.3	31	108.7	73.8	154.2	45	157.7	115.1	211.1
	5-14 yrs	0	0.0*	0.0	4.7	18	28.0*	16.6	44.2	35	54.4	37.9	75.7
	15-24 yrs	0	0.0*	0.0	2.9	21	20.4	12.6	31.2	28	27.2	18.1	39.3
	25-34 yrs	0	0.0*	0.0	1.9	42	27.0	19.4	36.4	113	72.5	59.8	87.2
	35-44 yrs	0	0.0*	0.0	2.4	31	24.3	16.5	34.5	90	70.6	56.8	86.8
	45-54 yrs	0	0.0*	0.0	4.1	15	20.4*	11.4	33.6	25	33.9	22.0	50.1
	55-64 yrs	0	0.0*	0.0	4.8	11	17.7*	8.8	31.6	7	11.2*	4.5	23.2
	65+ yrs	0	0.0*	0.0	3.0	18	18.0*	10.7	28.5	14	14.0*	7.7	23.6
	Total	4	0.6*	0.2	1.4	215	29.7	25.9	34.0	362	50.1	45.0	55.5

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

APPENDIX C1: Frequency and Unadjusted Rates for 21 Selected Diseases by Age, San Francisco, 1986-2003

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Year	Age	Pertussis				Salmonellosis				Shigellosis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1991	<1 yr	2	21.0*	2.5	75.9	26	273.1	178.4	400.2	2	21.0*	2.5	75.9
	1-4 yrs	0	0.0*	0.0	10.1	20	67.5	41.2	104.3	34	114.8	79.5	160.4
	5-14 yrs	0	0.0*	0.0	4.6	14	21.4*	11.7	35.8	32	48.8	33.4	68.9
	15-24 yrs	0	0.0*	0.0	2.9	14	13.5*	7.4	22.7	19	18.4*	11.1	28.7
	25-34 yrs	2	1.3*	0.2	4.7	35	23.0	16.0	31.9	89	58.4	46.9	71.8
	35-44 yrs	0	0.0*	0.0	2.3	31	23.9	16.3	34.0	59	45.6	34.7	58.8
	45-54 yrs	0	0.0*	0.0	4.0	20	26.5	16.2	40.9	22	29.1	18.2	44.1
	55-64 yrs	0	0.0*	0.0	4.9	10	16.4*	7.9	30.2	9	14.8*	6.8	28.1
	65+ yrs	0	0.0*	0.0	3.0	18	18.0*	10.7	28.4	13	13.0*	6.9	22.2
	Total	4	0.6*	0.1	1.4	188	25.9	22.3	29.8	279	38.4	34.0	43.2
1992	<1 yr	4	20.7*	5.6	53.0	42	217.5	156.7	294.0	8	41.4*	17.9	81.6
	1-4 yrs	1	3.3*	0.1	18.3	23	75.5	47.9	113.3	70	229.8	179.1	290.3
	5-14 yrs	0	0.0*	0.0	4.6	19	29.5*	17.8	46.0	55	85.3	64.3	111.1
	15-24 yrs	0	0.0*	0.0	2.8	19	17.8*	10.7	27.8	22	20.6	12.9	31.2
	25-34 yrs	0	0.0*	0.0	2.0	44	29.6	21.5	39.7	76	51.1	40.2	63.9
	35-44 yrs	0	0.0*	0.0	2.3	31	24.3	16.5	34.4	63	49.3	37.9	63.1
	45-54 yrs	0	0.0*	0.0	3.8	19	24.3*	14.7	38.0	24	30.7	19.7	45.8
	55-64 yrs	0	0.0*	0.0	5.1	7	11.9*	4.8	24.4	7	11.9*	4.8	24.4
	65+ yrs	0	0.0*	0.0	3.1	17	17.7*	10.3	28.3	9	9.3*	4.3	17.7
	Total	5	0.7*	0.2	1.6	221	30.2	26.4	34.5	334	45.7	40.9	50.9
1993	<1 yr	4	44.4*	12.1	113.6	27	299.5	197.4	435.8	2	22.2*	2.7	80.1
	1-4 yrs	1	2.5*	0.1	13.7	46	112.9	82.6	150.5	49	120.2	88.9	158.9
	5-14 yrs	0	0.0*	0.0	4.6	18	27.5*	16.3	43.5	27	41.3	27.2	60.1
	15-24 yrs	0	0.0*	0.0	2.7	14	12.5*	6.8	20.9	14	12.5*	6.8	20.9
	25-34 yrs	0	0.0*	0.0	2.0	32	21.5	14.7	30.4	64	43.0	33.1	54.9
	35-44 yrs	0	0.0*	0.0	2.3	35	27.1	18.9	37.7	51	39.5	29.4	51.9
	45-54 yrs	0	0.0*	0.0	3.6	12	14.5*	7.5	25.4	20	24.2	14.8	37.4
	55-64 yrs	0	0.0*	0.0	5.1	8	13.5*	5.8	26.6	6	10.1*	3.7	22.0
	65+ yrs	0	0.0*	0.0	3.1	13	13.3*	7.1	22.7	8	8.2*	3.5	16.1
	Total	5	0.7*	0.2	1.6	205	27.5	23.9	31.5	241	32.3	28.4	36.7
1994	<1 yr	9	108.1*	49.4	205.2	31	372.4	253.0	528.6	2	24.0*	2.9	86.8
	1-4 yrs	0	0.0*	0.0	7.6	23	58.6	37.2	87.9	40	101.9	72.8	138.8
	5-14 yrs	0	0.0*	0.0	4.6	13	20.1*	10.7	34.4	29	44.8	30.0	64.4
	15-24 yrs	0	0.0*	0.0	2.6	30	26.3	17.7	37.5	12	10.5*	5.4	18.4
	25-34 yrs	1	0.7*	0.0	3.8	33	22.4	15.4	31.4	61	41.3	31.6	53.1
	35-44 yrs	0	0.0*	0.0	2.4	31	24.3	16.5	34.6	59	46.3	35.3	59.8
	45-54 yrs	1	1.2*	0.0	6.5	9	10.5*	4.8	20.0	21	24.5	15.2	37.5
	55-64 yrs	0	0.0*	0.0	5.1	3	5.1*	1.1	14.9	6	10.2*	3.7	22.2
	65+ yrs	0	0.0*	0.0	3.1	20	20.5	12.5	31.7	7	7.2*	2.9	14.8
	Total	11	1.5*	0.7	2.6	193	26.0	22.4	29.9	237	31.9	28.0	36.2
1995	<1 yr	6	73.5*	27.0	160.0	23	281.7	178.6	422.7	2	24.5*	3.0	88.5
	1-4 yrs	5	13.7*	4.4	31.9	30	82.1	55.4	117.2	42	115.0	82.9	155.4
	5-14 yrs	7	11.0*	4.4	22.6	17	26.7*	15.5	42.7	26	40.8	26.6	59.7
	15-24 yrs	0	0.0*	0.0	2.7	15	13.3*	7.4	21.9	21	18.6	11.5	28.5
	25-34 yrs	2	1.3*	0.2	4.8	34	22.8	15.8	31.9	124	83.2	69.2	99.2
	35-44 yrs	2	1.6*	0.2	5.8	34	27.2	18.8	38.0	79	63.1	50.0	78.7
	45-54 yrs	1	1.1*	0.0	6.3	11	12.4*	6.2	22.1	23	25.8	16.4	38.7
	55-64 yrs	0	0.0*	0.0	5.1	11	18.8*	9.4	33.7	4	6.9*	1.9	17.5
	65+ yrs	0	0.0*	0.0	3.1	22	22.6	14.2	34.3	4	4.1*	1.1	10.5
	Total	23	3.1	2.0	4.7	197	26.6	23.0	30.6	325	43.9	39.3	49.0

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

Year	Age	Pertussis				Salmonellosis				Shigellosis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1996	<1 yr	6	77.4*	28.4	168.5	25	322.6	208.8	476.2	2	25.8*	3.1	93.2
	1-4 yrs	2	5.9*	0.7	21.4	26	77.1	50.3	112.9	31	91.9	62.4	130.4
	5-14 yrs	3	4.7*	1.0	13.8	10	15.7*	7.5	28.9	20	31.5	19.2	48.6
	15-24 yrs	0	0.0*	0.0	2.7	12	10.8*	5.6	18.8	20	17.9	10.9	27.7
	25-34 yrs	0	0.0*	0.0	1.9	37	24.0	16.9	33.1	78	50.6	40.0	63.2
	35-44 yrs	0	0.0*	0.0	2.4	29	23.3	15.6	33.5	76	61.0	48.1	76.4
	45-54 yrs	0	0.0*	0.0	3.2	12	12.9*	6.7	22.6	20	21.6	13.2	33.3
	55-64 yrs	0	0.0*	0.0	5.1	15	25.6*	14.4	42.3	10	17.1*	8.2	31.4
	65+ yrs	0	0.0*	0.0	3.1	22	22.5	14.1	34.1	4	4.1*	1.1	10.5
	Total	11	1.5*	0.7	2.6	188	25.3	21.8	29.1	261	35.1	30.9	39.6
1997	<1 yr	8	106.3*	45.9	209.5	21	279.1	172.8	426.7	2	26.6*	3.2	96.0
	1-4 yrs	0	0.0*	0.0	10.7	32	114.8	78.5	162.0	22	78.9	49.4	119.5
	5-14 yrs	1	1.5*	0.0	8.5	21	31.9	19.7	48.7	17	25.8*	15.0	41.3
	15-24 yrs	1	0.9*	0.0	5.1	20	18.3	11.2	28.3	7	6.4*	2.6	13.2
	25-34 yrs	0	0.0*	0.0	1.9	47	29.1	21.4	38.8	67	41.5	32.2	52.8
	35-44 yrs	0	0.0*	0.0	2.4	20	16.1	9.8	24.8	57	45.8	34.7	59.3
	45-54 yrs	0	0.0*	0.0	3.1	18	18.8*	11.1	29.6	25	26.1	16.9	38.5
	55-64 yrs	0	0.0*	0.0	5.0	6	10.1*	3.7	22.0	5	8.4*	2.7	19.7
	65+ yrs	0	0.0*	0.0	3.1	19	19.4*	11.7	30.3	4	4.1*	1.1	10.5
	Total	10	1.3*	0.6	2.5	204	27.2	23.6	31.2	206	27.5	23.9	31.5
1998	<1 yr	8	116.3*	50.2	229.2	23	334.4	212.0	501.8	1	14.5*	0.4	81.0
	1-4 yrs	6	22.8*	8.4	49.7	29	110.4	73.9	158.6	15	57.1*	32.0	94.2
	5-14 yrs	6	9.4*	3.5	20.5	18	28.2*	16.7	44.6	20	31.4	19.2	48.4
	15-24 yrs	2	1.9*	0.2	6.8	14	13.2*	7.2	22.2	10	9.4*	4.5	17.3
	25-34 yrs	5	2.9*	1.0	6.8	31	18.2	12.4	25.8	46	27.0	19.8	36.0
	35-44 yrs	4	3.2*	0.9	8.1	25	19.9	12.9	29.4	35	27.8	19.4	38.7
	45-54 yrs	3	3.0*	0.6	8.8	17	17.1*	10.0	27.4	20	20.1	12.3	31.1
	55-64 yrs	1	1.6*	0.0	9.2	11	18.1*	9.0	32.3	7	11.5*	4.6	23.7
	65+ yrs	0	0.0*	0.0	3.0	10	10.1*	4.9	18.6	2	2.0*	0.2	7.3
	Total	35	4.6	3.2	6.4	178	23.5	20.2	27.2	156	20.6	17.5	24.1
1999	<1 yr	7	103.2*	41.5	212.7	12	176.9*	91.4	309.1	0	0.0*	0.0	44.2
	1-4 yrs	6	24.0*	8.8	52.2	22	87.9	55.1	133.1	15	60.0*	33.6	98.9
	5-14 yrs	1	1.6*	0.0	8.9	19	30.4*	18.3	47.5	16	25.6*	14.7	41.6
	15-24 yrs	4	4.0*	1.1	10.3	13	13.1*	7.0	22.5	9	9.1*	4.2	17.3
	25-34 yrs	4	2.3*	0.6	5.8	38	21.5	15.2	29.5	25	14.1	9.1	20.8
	35-44 yrs	0	0.0*	0.0	2.3	21	16.3	10.1	24.9	22	17.1	10.7	25.9
	45-54 yrs	4	3.9*	1.1	10.0	21	20.4	12.6	31.2	16	15.6*	8.9	25.3
	55-64 yrs	0	0.0*	0.0	4.8	12	19.2*	9.9	33.5	4	6.4*	1.7	16.4
	65+ yrs	0	0.0*	0.0	2.9	11	10.8*	5.4	19.3	6	5.9*	2.2	12.8
	Total	26	3.4	2.2	5.0	169	22.0	18.8	25.6	113	14.7	12.1	17.7
2000	<1 yr	7	96.9*	39.0	199.7	16	221.5*	126.6	359.7	2	27.7*	3.4	100.0
	1-4 yrs	2	8.3*	1.0	29.9	21	86.9	53.8	132.9	15	62.1*	34.7	102.4
	5-14 yrs	11	18.2*	9.1	32.6	9	14.9*	6.8	28.3	17	28.2*	16.4	45.1
	15-24 yrs	3	3.3*	0.7	9.8	8	8.9*	3.8	17.5	17	18.9*	11.0	30.3
	25-34 yrs	4	2.1*	0.6	5.4	29	15.4	10.3	22.1	94	50.0	40.4	61.2
	35-44 yrs	1	0.8*	0.0	4.2	17	12.8*	7.5	20.5	145	109.2	92.1	128.4
	45-54 yrs	3	2.8*	0.6	8.2	11	10.3*	5.1	18.4	51	47.7	35.5	62.7
	55-64 yrs	0	0.0*	0.0	4.6	11	16.8*	8.4	30.1	12	18.3*	9.5	32.0
	65+ yrs	0	0.0*	0.0	2.8	15	14.1*	7.9	23.2	3	2.8*	0.6	8.2
	Total	31	4.0	2.7	5.6	137	17.5	14.7	20.7	356	45.6	41.0	50.6

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

Year	Age	Pertussis				Salmonellosis				Shigellosis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
2001	<1 yr	1	11.9*	0.3	66.3	13	154.7*	82.4	264.5	1	11.9*	0.3	66.3
	1-4 yrs	1	4.0*	0.1	22.0	28	110.7	73.6	160.0	10	39.5*	19.0	72.7
	5-14 yrs	3	5.0*	1.0	14.7	23	38.6	24.5	58.0	7	11.8*	4.7	24.2
	15-24 yrs	0	0.0*	0.0	3.7	15	18.4*	10.3	30.4	11	13.5*	6.7	24.2
	25-34 yrs	2	1.0*	0.1	3.7	27	14.0	9.2	20.4	76	39.4	31.1	49.3
	35-44 yrs	1	0.7*	0.0	4.1	22	16.1	10.1	24.4	126	92.5	77.0	110.1
	45-54 yrs	0	0.0*	0.0	2.8	6	5.5*	2.0	12.0	43	39.6	28.7	53.4
	55-64 yrs	1	1.5*	0.0	8.3	9	13.3*	6.1	25.3	4	5.9*	1.6	15.2
	65+ yrs	0	0.0*	0.0	2.8	15	14.0*	7.8	23.0	7	6.5*	2.6	13.4
	Total	9	1.1*	0.5	2.2	158	20.1	17.1	23.5	285	36.2	32.1	40.7
2002	<1 yr	3	37.1*	7.6	108.3	8	98.9*	42.7	194.8	2	24.7*	3.0	89.3
	1-4 yrs	0	0.0*	0.0	10.7	25	89.1	57.7	131.6	9	32.1*	14.7	60.9
	5-14 yrs	0	0.0*	0.0	5.0	14	23.3*	12.7	39.1	7	11.6*	4.7	24.0
	15-24 yrs	1	1.4*	0.0	7.7	12	16.6*	8.6	28.9	6	8.3*	3.0	18.0
	25-34 yrs	1	0.5*	0.0	2.9	26	13.7	9.0	20.1	53	28.0	21.0	36.7
	35-44 yrs	1	0.7*	0.0	3.9	18	12.7*	7.6	20.1	78	55.2	43.7	68.9
	45-54 yrs	0	0.0*	0.0	2.7	15	13.6*	7.6	22.5	23	20.9	13.3	31.4
	55-64 yrs	0	0.0*	0.0	4.2	14	19.7*	10.8	33.1	5	7.1*	2.3	16.5
	65+ yrs	0	0.0*	0.0	2.8	18	16.6*	9.8	26.3	3	2.8*	0.6	8.1
	Total	6	0.8*	0.3	1.7	150	19.0	16.1	22.3	186	23.6	20.3	27.2
2003	<1 yr	2	24.4*	3.0	88.3	16	195.5*	111.8	317.5	2	24.4*	3.0	88.3
	1-4 yrs	1	3.3*	0.1	18.2	16	52.3*	29.9	84.9	13	42.5*	22.6	72.6
	5-14 yrs	0	0.0*	0.0	4.9	14	22.9*	12.5	38.5	9	14.7*	6.7	28.0
	15-24 yrs	0	0.0*	0.0	4.5	7	10.6*	4.3	21.8	11	16.6*	8.3	29.7
	25-34 yrs	1	0.6*	0.0	3.1	31	17.5	11.9	24.8	37	20.9	14.7	28.8
	35-44 yrs	1	0.7*	0.0	3.8	23	15.5	9.8	23.3	43	29.0	21.0	39.0
	45-54 yrs	3	2.7*	0.6	7.8	9	8.0*	3.7	15.3	24	21.4	13.7	31.9
	55-64 yrs	0	0.0*	0.0	4.0	10	13.4*	6.4	24.6	12	16.1*	8.3	28.1
	65+ yrs	2	1.8*	0.2	6.6	11	10.1*	5.1	18.1	5	4.6*	1.5	10.7
	Total	10	1.3*	0.6	2.3	137	17.4	14.6	20.6	156	19.8	16.8	23.2

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

APPENDIX C1: Frequency and Unadjusted Rates for 21 Selected Diseases by Age, San Francisco, 1986-2003

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Year	Age	Acute Typhoid Fever				Viral Meningitis				Vibriosis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1986	<1 yr	0	0.0*	0.0	31.8	2	21.2*	2.6	76.7	0	0.0*	0.0	31.8
	1-4 yrs	1	3.1*	0.1	17.1	0	0.0*	0.0	9.2	0	0.0*	0.0	9.2
	5-14 yrs	1	1.5*	0.0	8.5	1	1.5*	0.0	8.5	0	0.0*	0.0	4.6
	15-24 yrs	1	0.9*	0.0	4.9	2	1.7*	0.2	6.3	0	0.0*	0.0	2.6
	25-34 yrs	0	0.0*	0.0	2.0	3	2.0*	0.4	5.8	0	0.0*	0.0	2.0
	35-44 yrs	0	0.0*	0.0	2.6	0	0.0*	0.0	2.6	0	0.0*	0.0	2.6
	45-54 yrs	0	0.0*	0.0	4.3	0	0.0*	0.0	4.3	0	0.0*	0.0	4.3
	55-64 yrs	0	0.0*	0.0	4.2	0	0.0*	0.0	4.2	0	0.0*	0.0	4.2
	65+ yrs	1	0.9*	0.0	5.2	1	0.9*	0.0	5.2	0	0.0*	0.0	2.8
	Total	4	0.5*	0.1	1.4	9	1.2*	0.6	2.3	0	0.0*	0.0	0.4
1987	<1 yr	0	0.0*	0.0	32.6	0	0.0*	0.0	32.6	0	0.0*	0.0	32.6
	1-4 yrs	1	3.1*	0.1	17.3	0	0.0*	0.0	9.3	0	0.0*	0.0	9.3
	5-14 yrs	0	0.0*	0.0	4.6	0	0.0*	0.0	4.6	0	0.0*	0.0	4.6
	15-24 yrs	2	1.8*	0.2	6.4	1	0.9*	0.0	4.9	0	0.0*	0.0	2.6
	25-34 yrs	2	1.3*	0.2	4.8	0	0.0*	0.0	2.0	0	0.0*	0.0	2.0
	35-44 yrs	0	0.0*	0.0	2.5	0	0.0*	0.0	2.5	0	0.0*	0.0	2.5
	45-54 yrs	0	0.0*	0.0	4.3	0	0.0*	0.0	4.3	0	0.0*	0.0	4.3
	55-64 yrs	0	0.0*	0.0	4.4	0	0.0*	0.0	4.4	0	0.0*	0.0	4.4
	65+ yrs	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8
	Total	5	0.7*	0.2	1.6	1	0.1*	0.0	0.8	0	0.0*	0.0	0.4
1988	<1 yr	0	0.0*	0.0	33.0	3	33.0*	6.8	96.5	0	0.0*	0.0	33.0
	1-4 yrs	1	3.2*	0.1	17.9	1	3.2*	0.1	17.9	0	0.0*	0.0	9.6
	5-14 yrs	2	3.1*	0.4	11.4	1	1.6*	0.0	8.8	0	0.0*	0.0	4.7
	15-24 yrs	2	1.8*	0.2	6.6	1	0.9*	0.0	5.1	1	0.9*	0.0	5.1
	25-34 yrs	4	2.6*	0.7	6.7	2	1.3*	0.2	4.8	5	3.3*	1.1	7.7
	35-44 yrs	2	1.6*	0.2	5.9	1	0.8*	0.0	4.5	3	2.4*	0.5	7.1
	45-54 yrs	0	0.0*	0.0	4.2	0	0.0*	0.0	4.2	1	1.4*	0.0	7.9
	55-64 yrs	1	1.5*	0.0	8.4	0	0.0*	0.0	4.5	0	0.0*	0.0	4.5
	65+ yrs	0	0.0*	0.0	2.9	0	0.0*	0.0	2.9	1	1.0*	0.0	5.3
	Total	12	1.6*	0.8	2.9	9	1.2*	0.6	2.3	11	1.5*	0.8	2.7
1989	<1 yr	0	0.0*	0.0	33.9	5	56.6*	18.4	132.0	1	11.3*	0.3	63.0
	1-4 yrs	0	0.0*	0.0	10.1	0	0.0*	0.0	10.1	0	0.0*	0.0	10.1
	5-14 yrs	4	6.4*	1.8	16.5	2	3.2*	0.4	11.6	0	0.0*	0.0	4.8
	15-24 yrs	3	2.9*	0.6	8.4	3	2.9*	0.6	8.4	0	0.0*	0.0	2.9
	25-34 yrs	1	0.6*	0.0	3.6	6	3.9*	1.4	8.4	3	1.9*	0.4	5.7
	35-44 yrs	0	0.0*	0.0	2.4	4	3.2*	0.9	8.2	3	2.4*	0.5	7.0
	45-54 yrs	1	1.4*	0.0	7.8	2	2.8*	0.3	10.1	2	2.8*	0.3	10.1
	55-64 yrs	0	0.0*	0.0	4.6	0	0.0*	0.0	4.6	2	3.1*	0.4	11.2
	65+ yrs	0	0.0*	0.0	2.9	0	0.0*	0.0	2.9	1	1.0*	0.0	5.4
	Total	9	1.2*	0.6	2.4	22	3.0	1.9	4.6	12	1.7*	0.9	2.9
1990	<1 yr	0	0.0*	0.0	35.4	4	47.3*	12.9	121.1	0	0.0*	0.0	35.4
	1-4 yrs	0	0.0*	0.0	10.5	1	3.5*	0.1	19.5	0	0.0*	0.0	10.5
	5-14 yrs	0	0.0*	0.0	4.7	1	1.6*	0.0	8.7	1	1.6*	0.0	8.7
	15-24 yrs	0	0.0*	0.0	2.9	1	1.0*	0.0	5.4	0	0.0*	0.0	2.9
	25-34 yrs	2	1.3*	0.2	4.6	9	5.8*	2.6	11.0	4	2.6*	0.7	6.6
	35-44 yrs	0	0.0*	0.0	2.4	5	3.9*	1.3	9.2	1	0.8*	0.0	4.4
	45-54 yrs	1	1.4*	0.0	7.6	0	0.0*	0.0	4.1	1	1.4*	0.0	7.6
	55-64 yrs	0	0.0*	0.0	4.8	2	3.2*	0.4	11.6	0	0.0*	0.0	4.8
	65+ yrs	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0
	Total	3	0.4*	0.1	1.2	23	3.2	2.0	4.8	7	1.0*	0.4	2.0

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

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Note: Unstable rates should not be compared statistically.

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APPENDIX C1: Frequency and Unadjusted Rates for 21 Selected Diseases by Age, San Francisco, 1986-2003

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Year	Age	Acute Typhoid Fever				Viral Meningitis				Vibriosis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1991	<1 yr	0	0.0*	0.0	31.5	3	31.5*	6.5	92.1	0	0.0*	0.0	31.5
	1-4 yrs	1	3.4*	0.1	18.8	3	10.1*	2.1	29.6	0	0.0*	0.0	10.1
	5-14 yrs	1	1.5*	0.0	8.5	3	4.6*	0.9	13.4	0	0.0*	0.0	4.6
	15-24 yrs	3	2.9*	0.6	8.5	2	1.9*	0.2	7.0	0	0.0*	0.0	2.9
	25-34 yrs	1	0.7*	0.0	3.7	7	4.6*	1.8	9.5	0	0.0*	0.0	2.0
	35-44 yrs	1	0.8*	0.0	4.3	3	2.3*	0.5	6.8	3	2.3*	0.5	6.8
	45-54 yrs	0	0.0*	0.0	4.0	2	2.6*	0.3	9.6	1	1.3*	0.0	7.4
	55-64 yrs	1	1.6*	0.0	9.2	0	0.0*	0.0	4.9	0	0.0*	0.0	4.9
	65+ yrs	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0	1	1.0*	0.0	5.6
	Total	8	1.1*	0.5	2.2	23	3.2	2.0	4.7	5	0.7*	0.2	1.6
1992	<1 yr	0	0.0*	0.0	15.5	1	5.2*	0.1	28.9	0	0.0*	0.0	15.5
	1-4 yrs	0	0.0*	0.0	9.8	0	0.0*	0.0	9.8	1	3.3*	0.1	18.3
	5-14 yrs	0	0.0*	0.0	4.6	1	1.6*	0.0	8.6	0	0.0*	0.0	4.6
	15-24 yrs	0	0.0*	0.0	2.8	13	12.2*	6.5	20.8	0	0.0*	0.0	2.8
	25-34 yrs	0	0.0*	0.0	2.0	2	1.3*	0.2	4.9	5	3.4*	1.1	7.8
	35-44 yrs	0	0.0*	0.0	2.3	3	2.3*	0.5	6.9	1	0.8*	0.0	4.4
	45-54 yrs	0	0.0*	0.0	3.8	1	1.3*	0.0	7.1	0	0.0*	0.0	3.8
	55-64 yrs	1	1.7*	0.0	9.4	2	3.4*	0.4	12.2	0	0.0*	0.0	5.1
	65+ yrs	0	0.0*	0.0	3.1	1	1.0*	0.0	5.8	0	0.0*	0.0	3.1
	Total	1	0.1*	0.0	0.8	24	3.3	2.1	4.9	7	1.0*	0.4	2.0
1993	<1 yr	0	0.0*	0.0	33.2	0	0.0*	0.0	33.2	0	0.0*	0.0	33.2
	1-4 yrs	0	0.0*	0.0	7.3	1	2.5*	0.1	13.7	0	0.0*	0.0	7.3
	5-14 yrs	1	1.5*	0.0	8.5	1	1.5*	0.0	8.5	0	0.0*	0.0	4.6
	15-24 yrs	1	0.9*	0.0	5.0	1	0.9*	0.0	5.0	0	0.0*	0.0	2.7
	25-34 yrs	2	1.3*	0.2	4.9	5	3.4*	1.1	7.8	2	1.3*	0.2	4.9
	35-44 yrs	0	0.0*	0.0	2.3	3	2.3*	0.5	6.8	2	1.5*	0.2	5.6
	45-54 yrs	0	0.0*	0.0	3.6	0	0.0*	0.0	3.6	0	0.0*	0.0	3.6
	55-64 yrs	0	0.0*	0.0	5.1	0	0.0*	0.0	5.1	0	0.0*	0.0	5.1
	65+ yrs	0	0.0*	0.0	3.1	0	0.0*	0.0	3.1	0	0.0*	0.0	3.1
	Total	4	0.5*	0.1	1.4	11	1.5*	0.7	2.6	4	0.5*	0.1	1.4
1994	<1 yr	0	0.0*	0.0	36.0	0	0.0*	0.0	36.0	0	0.0*	0.0	36.0
	1-4 yrs	0	0.0*	0.0	7.6	0	0.0*	0.0	7.6	0	0.0*	0.0	7.6
	5-14 yrs	0	0.0*	0.0	4.6	0	0.0*	0.0	4.6	0	0.0*	0.0	4.6
	15-24 yrs	1	0.9*	0.0	4.9	0	0.0*	0.0	2.6	0	0.0*	0.0	2.6
	25-34 yrs	2	1.4*	0.2	4.9	2	1.4*	0.2	4.9	2	1.4*	0.2	4.9
	35-44 yrs	1	0.8*	0.0	4.4	0	0.0*	0.0	2.4	0	0.0*	0.0	2.4
	45-54 yrs	0	0.0*	0.0	3.5	0	0.0*	0.0	3.5	1	1.2*	0.0	6.5
	55-64 yrs	0	0.0*	0.0	5.1	0	0.0*	0.0	5.1	0	0.0*	0.0	5.1
	65+ yrs	0	0.0*	0.0	3.1	0	0.0*	0.0	3.1	1	1.0*	0.0	5.7
	Total	4	0.5*	0.1	1.4	2	0.3*	0.0	1.0	4	0.5*	0.1	1.4
1995	<1 yr	0	0.0*	0.0	36.7	0	0.0*	0.0	36.7	0	0.0*	0.0	36.7
	1-4 yrs	0	0.0*	0.0	8.2	0	0.0*	0.0	8.2	0	0.0*	0.0	8.2
	5-14 yrs	1	1.6*	0.0	8.7	0	0.0*	0.0	4.7	0	0.0*	0.0	4.7
	15-24 yrs	2	1.8*	0.2	6.4	0	0.0*	0.0	2.7	0	0.0*	0.0	2.7
	25-34 yrs	1	0.7*	0.0	3.7	2	1.3*	0.2	4.8	1	0.7*	0.0	3.7
	35-44 yrs	1	0.8*	0.0	4.5	0	0.0*	0.0	2.4	1	0.8*	0.0	4.5
	45-54 yrs	0	0.0*	0.0	3.4	0	0.0*	0.0	3.4	2	2.2*	0.3	8.1
	55-64 yrs	0	0.0*	0.0	5.1	0	0.0*	0.0	5.1	0	0.0*	0.0	5.1
	65+ yrs	0	0.0*	0.0	3.1	1	1.0*	0.0	5.7	1	1.0*	0.0	5.7
	Total	5	0.7*	0.2	1.6	3	0.4*	0.1	1.2	5	0.7*	0.2	1.6

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

APPENDIX C1: Frequency and Unadjusted Rates for 21 Selected Diseases by Age, San Francisco, 1986-2003

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Year	Age	Acute Typhoid Fever				Viral Meningitis				Vibriosis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1996	<1 yr	0	0.0*	0.0	38.7	2	25.8*	3.1	93.2	1	12.9*	0.3	71.9
	1-4 yrs	0	0.0*	0.0	8.9	0	0.0*	0.0	8.9	0	0.0*	0.0	8.9
	5-14 yrs	1	1.6*	0.0	8.8	0	0.0*	0.0	4.7	0	0.0*	0.0	4.7
	15-24 yrs	0	0.0*	0.0	2.7	0	0.0*	0.0	2.7	1	0.9*	0.0	5.0
	25-34 yrs	2	1.3*	0.2	4.7	3	1.9*	0.4	5.7	1	0.6*	0.0	3.6
	35-44 yrs	0	0.0*	0.0	2.4	0	0.0*	0.0	2.4	3	2.4*	0.5	7.0
	45-54 yrs	0	0.0*	0.0	3.2	0	0.0*	0.0	3.2	0	0.0*	0.0	3.2
	55-64 yrs	0	0.0*	0.0	5.1	0	0.0*	0.0	5.1	1	1.7*	0.0	9.5
	65+ yrs	0	0.0*	0.0	3.1	0	0.0*	0.0	3.1	1	1.0*	0.0	5.7
	Total	3	0.4*	0.1	1.2	5	0.7*	0.2	1.6	8	1.1*	0.5	2.1
1997	<1 yr	0	0.0*	0.0	39.8	0	0.0*	0.0	39.8	0	0.0*	0.0	39.8
	1-4 yrs	1	3.6*	0.1	20.0	0	0.0*	0.0	10.7	0	0.0*	0.0	10.7
	5-14 yrs	0	0.0*	0.0	4.5	1	1.5*	0.0	8.5	0	0.0*	0.0	4.5
	15-24 yrs	2	1.8*	0.2	6.6	0	0.0*	0.0	2.7	2	1.8*	0.2	6.6
	25-34 yrs	0	0.0*	0.0	1.9	1	0.6*	0.0	3.5	15	9.3*	5.2	15.3
	35-44 yrs	0	0.0*	0.0	2.4	1	0.8*	0.0	4.5	3	2.4*	0.5	7.0
	45-54 yrs	0	0.0*	0.0	3.1	1	1.0*	0.0	5.8	2	2.1*	0.3	7.5
	55-64 yrs	1	1.7*	0.0	9.4	0	0.0*	0.0	5.0	1	1.7*	0.0	9.4
	65+ yrs	0	0.0*	0.0	3.1	0	0.0*	0.0	3.1	2	2.0*	0.2	7.4
	Total	4	0.5*	0.1	1.4	4	0.5*	0.1	1.4	25	3.3	2.2	4.9
1998	<1 yr	0	0.0*	0.0	43.6	0	0.0*	0.0	43.6	0	0.0*	0.0	43.6
	1-4 yrs	0	0.0*	0.0	11.4	0	0.0*	0.0	11.4	0	0.0*	0.0	11.4
	5-14 yrs	2	3.1*	0.4	11.3	2	3.1*	0.4	11.3	0	0.0*	0.0	4.7
	15-24 yrs	1	0.9*	0.0	5.3	1	0.9*	0.0	5.3	2	1.9*	0.2	6.8
	25-34 yrs	1	0.6*	0.0	3.3	2	1.2*	0.1	4.2	5	2.9*	1.0	6.8
	35-44 yrs	0	0.0*	0.0	2.4	3	2.4*	0.5	7.0	1	0.8*	0.0	4.4
	45-54 yrs	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0
	55-64 yrs	0	0.0*	0.0	4.9	0	0.0*	0.0	4.9	1	1.6*	0.0	9.2
	65+ yrs	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0
	Total	4	0.5*	0.1	1.4	8	1.1*	0.5	2.1	9	1.2*	0.5	2.3
1999	<1 yr	0	0.0*	0.0	44.2	0	0.0*	0.0	44.2	0	0.0*	0.0	44.2
	1-4 yrs	0	0.0*	0.0	12.0	0	0.0*	0.0	12.0	0	0.0*	0.0	12.0
	5-14 yrs	0	0.0*	0.0	4.8	0	0.0*	0.0	4.8	0	0.0*	0.0	4.8
	15-24 yrs	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0
	25-34 yrs	0	0.0*	0.0	1.7	0	0.0*	0.0	1.7	3	1.7*	0.3	5.0
	35-44 yrs	0	0.0*	0.0	2.3	0	0.0*	0.0	2.3	2	1.6*	0.2	5.6
	45-54 yrs	0	0.0*	0.0	2.9	2	1.9*	0.2	7.0	1	1.0*	0.0	5.4
	55-64 yrs	0	0.0*	0.0	4.8	0	0.0*	0.0	4.8	0	0.0*	0.0	4.8
	65+ yrs	1	1.0*	0.0	5.5	0	0.0*	0.0	2.9	2	2.0*	0.2	7.1
	Total	1	0.1*	0.0	0.7	2	0.3*	0.0	0.9	8	1.0*	0.5	2.1
2000	<1 yr	0	0.0*	0.0	41.5	0	0.0*	0.0	41.5	0	0.0*	0.0	41.5
	1-4 yrs	0	0.0*	0.0	12.4	0	0.0*	0.0	12.4	0	0.0*	0.0	12.4
	5-14 yrs	0	0.0*	0.0	5.0	0	0.0*	0.0	5.0	0	0.0*	0.0	5.0
	15-24 yrs	0	0.0*	0.0	3.3	0	0.0*	0.0	3.3	0	0.0*	0.0	3.3
	25-34 yrs	0	0.0*	0.0	1.6	1	0.5*	0.0	3.0	5	2.7*	0.9	6.2
	35-44 yrs	1	0.8*	0.0	4.2	1	0.8*	0.0	4.2	1	0.8*	0.0	4.2
	45-54 yrs	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8	2	1.9*	0.2	6.8
	55-64 yrs	0	0.0*	0.0	4.6	0	0.0*	0.0	4.6	2	3.1*	0.4	11.0
	65+ yrs	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8	2	1.9*	0.2	6.8
	Total	1	0.1*	0.0	0.7	2	0.3*	0.0	0.9	12	1.5*	0.8	2.7

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

APPENDIX C1: Frequency and Unadjusted Rates for 21 Selected Diseases by Age, San Francisco, 1986-2003

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Year	Age	Acute Typhoid Fever				Viral Meningitis				Vibriosis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
2001	<1 yr	0	0.0*	0.0	35.6	2	23.8*	2.9	86.0	0	0.0*	0.0	35.6
	1-4 yrs	0	0.0*	0.0	11.8	1	4.0*	0.1	22.0	0	0.0*	0.0	11.8
	5-14 yrs	1	1.7*	0.0	9.4	2	3.4*	0.4	12.1	0	0.0*	0.0	5.0
	15-24 yrs	1	1.2*	0.0	6.8	4	4.9*	1.3	12.6	0	0.0*	0.0	3.7
	25-34 yrs	1	0.5*	0.0	2.9	4	2.1*	0.6	5.3	0	0.0*	0.0	1.6
	35-44 yrs	2	1.5*	0.2	5.3	2	1.5*	0.2	5.3	2	1.5*	0.2	5.3
	45-54 yrs	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8	1	0.9*	0.0	5.1
	55-64 yrs	0	0.0*	0.0	4.4	0	0.0*	0.0	4.4	0	0.0*	0.0	4.4
	65+ yrs	1	0.9*	0.0	5.2	0	0.0*	0.0	2.8	1	0.9*	0.0	5.2
	Total	6	0.8*	0.3	1.7	15	1.9*	1.1	3.1	4	0.5*	0.1	1.3
2002	<1 yr	0	0.0*	0.0	37.0	0	0.0*	0.0	37.0	0	0.0*	0.0	37.0
	1-4 yrs	0	0.0*	0.0	10.7	0	0.0*	0.0	10.7	0	0.0*	0.0	10.7
	5-14 yrs	1	1.7*	0.0	9.3	2	3.3*	0.4	12.0	0	0.0*	0.0	5.0
	15-24 yrs	0	0.0*	0.0	4.1	1	1.4*	0.0	7.7	0	0.0*	0.0	4.1
	25-34 yrs	0	0.0*	0.0	1.6	4	2.1*	0.6	5.4	1	0.5*	0.0	2.9
	35-44 yrs	1	0.7*	0.0	3.9	1	0.7*	0.0	3.9	0	0.0*	0.0	2.1
	45-54 yrs	0	0.0*	0.0	2.7	2	1.8*	0.2	6.6	1	0.9*	0.0	5.1
	55-64 yrs	0	0.0*	0.0	4.2	1	1.4*	0.0	7.9	3	4.2*	0.9	12.4
	65+ yrs	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8
	Total	2	0.3*	0.0	0.9	11	1.4*	0.7	2.5	5	0.6*	0.2	1.5
2003	<1 yr	0	0.0*	0.0	36.6	0	0.0*	0.0	36.6	0	0.0*	0.0	36.6
	1-4 yrs	0	0.0*	0.0	9.8	0	0.0*	0.0	9.8	0	0.0*	0.0	9.8
	5-14 yrs	0	0.0*	0.0	4.9	0	0.0*	0.0	4.9	0	0.0*	0.0	4.9
	15-24 yrs	0	0.0*	0.0	4.5	1	1.5*	0.0	8.4	0	0.0*	0.0	4.5
	25-34 yrs	1	0.6*	0.0	3.1	2	1.1*	0.1	4.1	3	1.7*	0.3	4.9
	35-44 yrs	0	0.0*	0.0	2.0	0	0.0*	0.0	2.0	1	0.7*	0.0	3.8
	45-54 yrs	0	0.0*	0.0	2.7	1	0.9*	0.0	5.0	0	0.0*	0.0	2.7
	55-64 yrs	0	0.0*	0.0	4.0	2	2.7*	0.3	9.7	1	1.3*	0.0	7.5
	65+ yrs	0	0.0*	0.0	2.8	1	0.9*	0.0	5.1	2	1.8*	0.2	6.6
	Total	1	0.1*	0.0	0.7	7	0.9*	0.4	1.8	7	0.9*	0.4	1.8

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

APPENDIX C2: Frequency and Unadjusted Rates for 21 Selected Diseases by Sex, San Francisco, 1986-2003

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Year	Sex	Amebiasis			Campylobacteriosis			Coccidioidomycosis					
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1986	Male	450	122.1	111.1	133.9	330	89.6	80.1	99.8	2	0.5*	0.1	2.0
	Female	45	12.2	8.9	16.3	242	65.6	57.6	74.4	0	0.0*	0.0	0.8
	Unk	1				2		0		0			
	Total	496	67.3	61.5	73.4	574	77.8	71.6	84.5	2	0.3*	0.0	1.0
1987	Male	322	87.5	78.2	97.6	233	63.3	55.5	72.0	1	0.3*	0.0	1.5
	Female	36	9.8	6.9	13.5	129	35.1	29.3	41.7	1	0.3*	0.0	1.5
	Unk	3				2		0		0			
	Total	361	49.1	44.1	54.4	364	49.5	44.5	54.8	2	0.3*	0.0	1.0
1988	Male	291	79.7	70.8	89.4	317	86.8	77.5	96.9	7	1.9*	0.8	3.9
	Female	37	10.1	7.1	14.0	140	38.4	32.3	45.3	0	0.0*	0.0	0.8
	Unk	3				1		0		0			
	Total	331	45.3	40.6	50.5	458	62.7	57.1	68.7	7	1.0*	0.4	2.0
1989	Male	258	71.1	62.7	80.4	364	100.4	90.3	111.2	2	0.6*	0.1	2.0
	Female	26	7.2	4.7	10.5	221	61.1	53.3	69.7	1	0.3*	0.0	1.5
	Unk	1				2		2		0			
	Total	285	39.3	34.9	44.2	587	81.0	74.6	87.8	5	0.7*	0.2	1.6
1990	Male	293	80.8	71.8	90.6	467	128.7	117.3	140.9	4	1.1*	0.3	2.8
	Female	29	8.0	5.4	11.6	312	86.6	77.2	96.7	1	0.3*	0.0	1.5
	Unk	1				3		0		0			
	Total	323	44.7	39.9	49.8	782	108.1	100.7	116.0	5	0.7*	0.2	1.6
1991	Male	286	78.2	69.4	87.8	476	130.2	118.8	142.4	3	0.8*	0.2	2.4
	Female	28	7.8	5.2	11.2	300	83.1	74.0	93.1	0	0.0*	0.0	0.8
	Unk	0				2		0		0			
	Total	314	43.2	38.6	48.3	778	107.1	99.7	114.9	3	0.4*	0.1	1.2
1992	Male	169	45.9	39.2	53.3	436	118.4	107.5	130.0	8	2.2*	0.9	4.3
	Female	19	5.2*	3.2	8.2	267	73.6	65.1	83.0	3	0.8*	0.2	2.4
	Unk	0				1		0		0			
	Total	188	25.7	22.2	29.7	704	96.3	89.3	103.7	11	1.5*	0.8	2.7
1993	Male	241	64.1	56.2	72.7	377	100.2	90.4	110.9	12	3.2*	1.6	5.6
	Female	21	5.7	3.5	8.7	238	64.5	56.5	73.2	0	0.0*	0.0	0.8
	Unk	0				2		0		0			
	Total	262	35.2	31.0	39.7	617	82.8	76.4	89.6	12	1.6*	0.8	2.8
1994	Male	221	58.8	51.3	67.1	374	99.6	89.7	110.2	5	1.3*	0.4	3.1
	Female	31	8.4	5.7	12.0	245	66.6	58.5	75.5	2	0.5*	0.1	2.0
	Unk	0				1		0		0			
	Total	252	33.9	29.8	38.4	620	83.4	77.0	90.2	7	0.9*	0.4	1.9

Year	Sex	Amebiasis			Campylobacteriosis			Coccidioidomycosis					
		n	Rate	95% LCL	n	Rate	95% LCL	n	Rate	95% LCL	95% UCL		
1995	Male	246	65.7	57.7	74.4	338	90.3	80.9	100.4	2	0.5*	0.1	1.9
	Female	37	10.1	7.1	14.0	225	61.6	53.8	70.2	0	0.0*	0.0	0.8
	Unk	1				0		0		0			
	Total	284	38.4	34.0	43.1	563	76.1	69.9	82.6	2	0.3*	0.0	1.0
1996	Male	160	42.4	36.1	49.5	356	94.4	84.9	104.8	3	0.8*	0.2	2.3
	Female	12	3.3*	1.7	5.7	254	69.2	60.9	78.2	1	0.3*	0.0	1.5
	Unk	0				0		0		0			
	Total	172	23.1	19.8	26.8	610	82.0	75.6	88.8	4	0.5*	0.1	1.4
1997	Male	255	67.1	59.1	75.8	348	91.5	82.2	101.7	2	0.5*	0.1	1.9
	Female	35	9.5	6.6	13.2	216	58.5	51.0	66.9	0	0.0*	0.0	0.8
	Unk	0				0		0		0			
	Total	290	38.7	34.4	43.4	564	75.3	69.2	81.7	2	0.3*	0.0	1.0
1998	Male	174	45.2	38.7	52.4	288	74.8	66.4	83.9	2	0.5*	0.1	1.9
	Female	14	3.8*	2.1	6.3	140	37.5	31.6	44.3	1	0.3*	0.0	1.5
	Unk	0				0		0		0			
	Total	188	24.8	21.4	28.6	428	56.4	51.2	62.1	3	0.4*	0.1	1.2
1999	Male	158	40.6	34.5	47.4	214	54.9	47.8	62.8	3	0.8*	0.2	2.3
	Female	16	4.2*	2.4	6.9	135	35.8	30.0	42.4	0	0.0*	0.0	0.8
	Unk	0				0		0		0			
	Total	174	22.7	19.5	26.3	349	45.5	40.9	50.6	3	0.4*	0.1	1.1
2000	Male	146	36.7	31.0	43.2	274	68.9	61.0	77.6	2	0.5*	0.1	1.8
	Female	15	3.9*	2.2	6.4	169	44.1	37.7	51.2	0	0.0*	0.0	0.8
	Unk	0				0		0		0			
	Total	161	20.6	17.5	24.1	443	56.7	51.6	62.2	2	0.3*	0.0	0.9
2001	Male	125	31.2	26.0	37.2	268	66.9	59.1	75.4	2	0.5*	0.1	1.8
	Female	21	5.4	3.4	8.3	144	37.3	31.4	43.9	1	0.3*	0.0	1.4
	Unk	0				2		0		0			
	Total	146	18.5	15.7	21.8	414	52.6	47.7	57.9	3	0.4*	0.1	1.1
2002	Male	133	33.1	27.7	39.3	225	56.1	49.0	63.9	1	0.2*	0.0	1.4
	Female	17	4.4*	2.6	7.0	151	39.0	33.1	45.8	0	0.0*	0.0	0.8
	Unk	0				0		0		0			
	Total	150	19.0	16.1	22.3	376	47.7	43.0	52.8	1	0.1*	0.0	0.7
2003	Male	99	24.7	20.1	30.1	193	48.2	41.6	55.5	2	0.5*	0.1	1.8
	Female	9	2.3*	1.1	4.4	138	35.7	30.0	42.2	1	0.3*	0.0	1.4
	Unk	0				2		0		0			
	Total	108	13.7	11.3	16.6	333	42.3	37.9	47.1	3	0.4*	0.1	1.1

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; Rates not calculated for the sex category Unknown; * = Unstable Rate (n<20); Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

APPENDIX C2: Frequency and Unadjusted Rates for 21 Selected Diseases by Sex, San Francisco, 1986-2003

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Year	Sex	Cryptosporidiosis				E.coli O157:H7				Giardiasis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1986	Male	0	0.0*	0.0	0.8	0	0.0*	0.0	0.8	209	56.7	49.3	64.9
	Female	0	0.0*	0.0	0.8	0	0.0*	0.0	0.8	102	27.6	22.5	33.6
	Unk	0		0				2				0	
	Total	0	0.0*	0.0	0.4	0	0.0*	0.0	0.4	313	42.4	37.9	47.4
1987	Male	0	0.0*	0.0	0.8	0	0.0*	0.0	0.8	183	49.7	42.8	57.5
	Female	0	0.0*	0.0	0.8	0	0.0*	0.0	0.8	84	22.8	18.2	28.3
	Unk	0		0				0				0	
	Total	0	0.0*	0.0	0.4	0	0.0*	0.0	0.4	267	36.3	32.1	40.9
1988	Male	0	0.0*	0.0	0.8	0	0.0*	0.0	0.8	212	58.0	50.5	66.4
	Female	0	0.0*	0.0	0.8	0	0.0*	0.0	0.8	120	32.9	27.3	39.3
	Unk	0		0				3				0	
	Total	0	0.0*	0.0	0.4	0	0.0*	0.0	0.4	335	45.9	41.1	51.1
1989	Male	33	9.1	6.3	12.8	0	0.0*	0.0	0.8	223	61.5	53.7	70.1
	Female	2	0.6*	0.1	2.0	0	0.0*	0.0	0.8	105	29.0	23.7	35.1
	Unk	1		0				4				0	
	Total	36	5.0	3.5	6.9	0	0.0*	0.0	0.4	332	45.8	41.0	51.0
1990	Male	123	33.9	28.2	40.4	0	0.0*	0.0	0.8	247	68.1	59.9	77.1
	Female	4	1.1*	0.3	2.8	0	0.0*	0.0	0.8	112	31.1	25.6	37.4
	Unk	0		0				2				0	
	Total	127	17.6	14.6	20.9	0	0.0*	0.0	0.4	361	49.9	44.9	55.3
1991	Male	133	36.4	30.5	43.1	0	0.0*	0.0	0.8	239	65.4	57.3	74.2
	Female	8	2.2*	1.0	4.4	0	0.0*	0.0	0.8	76	21.1	16.6	26.4
	Unk	0		0				1				0	
	Total	141	19.4	16.3	22.9	0	0.0*	0.0	0.4	316	43.5	38.8	48.6
1992	Male	80	21.7	17.2	27.0	0	0.0*	0.0	0.8	172	46.7	40.0	54.2
	Female	3	0.8*	0.2	2.4	0	0.0*	0.0	0.8	75	20.7	16.3	25.9
	Unk	0		0				0				0	
	Total	83	11.4	9.0	14.1	0	0.0*	0.0	0.4	247	33.8	29.7	38.3
1993	Male	131	34.8	29.1	41.3	2	0.5*	0.1	1.9	257	68.3	60.2	77.2
	Female	9	2.4*	1.1	4.6	2	0.5*	0.1	2.0	93	25.2	20.3	30.9
	Unk	0		0				0				0	
	Total	140	18.8	15.8	22.2	4	0.5*	0.1	1.4	350	47.0	42.2	52.2
1994	Male	110	29.3	24.1	35.3	1	0.3*	0.0	1.5	308	82.0	73.1	91.7
	Female	7	1.9*	0.8	3.9	3	0.8*	0.2	2.4	100	27.2	22.1	33.1
	Unk	0		0				0				0	
	Total	117	15.7	13.0	18.9	4	0.5*	0.1	1.4	408	54.9	49.7	60.5

Year	Sex	Cryptosporidiosis				E.coli O157:H7				Giardiasis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1995	Male	122	32.6	27.1	38.9	1	0.3*	0.0	1.5	330	88.1	78.9	98.2
	Female	4	1.1*	0.3	2.8	1	0.3*	0.0	1.5	80	21.9	17.4	27.2
	Unk	0		0				0				0	
	Total	126	17.0	14.2	20.3	2	0.3*	0.0	1.0	410	55.4	50.2	61.0
1996	Male	79	21.0	16.6	26.1	3	0.8*	0.2	2.3	313	83.0	74.1	92.7
	Female	4	1.1*	0.3	2.8	2	0.5*	0.1	2.0	87	23.7	19.0	29.2
	Unk	0		0				0				0	
	Total	83	11.2	8.9	13.8	5	0.7*	0.2	1.6	400	53.8	48.6	59.3
1997	Male	54	14.2	10.7	18.5	0	0.0*	0.0	0.8	289	76.0	67.5	85.3
	Female	8	2.2*	0.9	4.3	2	0.5*	0.1	2.0	83	22.5	17.9	27.9
	Unk	0		0				0				0	
	Total	62	8.3	6.3	10.6	2	0.3*	0.0	1.0	372	49.6	44.7	54.9
1998	Male	52	13.5	10.1	17.7	7	1.8*	0.7	3.7	311	80.7	72.0	90.2
	Female	7	1.9*	0.8	3.9	5	1.3*	0.4	3.1	53	14.2	10.6	18.6
	Unk	0		0				0				0	
	Total	59	7.8	5.9	10.0	12	1.6*	0.8	2.8	364	48.0	43.2	53.2
1999	Male	67	17.2	13.3	21.8	1	0.3*	0.0	1.4	291	74.7	66.4	83.8
	Female	4	1.1*	0.3	2.7	4	1.1*	0.3	2.7	58	15.4	11.7	19.9
	Unk	0		0				0				0	
	Total	71	9.3	7.2	11.7	5	0.7*	0.2	1.5	349	45.5	40.9	50.6
2000	Male	38	9.6	6.8	13.1	3	0.8*	0.2	2.2	311	78.2	69.8	87.4
	Female	5	1.3*	0.4	3.0	3	0.8*	0.2	2.3	69	18.0	14.0	22.8
	Unk	0		0				0				0	
	Total	43	5.5	4.0	7.4	6	0.8*	0.3	1.7	380	48.6	43.9	53.8
2001	Male	34	8.5	5.9	11.9	7	1.7*	0.7	3.6	294	73.4	65.2	82.2
	Female	2	0.5*	0.1	1.9	1	0.3*	0.0	1.4	60	15.5	11.9	20.0
	Unk	0		0				0				0	
	Total	36	4.6	3.2	6.3	8	1.0*	0.4	2.0	354	45.0	40.4	49.9
2002	Male	22	5.5	3.4	8.3	10	2.5*	1.2	4.6	252	62.8	55.3	71.0
	Female	2	0.5*	0.1	1.9	6	1.6*	0.6	3.4	59	15.3	11.6	19.7
	Unk	0		0				0				0	
	Total	24	3.0	2.0	4.5	16	2.0*	1.2	3.3	311	39.5	35.2	44.1
2003	Male	13	3.2*	1.7	5.5	9	2.2*	1.0	4.3	203	50.7	43.9	58.1
	Female	1	0.3*	0.0	1.4	18	4.7*	2.8	7.4	45	11.7	8.5	15.6
	Unk	0		0				0				7	
	Total	14	1.8*	1.0	3.0	27	3.4	2.3	5.0	255	32.4	28.5	36.6

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; Rates not calculated for the sex category Unknown; * = Unstable Rate (n<20); Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

APPENDIX C2: Frequency and Unadjusted Rates for 21 Selected Diseases by Sex, San Francisco, 1986-2003

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Year	Sex	Hepatitis A			Acute Hepatitis B			Legionellosis					
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1986	Male	78	21.2	16.7	26.4	95	25.8	20.9	31.5	3	0.8*	0.2	2.4
	Female	48	13.0	9.6	17.2	44	11.9	8.7	16.0	0	0.0*	0.0	0.8
	Unk	0		0				0				0	
	Total	126	17.1	14.2	20.3	139	18.8	15.8	22.3	3	0.4*	0.1	1.2
1987	Male	93	25.3	20.4	31.0	117	31.8	26.3	38.1	3	0.8*	0.2	2.4
	Female	58	15.8	12.0	20.4	38	10.3	7.3	14.2	1	0.3*	0.0	1.5
	Unk	0		0				0				0	
	Total	151	20.5	17.4	24.1	155	21.1	17.9	24.7	4	0.5*	0.1	1.4
1988	Male	176	48.2	41.3	55.9	77	21.1	16.6	26.3	0	0.0*	0.0	0.8
	Female	65	17.8	13.7	22.7	19	5.2*	3.1	8.1	0	0.0*	0.0	0.8
	Unk	0		0				0				0	
	Total	241	33.0	29.0	37.5	96	13.1	10.7	16.1	0	0.0*	0.0	0.4
1989	Male	175	48.3	41.4	56.0	60	16.5	12.6	21.3	5	1.4*	0.4	3.2
	Female	69	19.1	14.8	24.1	19	5.3*	3.2	8.2	0	0.0*	0.0	0.8
	Unk	0		0				0				0	
	Total	244	33.7	29.6	38.2	79	10.9	8.6	13.6	5	0.7*	0.2	1.6
1990	Male	196	54.0	46.7	62.1	101	27.8	22.7	33.8	3	0.8*	0.2	2.4
	Female	60	16.7	12.7	21.4	51	14.2	10.5	18.6	0	0.0*	0.0	0.8
	Unk	0		0				0				0	
	Total	256	35.4	31.2	40.0	152	21.0	17.8	24.6	3	0.4*	0.1	1.2
1991	Male	339	92.7	83.1	103.1	67	18.3	14.2	23.3	5	1.4*	0.4	3.2
	Female	66	18.3	14.1	23.3	18	5.0*	3.0	7.9	3	0.8*	0.2	2.4
	Unk	0		0				0				0	
	Total	405	55.7	50.4	61.4	85	11.7	9.3	14.5	8	1.1*	0.5	2.2
1992	Male	291	79.0	70.2	88.6	51	13.8	10.3	18.2	2	0.5*	0.1	2.0
	Female	72	19.9	15.5	25.0	19	5.2*	3.2	8.2	0	0.0*	0.0	0.8
	Unk	0		0				0				0	
	Total	363	49.7	44.7	55.0	70	9.6	7.5	12.1	2	0.3*	0.0	1.0
1993	Male	188	50.0	43.1	57.7	63	16.8	12.9	21.4	4	1.1*	0.3	2.7
	Female	32	8.7	5.9	12.2	14	3.8*	2.1	6.4	2	0.5*	0.1	2.0
	Unk	0		0				0				0	
	Total	220	29.5	25.8	33.7	77	10.3	8.2	12.9	6	0.8*	0.3	1.8
1994	Male	234	62.3	54.6	70.8	62	16.5	12.7	21.2	2	0.5*	0.1	1.9
	Female	63	17.1	13.2	21.9	10	2.7*	1.3	5.0	0	0.0*	0.0	0.8
	Unk	0		0				0				0	
	Total	297	40.0	35.5	44.8	72	9.7	7.6	12.2	2	0.3*	0.0	1.0

Year	Sex	Hepatitis A			Acute Hepatitis B			Legionellosis					
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1995	Male	330	88.1	78.9	98.2	40	10.7	7.6	14.5	2	0.5*	0.1	1.9
	Female	125	34.2	28.5	40.7	12	3.3*	1.7	5.7	0	0.0*	0.0	0.8
	Unk	0		0				0				0	
	Total	455	61.5	56.0	67.4	52	7.0	5.2	9.2	2	0.3*	0.0	1.0
1996	Male	475	126.0	114.9	137.8	48	12.7	9.4	16.9	1	0.3*	0.0	1.5
	Female	105	28.6	23.4	34.6	11	3.0*	1.5	5.4	1	0.3*	0.0	1.5
	Unk	0		0				0				0	
	Total	580	77.9	71.7	84.6	59	7.9	6.0	10.2	2	0.3*	0.0	1.0
1997	Male	501	131.8	120.5	143.8	48	12.6	9.3	16.7	0	0.0*	0.0	0.8
	Female	81	21.9	17.4	27.3	10	2.7*	1.3	5.0	0	0.0*	0.0	0.8
	Unk	1		0				0				0	
	Total	583	77.8	71.6	84.4	58	7.7	5.9	10.0	0	0.0*	0.0	0.4
1998	Male	237	61.5	53.9	69.9	55	14.3	10.8	18.6	2	0.5*	0.1	1.9
	Female	58	15.5	11.8	20.1	11	2.9*	1.5	5.3	2	0.5*	0.1	1.9
	Unk	0		0				0				0	
	Total	295	38.9	34.6	43.6	66	8.7	6.7	11.1	4	0.5*	0.1	1.4
1999	Male	99	25.4	20.7	30.9	40	10.3	7.3	14.0	1	0.3*	0.0	1.4
	Female	20	5.3	3.2	8.2	11	2.9*	1.5	5.2	1	0.3*	0.0	1.5
	Unk	0		0				0				0	
	Total	119	15.5	12.9	18.6	51	6.7	5.0	8.7	2	0.3*	0.0	0.9
2000	Male	48	12.1	8.9	16.0	49	12.3	9.1	16.3	1	0.3*	0.0	1.4
	Female	11	2.9*	1.4	5.1	9	2.3*	1.1	4.5	1	0.3*	0.0	1.5
	Unk	0		0				0				0	
	Total	59	7.6	5.7	9.7	58	7.4	5.6	9.6	2	0.3*	0.0	0.9
2001	Male	65	16.2	12.5	20.7	58	14.5	11.0	18.7	1	0.2*	0.0	1.4
	Female	14	3.6*	2.0	6.1	6	1.6*	0.6	3.4	1	0.3*	0.0	1.4
	Unk	0		0				0				0	
	Total	79	10.0	7.9	12.5	64	8.1	6.3	10.4	2	0.3*	0.0	0.9
2002	Male	29	7.2	4.8	10.4	28	7.0	4.6	10.1	1	0.2*	0.0	1.4
	Female	9	2.3*	1.1	4.4	6	1.6*	0.6	3.4	0	0.0*	0.0	0.8
	Unk	0		0				0				0	
	Total	38	4.8	3.4	6.6	34	4.3	3.0	6.0	1	0.1*	0.0	0.7
2003	Male	7	1.7*	0.7	3.6	40	10.0	7.1	13.6	0	0.0*	0.0	0.7
	Female	8	2.1*	0.9	4.1	4	1.0*	0.3	2.7	0	0.0*	0.0	0.8
	Unk	0		0				0				0	
	Total	15	1.9*	1.1	3.1	44	5.6	4.1	7.5	0	0.0*	0.0	0.4

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; Rates not calculated for the sex category Unknown; * = Unstable Rate (n<20); Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

APPENDIX C2: Frequency and Unadjusted Rates for 21 Selected Diseases by Sex, San Francisco, 1986-2003

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Year	Sex	Listeriosis			Lyme Disease			Malaria					
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1986	Male	9	2.4*	1.1	4.6	0	0.0*	0.0	0.8	17	4.6*	2.7	7.4
	Female	1	0.3*	0.0	1.5	1	0.3*	0.0	1.5	7	1.9*	0.8	3.9
	Unk	0				0				0			
	Total	10	1.4*	0.7	2.5	1	0.1*	0.0	0.8	24	3.3	2.1	4.8
1987	Male	14	3.8*	2.1	6.4	1	0.3*	0.0	1.5	11	3.0*	1.5	5.3
	Female	7	1.9*	0.8	3.9	3	0.8*	0.2	2.4	4	1.1*	0.3	2.8
	Unk	0				0				0			
	Total	21	2.9	1.8	4.4	4	0.5*	0.1	1.4	15	2.0*	1.1	3.4
1988	Male	9	2.5*	1.1	4.7	3	0.8*	0.2	2.4	9	2.5*	1.1	4.7
	Female	5	1.4*	0.4	3.2	8	2.2*	0.9	4.3	9	2.5*	1.1	4.7
	Unk	0				0				0			
	Total	14	1.9*	1.0	3.2	11	1.5*	0.8	2.7	18	2.5*	1.5	3.9
1989	Male	12	3.3*	1.7	5.8	6	1.7*	0.6	3.6	27	7.4	4.9	10.8
	Female	4	1.1*	0.3	2.8	1	0.3*	0.0	1.5	10	2.8*	1.3	5.1
	Unk	0				0				0			
	Total	16	2.2*	1.3	3.6	7	1.0*	0.4	2.0	37	5.1	3.6	7.0
1990	Male	12	3.3*	1.7	5.8	0	0.0*	0.0	0.8	17	4.7*	2.7	7.5
	Female	5	1.4*	0.5	3.2	2	0.6*	0.1	2.0	10	2.8*	1.3	5.1
	Unk	0				0				0			
	Total	17	2.4*	1.4	3.8	2	0.3*	0.0	1.0	27	3.7	2.5	5.4
1991	Male	6	1.6*	0.6	3.6	2	0.5*	0.1	2.0	7	1.9*	0.8	3.9
	Female	2	0.6*	0.1	2.0	2	0.6*	0.1	2.0	1	0.3*	0.0	1.5
	Unk	0				0				0			
	Total	8	1.1*	0.5	2.2	4	0.6*	0.1	1.4	8	1.1*	0.5	2.2
1992	Male	5	1.4*	0.4	3.2	1	0.3*	0.0	1.5	11	3.0*	1.5	5.3
	Female	1	0.3*	0.0	1.5	2	0.6*	0.1	2.0	4	1.1*	0.3	2.8
	Unk	0				0				0			
	Total	6	0.8*	0.3	1.8	3	0.4*	0.1	1.2	15	2.1*	1.1	3.4
1993	Male	0	0.0*	0.0	0.8	1	0.3*	0.0	1.5	8	2.1*	0.9	4.2
	Female	1	0.3*	0.0	1.5	1	0.3*	0.0	1.5	5	1.4*	0.4	3.2
	Unk	0				0				0			
	Total	1	0.1*	0.0	0.7	2	0.3*	0.0	1.0	13	1.7*	0.9	3.0
1994	Male	5	1.3*	0.4	3.1	1	0.3*	0.0	1.5	10	2.7*	1.3	4.9
	Female	4	1.1*	0.3	2.8	0	0.0*	0.0	0.8	4	1.1*	0.3	2.8
	Unk	0				0				0			
	Total	9	1.2*	0.6	2.3	1	0.1*	0.0	0.7	14	1.9*	1.0	3.2

Year	Sex	Listeriosis			Lyme Disease			Malaria					
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1995	Male	4	1.1*	0.3	2.7	0	0.0*	0.0	0.8	11	2.9*	1.5	5.3
	Female	4	1.1*	0.3	2.8	1	0.3*	0.0	1.5	5	1.4*	0.4	3.2
	Unk	0				0				0			
	Total	8	1.1*	0.5	2.1	1	0.1*	0.0	0.8	16	2.2*	1.2	3.5
1996	Male	4	1.1*	0.3	2.7	3	0.8*	0.2	2.3	12	3.2*	1.6	5.6
	Female	3	0.8*	0.2	2.4	1	0.3*	0.0	1.5	3	0.8*	0.2	2.4
	Unk	0				0				0			
	Total	7	0.9*	0.4	1.9	4	0.5*	0.1	1.4	15	2.0*	1.1	3.3
1997	Male	2	0.5*	0.1	1.9	0	0.0*	0.0	0.8	13	3.4*	1.8	5.8
	Female	4	1.1*	0.3	2.8	1	0.3*	0.0	1.5	2	0.5*	0.1	2.0
	Unk	0				0				0			
	Total	6	0.8*	0.3	1.7	1	0.1*	0.0	0.7	15	2.0*	1.1	3.3
1998	Male	3	0.8*	0.2	2.3	1	0.3*	0.0	1.4	9	2.3*	1.1	4.4
	Female	0	0.0*	0.0	0.8	5	1.3*	0.4	3.1	5	1.3*	0.4	3.1
	Unk	0				0				0			
	Total	3	0.4*	0.1	1.2	6	0.8*	0.3	1.7	14	1.8*	1.0	3.1
1999	Male	6	1.5*	0.6	3.4	1	0.3*	0.0	1.4	14	3.6*	2.0	6.0
	Female	3	0.8*	0.2	2.3	0	0.0*	0.0	0.8	1	0.3*	0.0	1.5
	Unk	0				0				0			
	Total	9	1.2*	0.5	2.2	1	0.1*	0.0	0.7	15	2.0*	1.1	3.2
2000	Male	4	1.0*	0.3	2.6	0	0.0*	0.0	0.8	13	3.3*	1.7	5.6
	Female	1	0.3*	0.0	1.5	2	0.5*	0.1	1.9	2	0.5*	0.1	1.9
	Unk	0				0				0			
	Total	5	0.6*	0.2	1.5	2	0.3*	0.0	0.9	15	1.9*	1.1	3.2
2001	Male	1	0.2*	0.0	1.4	2	0.5*	0.1	1.8	8	2.0*	0.9	3.9
	Female	3	0.8*	0.2	2.3	1	0.3*	0.0	1.4	3	0.8*	0.2	2.3
	Unk	0				0				0			
	Total	4	0.5*	0.1	1.3	3	0.4*	0.1	1.1	11	1.4*	0.7	2.5
2002	Male	1	0.2*	0.0	1.4	2	0.5*	0.1	1.8	6	1.5*	0.5	3.3
	Female	3	0.8*	0.2	2.3	1	0.3*	0.0	1.4	4	1.0*	0.3	2.6
	Unk	0				0				0			
	Total	4	0.5*	0.1	1.3	3	0.4*	0.1	1.1	10	1.3*	0.6	2.3
2003	Male	4	1.0*	0.3	2.6	4	1.0*	0.3	2.6	5	1.2*	0.4	2.9
	Female	2	0.5*	0.1	1.9	2	0.5*	0.1	1.9	2	0.5*	0.1	1.9
	Unk	0				0				0			
	Total	6	0.8*	0.3	1.7	6	0.8*	0.3	1.7	7	0.9*	0.4	1.8

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; Rates not calculated for the sex category Unknown; * = Unstable Rate (n<20); Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

APPENDIX C2: Frequency and Unadjusted Rates for 21 Selected Diseases by Sex, San Francisco, 1986-2003

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Year	Sex	Measles			Meningococcal Disease			Mumps					
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1986	Male	0	0.0*	0.0	0.8	7	1.9*	0.8	3.9	6	1.6*	0.6	3.5
	Female	2	0.5*	0.1	2.0	2	0.5*	0.1	2.0	0	0.0*	0.0	0.8
	Unk	0				0				0			
	Total	2	0.3*	0.0	1.0	9	1.2*	0.6	2.3	6	0.8*	0.3	1.8
1987	Male	5	1.4*	0.4	3.2	2	0.5*	0.1	2.0	3	0.8*	0.2	2.4
	Female	7	1.9*	0.8	3.9	2	0.5*	0.1	2.0	3	0.8*	0.2	2.4
	Unk	0				0				0			
	Total	12	1.6*	0.8	2.8	4	0.5*	0.1	1.4	6	0.8*	0.3	1.8
1988	Male	3	0.8*	0.2	2.4	2	0.5*	0.1	2.0	3	0.8*	0.2	2.4
	Female	0	0.0*	0.0	0.8	1	0.3*	0.0	1.5	2	0.5*	0.1	2.0
	Unk	0				0				0			
	Total	3	0.4*	0.1	1.2	3	0.4*	0.1	1.2	5	0.7*	0.2	1.6
1989	Male	7	1.9*	0.8	4.0	8	2.2*	1.0	4.3	1	0.3*	0.0	1.5
	Female	2	0.6*	0.1	2.0	5	1.4*	0.4	3.2	0	0.0*	0.0	0.8
	Unk	0				0				0			
	Total	9	1.2*	0.6	2.4	13	1.8*	1.0	3.1	1	0.1*	0.0	0.8
1990	Male	23	6.3	4.0	9.5	7	1.9*	0.8	4.0	5	1.4*	0.4	3.2
	Female	14	3.9*	2.1	6.5	4	1.1*	0.3	2.8	1	0.3*	0.0	1.5
	Unk	0				0				0			
	Total	37	5.1	3.6	7.1	11	1.5*	0.8	2.7	6	0.8*	0.3	1.8
1991	Male	1	0.3*	0.0	1.5	4	1.1*	0.3	2.8	3	0.8*	0.2	2.4
	Female	2	0.6*	0.1	2.0	0	0.0*	0.0	0.8	2	0.6*	0.1	2.0
	Unk	0				0				0			
	Total	3	0.4*	0.1	1.2	4	0.6*	0.1	1.4	5	0.7*	0.2	1.6
1992	Male	1	0.3*	0.0	1.5	5	1.4*	0.4	3.2	1	0.3*	0.0	1.5
	Female	0	0.0*	0.0	0.8	3	0.8*	0.2	2.4	2	0.6*	0.1	2.0
	Unk	0				0				0			
	Total	1	0.1*	0.0	0.8	8	1.1*	0.5	2.2	3	0.4*	0.1	1.2
1993	Male	3	0.8*	0.2	2.3	4	1.1*	0.3	2.7	1	0.3*	0.0	1.5
	Female	1	0.3*	0.0	1.5	1	0.3*	0.0	1.5	1	0.3*	0.0	1.5
	Unk	0				0				0			
	Total	4	0.5*	0.1	1.4	5	0.7*	0.2	1.6	2	0.3*	0.0	1.0
1994	Male	1	0.3*	0.0	1.5	11	2.9*	1.5	5.2	3	0.8*	0.2	2.3
	Female	1	0.3*	0.0	1.5	6	1.6*	0.6	3.6	2	0.5*	0.1	2.0
	Unk	0				0				0			
	Total	2	0.3*	0.0	1.0	17	2.3*	1.3	3.7	5	0.7*	0.2	1.6

Year	Sex	Measles			Meningococcal Disease			Mumps					
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1995	Male	2	0.5*	0.1	1.9	8	2.1*	0.9	4.2	1	0.3*	0.0	1.5
	Female	0	0.0*	0.0	0.8	6	1.6*	0.6	3.6	1	0.3*	0.0	1.5
	Unk	0				0				0			
	Total	2	0.3*	0.0	1.0	14	1.9*	1.0	3.2	2	0.3*	0.0	1.0
1996	Male	1	0.3*	0.0	1.5	6	1.6*	0.6	3.5	1	0.3*	0.0	1.5
	Female	1	0.3*	0.0	1.5	13	3.5*	1.9	6.1	0	0.0*	0.0	0.8
	Unk	0				0				0			
	Total	2	0.3*	0.0	1.0	19	2.6*	1.5	4.0	1	0.1*	0.0	0.7
1997	Male	1	0.3*	0.0	1.5	6	1.6*	0.6	3.4	2	0.5*	0.1	1.9
	Female	0	0.0*	0.0	0.8	5	1.4*	0.4	3.2	2	0.5*	0.1	2.0
	Unk	0				0				0			
	Total	1	0.1*	0.0	0.7	11	1.5*	0.7	2.6	4	0.5*	0.1	1.4
1998	Male	1	0.3*	0.0	1.4	4	1.0*	0.3	2.7	2	0.5*	0.1	1.9
	Female	0	0.0*	0.0	0.8	5	1.3*	0.4	3.1	1	0.3*	0.0	1.5
	Unk	0				0				0			
	Total	1	0.1*	0.0	0.7	9	1.2*	0.5	2.3	3	0.4*	0.1	1.2
1999	Male	0	0.0*	0.0	0.8	10	2.6*	1.2	4.7	0	0.0*	0.0	0.8
	Female	0	0.0*	0.0	0.8	5	1.3*	0.4	3.1	1	0.3*	0.0	1.5
	Unk	0				0				0			
	Total	0	0.0*	0.0	0.4	15	2.0*	1.1	3.2	1	0.1*	0.0	0.7
2000	Male	0	0.0*	0.0	0.8	8	2.0*	0.9	4.0	1	0.3*	0.0	1.4
	Female	0	0.0*	0.0	0.8	5	1.3*	0.4	3.0	2	0.5*	0.1	1.9
	Unk	0				0				0			
	Total	0	0.0*	0.0	0.4	13	1.7*	0.9	2.8	3	0.4*	0.1	1.1
2001	Male	11	2.7*	1.4	4.9	5	1.2*	0.4	2.9	1	0.2*	0.0	1.4
	Female	0	0.0*	0.0	0.8	4	1.0*	0.3	2.7	0	0.0*	0.0	0.8
	Unk	0				0				0			
	Total	11	1.4*	0.7	2.5	9	1.1*	0.5	2.2	1	0.1*	0.0	0.7
2002	Male	2	0.5*	0.1	1.8	8	2.0*	0.9	3.9	1	0.2*	0.0	1.4
	Female	0	0.0*	0.0	0.8	3	0.8*	0.2	2.3	0	0.0*	0.0	0.8
	Unk	0				0				0			
	Total	2	0.3*	0.0	0.9	11	1.4*	0.7	2.5	1	0.1*	0.0	0.7
2003	Male	0	0.0*	0.0	0.7	6	1.5*	0.5	3.3	0	0.0*	0.0	0.7
	Female	0	0.0*	0.0	0.8	3	0.8*	0.2	2.3	0	0.0*	0.0	0.8
	Unk	0				0				0			
	Total	0	0.0*	0.0	0.4	9	1.1*	0.5	2.2	0	0.0*	0.0	0.4

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; Rates not calculated for the sex category Unknown; * = Unstable Rate (n<20); Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

APPENDIX C2: Frequency and Unadjusted Rates for 21 Selected Diseases by Sex, San Francisco, 1986-2003

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Year	Sex	Pertussis			Salmonellosis			Shigellosis					
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1986	Male	3	0.8*	0.2	2.4	125	33.9	28.2	40.4	329	89.3	79.9	99.5
	Female	0	0.0*	0.0	0.8	77	20.9	16.5	26.1	79	21.4	16.9	26.7
	Unk	0			1			0					
	Total	3	0.4*	0.1	1.2	203	27.5	23.9	31.6	408	55.3	50.1	61.0
1987	Male	0	0.0*	0.0	0.8	108	29.4	24.1	35.4	300	81.5	72.6	91.3
	Female	0	0.0*	0.0	0.8	77	20.9	16.5	26.2	79	21.5	17.0	26.8
	Unk	0			1			0					
	Total	0	0.0*	0.0	0.4	186	25.3	21.8	29.2	379	51.5	46.4	57.0
1988	Male	1	0.3*	0.0	1.5	115	31.5	26.0	37.8	280	76.7	67.9	86.2
	Female	2	0.5*	0.1	2.0	76	20.8	16.4	26.1	104	28.5	23.3	34.5
	Unk	0			1			0					
	Total	3	0.4*	0.1	1.2	192	26.3	22.7	30.3	384	52.6	47.5	58.1
1989	Male	4	1.1*	0.3	2.8	113	31.2	25.7	37.5	274	75.6	66.9	85.1
	Female	3	0.8*	0.2	2.4	69	19.1	14.8	24.1	87	24.0	19.3	29.7
	Unk	0			1			0					
	Total	7	1.0*	0.4	2.0	183	25.3	21.7	29.2	361	49.8	44.8	55.2
1990	Male	2	0.6*	0.1	2.0	126	34.7	28.9	41.3	261	71.9	63.5	81.2
	Female	2	0.6*	0.1	2.0	87	24.1	19.3	29.8	101	28.0	22.8	34.1
	Unk	0			2			0					
	Total	4	0.6*	0.2	1.4	215	29.7	25.9	34.0	362	50.1	45.0	55.5
1991	Male	2	0.5*	0.1	2.0	128	35.0	29.2	41.6	191	52.2	45.1	60.2
	Female	2	0.6*	0.1	2.0	60	16.6	12.7	21.4	88	24.4	19.6	30.0
	Unk	0			0			0					
	Total	4	0.6*	0.1	1.4	188	25.9	22.3	29.8	279	38.4	34.0	43.2
1992	Male	2	0.5*	0.1	2.0	128	34.7	29.0	41.3	205	55.6	48.3	63.8
	Female	3	0.8*	0.2	2.4	93	25.6	20.7	31.4	128	35.3	29.5	42.0
	Unk	0			0			1					
	Total	5	0.7*	0.2	1.6	221	30.2	26.4	34.5	334	45.7	40.9	50.9
1993	Male	2	0.5*	0.1	1.9	124	33.0	27.4	39.3	163	43.3	36.9	50.5
	Female	3	0.8*	0.2	2.4	81	21.9	17.4	27.3	78	21.1	16.7	26.4
	Unk	0			0			0					
	Total	5	0.7*	0.2	1.6	205	27.5	23.9	31.5	241	32.3	28.4	36.7
1994	Male	1	0.3*	0.0	1.5	111	29.6	24.3	35.6	163	43.4	37.0	50.6
	Female	10	2.7*	1.3	5.0	82	22.3	17.7	27.7	74	20.1	15.8	25.3
	Unk	0			0			0					
	Total	11	1.5*	0.7	2.6	193	26.0	22.4	29.9	237	31.9	28.0	36.2

Year	Sex	Pertussis			Salmonellosis			Shigellosis					
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1995	Male	9	2.4*	1.1	4.6	112	29.9	24.6	36.0	248	66.2	58.2	75.0
	Female	14	3.8*	2.1	6.4	85	23.3	18.6	28.8	77	21.1	16.6	26.3
	Unk	0			0			0					
	Total	23	3.1	2.0	4.7	197	26.6	23.0	30.6	325	43.9	39.3	49.0
1996	Male	8	2.1*	0.9	4.2	98	26.0	21.1	31.7	185	49.1	42.3	56.7
	Female	3	0.8*	0.2	2.4	90	24.5	19.7	30.1	76	20.7	16.3	25.9
	Unk	0			0			0					
	Total	11	1.5*	0.7	2.6	188	25.3	21.8	29.1	261	35.1	30.9	39.6
1997	Male	2	0.5*	0.1	1.9	121	31.8	26.4	38.0	157	41.3	35.1	48.3
	Female	8	2.2*	0.9	4.3	83	22.5	17.9	27.9	49	13.3	9.8	17.5
	Unk	0			0			0					
	Total	10	1.3*	0.6	2.5	204	27.2	23.6	31.2	206	27.5	23.9	31.5
1998	Male	11	2.9*	1.4	5.1	90	23.4	18.8	28.7	104	27.0	22.1	32.7
	Female	24	6.4	4.1	9.6	88	23.6	18.9	29.1	52	13.9	10.4	18.3
	Unk	0			0			0					
	Total	35	4.6	3.2	6.4	178	23.5	20.2	27.2	156	20.6	17.5	24.1
1999	Male	7	1.8*	0.7	3.7	101	25.9	21.1	31.5	73	18.7	14.7	23.6
	Female	19	5.0*	3.0	7.9	68	18.0	14.0	22.9	40	10.6	7.6	14.5
	Unk	0			0			0					
	Total	26	3.4	2.2	5.0	169	22.0	18.8	25.6	113	14.7	12.1	17.7
2000	Male	12	3.0*	1.6	5.3	65	16.3	12.6	20.8	311	78.2	69.8	87.4
	Female	19	5.0*	3.0	7.7	72	18.8	14.7	23.6	45	11.7	8.6	15.7
	Unk	0			0			0					
	Total	31	4.0	2.7	5.6	137	17.5	14.7	20.7	356	45.6	41.0	50.6
2001	Male	5	1.2*	0.4	2.9	89	22.2	17.8	27.3	255	63.6	56.1	71.9
	Female	4	1.0*	0.3	2.7	69	17.9	13.9	22.6	30	7.8	5.2	11.1
	Unk	0			0			0					
	Total	9	1.1*	0.5	2.2	158	20.1	17.1	23.5	285	36.2	32.1	40.7
2002	Male	4	1.0*	0.3	2.6	76	18.9	14.9	23.7	144	35.9	30.3	42.2
	Female	2	0.5*	0.1	1.9	74	19.1	15.0	24.0	42	10.9	7.8	14.7
	Unk	0			0			0					
	Total	6	0.8*	0.3	1.7	150	19.0	16.1	22.3	186	23.6	20.3	27.2
2003	Male	4	1.0*	0.3	2.6	66	16.5	12.7	21.0	117	29.2	24.1	35.0
	Female	6	1.6*	0.6	3.4	69	17.9	13.9	22.6	39	10.1	7.2	13.8
	Unk	0			2			0					
	Total	10	1.3*	0.6	2.3	137	17.4	14.6	20.6	156	19.8	16.8	23.2

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; Rates not calculated for the sex category Unknown; * = Unstable Rate (n<20); Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

APPENDIX C2: Frequency and Unadjusted Rates for 21 Selected Diseases by Sex, San Francisco, 1986-2003

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Year	Sex	Acute Typhoid Fever			Viral Meningitis			Vibriosis					
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1986	Male	2	0.5*	0.1	2.0	4	1.1*	0.3	2.8	0	0.0*	0.0	0.8
	Female	2	0.5*	0.1	2.0	5	1.4*	0.4	3.2	0	0.0*	0.0	0.8
	Unk	0				0			0				
	Total	4	0.5*	0.1	1.4	9	1.2*	0.6	2.3	0	0.0*	0.0	0.4
1987	Male	2	0.5*	0.1	2.0	0	0.0*	0.0	0.8	0	0.0*	0.0	0.8
	Female	3	0.8*	0.2	2.4	1	0.3*	0.0	1.5	0	0.0*	0.0	0.8
	Unk	0				0			0				
	Total	5	0.7*	0.2	1.6	1	0.1*	0.0	0.8	0	0.0*	0.0	0.4
1988	Male	7	1.9*	0.8	3.9	6	1.6*	0.6	3.6	8	2.2*	0.9	4.3
	Female	5	1.4*	0.4	3.2	3	0.8*	0.2	2.4	3	0.8*	0.2	2.4
	Unk	0				0			0				
	Total	12	1.6*	0.8	2.9	9	1.2*	0.6	2.3	11	1.5*	0.8	2.7
1989	Male	4	1.1*	0.3	2.8	14	3.9*	2.1	6.5	12	3.3*	1.7	5.8
	Female	5	1.4*	0.4	3.2	8	2.2*	1.0	4.4	0	0.0*	0.0	0.8
	Unk	0				0			0				
	Total	9	1.2*	0.6	2.4	22	3.0	1.9	4.6	12	1.7*	0.9	2.9
1990	Male	3	0.8*	0.2	2.4	9	2.5*	1.1	4.7	6	1.7*	0.6	3.6
	Female	0	0.0*	0.0	0.8	14	3.9*	2.1	6.5	1	0.3*	0.0	1.5
	Unk	0				0			0				
	Total	3	0.4*	0.1	1.2	23	3.2	2.0	4.8	7	1.0*	0.4	2.0
1991	Male	5	1.4*	0.4	3.2	12	3.3*	1.7	5.7	4	1.1*	0.3	2.8
	Female	3	0.8*	0.2	2.4	11	3.0*	1.5	5.5	1	0.3*	0.0	1.5
	Unk	0				0			0				
	Total	8	1.1*	0.5	2.2	23	3.2	2.0	4.7	5	0.7*	0.2	1.6
1992	Male	1	0.3*	0.0	1.5	10	2.7*	1.3	5.0	4	1.1*	0.3	2.8
	Female	0	0.0*	0.0	0.8	14	3.9*	2.1	6.5	3	0.8*	0.2	2.4
	Unk	0				0			0				
	Total	1	0.1*	0.0	0.8	24	3.3	2.1	4.9	7	1.0*	0.4	2.0
1993	Male	2	0.5*	0.1	1.9	7	1.9*	0.7	3.8	4	1.1*	0.3	2.7
	Female	2	0.5*	0.1	2.0	4	1.1*	0.3	2.8	0	0.0*	0.0	0.8
	Unk	0				0			0				
	Total	4	0.5*	0.1	1.4	11	1.5*	0.7	2.6	4	0.5*	0.1	1.4
1994	Male	2	0.5*	0.1	1.9	0	0.0*	0.0	0.8	2	0.5*	0.1	1.9
	Female	2	0.5*	0.1	2.0	2	0.5*	0.1	2.0	2	0.5*	0.1	2.0
	Unk	0				0			0				
	Total	4	0.5*	0.1	1.4	2	0.3*	0.0	1.0	4	0.5*	0.1	1.4

Year	Sex	Acute Typhoid Fever			Viral Meningitis			Vibriosis					
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1995	Male	4	1.1*	0.3	2.7	1	0.3*	0.0	1.5	5	1.3*	0.4	3.1
	Female	1	0.3*	0.0	1.5	2	0.5*	0.1	2.0	0	0.0*	0.0	0.8
	Unk	0				0			0				
	Total	5	0.7*	0.2	1.6	3	0.4*	0.1	1.2	5	0.7*	0.2	1.6
1996	Male	2	0.5*	0.1	1.9	1	0.3*	0.0	1.5	4	1.1*	0.3	2.7
	Female	1	0.3*	0.0	1.5	4	1.1*	0.3	2.8	4	1.1*	0.3	2.8
	Unk	0				0			0				
	Total	3	0.4*	0.1	1.2	5	0.7*	0.2	1.6	8	1.1*	0.5	2.1
1997	Male	3	0.8*	0.2	2.3	0	0.0*	0.0	0.8	16	4.2*	2.4	6.8
	Female	1	0.3*	0.0	1.5	4	1.1*	0.3	2.8	9	2.4*	1.1	4.6
	Unk	0				0			0				
	Total	4	0.5*	0.1	1.4	4	0.5*	0.1	1.4	25	3.3	2.2	4.9
1998	Male	2	0.5*	0.1	1.9	4	1.0*	0.3	2.7	6	1.6*	0.6	3.4
	Female	2	0.5*	0.1	1.9	4	1.1*	0.3	2.7	3	0.8*	0.2	2.4
	Unk	0				0			0				
	Total	4	0.5*	0.1	1.4	8	1.1*	0.5	2.1	9	1.2*	0.5	2.3
1999	Male	0	0.0*	0.0	0.8	2	0.5*	0.1	1.9	5	1.3*	0.4	3.0
	Female	1	0.3*	0.0	1.5	0	0.0*	0.0	0.8	3	0.8*	0.2	2.3
	Unk	0				0			0				
	Total	1	0.1*	0.0	0.7	2	0.3*	0.0	0.9	8	1.0*	0.5	2.1
2000	Male	0	0.0*	0.0	0.8	1	0.3*	0.0	1.4	11	2.8*	1.4	5.0
	Female	1	0.3*	0.0	1.5	1	0.3*	0.0	1.5	1	0.3*	0.0	1.5
	Unk	0				0			0				
	Total	1	0.1*	0.0	0.7	2	0.3*	0.0	0.9	12	1.5*	0.8	2.7
2001	Male	2	0.5*	0.1	1.8	7	1.7*	0.7	3.6	2	0.5*	0.1	1.8
	Female	4	1.0*	0.3	2.7	8	2.1*	0.9	4.1	2	0.5*	0.1	1.9
	Unk	0				0			0				
	Total	6	0.8*	0.3	1.7	15	1.9*	1.1	3.1	4	0.5*	0.1	1.3
2002	Male	1	0.2*	0.0	1.4	6	1.5*	0.5	3.3	3	0.7*	0.2	2.2
	Female	1	0.3*	0.0	1.4	5	1.3*	0.4	3.0	2	0.5*	0.1	1.9
	Unk	0				0			0				
	Total	2	0.3*	0.0	0.9	11	1.4*	0.7	2.5	5	0.6*	0.2	1.5
2003	Male	1	0.2*	0.0	1.4	2	0.5*	0.1	1.8	6	1.5*	0.5	3.3
	Female	0	0.0*	0.0	0.8	5	1.3*	0.4	3.0	1	0.3*	0.0	1.4
	Unk	0				0			0				
	Total	1	0.1*	0.0	0.7	7	0.9*	0.4	1.8	7	0.9*	0.4	1.8

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Rates are cases per 100,000 population; Rates not calculated for the sex category Unknown; * = Unstable Rate (n<20); Unstable rates should not be compared statistically.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Amebiasis					Campylobacteriosis					Coccidioidomycosis				
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL			
1986	White	338	93.0	83.4	103.5	279	76.8	68.0	86.4	1	0.3*	0.0	1.5			
	Black	15	18.0*	10.1	29.8	31	37.3	25.3	52.9	0	0.0*	0.0	3.6			
	Asian/PI	14	7.4*	4.0	12.4	43	22.6	16.4	30.5	0	0.0*	0.0	1.6			
	Hispanic	55	56.0	42.2	72.9	34	34.6	24.0	48.3	0	0.0*	0.0	3.0			
	Am Indian	1	35.0*	0.9	194.8	0	0.0*	0.0	104.7	0	0.0*	0.0	104.7			
	Other	2				7				0						
	Unknown	71				180				1						
	Total	496	67.3	61.5	73.4	574	77.8	71.6	84.5	2	0.3*	0.0	1.0			
1987	White	207	57.9	50.3	66.3	209	58.5	50.8	66.9	1	0.3*	0.0	1.6			
	Black	13	16.0*	8.5	27.3	23	28.2	17.9	42.3	0	0.0*	0.0	3.7			
	Asian/PI	18	9.2*	5.5	14.6	25	12.8	8.3	18.9	0	0.0*	0.0	1.5			
	Hispanic	43	43.3	31.4	58.4	39	39.3	27.9	53.7	1	1.0*	0.0	5.6			
	Am Indian	0	0.0*	0.0	106.9	1	35.7*	0.9	198.8	0	0.0*	0.0	106.9			
	Other	2				1				0						
	Unknown	78				66				0						
	Total	361	49.1	44.1	54.4	364	49.5	44.5	54.8	2	0.3*	0.0	1.0			
1988	White	214	61.2	53.2	69.9	242	69.2	60.7	78.5	1	0.3*	0.0	1.6			
	Black	5	6.3*	2.0	14.7	26	32.7	21.4	48.0	0	0.0*	0.0	3.8			
	Asian/PI	11	5.5*	2.8	9.9	43	21.7	15.7	29.2	2	1.0*	0.1	3.6			
	Hispanic	42	42.2	30.4	57.0	36	36.1	25.3	50.0	0	0.0*	0.0	3.0			
	Am Indian	0	0.0*	0.0	109.6	1	36.6*	0.9	203.8	0	0.0*	0.0	109.6			
	Other	4				0				0						
	Unknown	55				110				4						
	Total	331	45.3	40.6	50.5	458	62.7	57.1	68.7	7	1.0*	0.4	2.0			
1989	White	188	54.9	47.3	63.3	302	88.2	78.5	98.7	0	0.0*	0.0	0.9			
	Black	13	16.8*	8.9	28.7	34	43.9	30.4	61.4	0	0.0*	0.0	3.9			
	Asian/PI	2	1.0*	0.1	3.6	83	41.1	32.7	50.9	1	0.5*	0.0	2.8			
	Hispanic	38	38.0	26.9	52.2	52	52.0	38.9	68.2	0	0.0*	0.0	3.0			
	Am Indian	1	37.5*	0.9	208.7	1	37.5*	0.9	208.7	0	0.0*	0.0	112.2			
	Other	2				4				0						
	Unknown	41				111				4						
	Total	285	39.3	34.9	44.2	587	81.0	74.6	87.8	5	0.7*	0.2	1.6			
1990	White	207	61.4	53.3	70.4	410	121.6	110.1	134.0	2	0.6*	0.1	2.1			
	Black	13	17.1*	9.1	29.3	39	51.3	36.5	70.2	1	1.3*	0.0	7.3			
	Asian/PI	10	4.8*	2.3	8.9	113	54.7	45.0	65.7	2	1.0*	0.1	3.5			
	Hispanic	47	46.7	34.3	62.1	104	103.3	84.4	125.2	0	0.0*	0.0	3.0			
	Am Indian	0	0.0*	0.0	110.3	1	36.8*	0.9	205.2	0	0.0*	0.0	110.3			
	Other	1				5				0						
	Unknown	45				110				0						
	Total	323	44.7	39.9	49.8	782	108.1	100.7	116.0	5	0.7*	0.2	1.6			
1991	White	209	62.1	54.0	71.1	369	109.6	98.7	121.4	1	0.3*	0.0	1.7			
	Black	8	10.7*	4.6	21.0	44	58.6	42.6	78.7	1	1.3*	0.0	7.4			
	Asian/PI	10	4.7*	2.3	8.7	155	73.6	62.4	86.1	0	0.0*	0.0	1.4			
	Hispanic	40	39.5	28.3	53.8	101	99.8	81.3	121.3	0	0.0*	0.0	3.0			
	Am Indian	1	32.6*	0.8	181.7	1	32.6*	0.8	181.7	0	0.0*	0.0	97.7			
	Other	2				9				0						
	Unknown	44				99				1						
	Total	314	43.2	38.6	48.3	778	107.1	99.7	114.9	3	0.4*	0.1	1.2			

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Am Indian = American Indian or Alaska Native; Asian/PI = Asian or Pacific Islander

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

Rates not calculated for the race/ethnicity categories Other & Unknown.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Amebiasis					Campylobacteriosis					Coccidioidomycosis				
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL			
1992	White	42	12.5	9.0	16.8	195	57.8	50.0	66.5	3	0.9*	0.2	2.6			
	Black	3	4.1*	0.8	12.0	12	16.4*	8.5	28.7	3	4.1*	0.8	12.0			
	Asian/PI	3	1.4*	0.3	4.1	102	47.4	38.6	57.5	2	0.9*	0.1	3.4			
	Hispanic	18	17.6*	10.5	27.9	46	45.1	33.0	60.2	3	2.9*	0.6	8.6			
	Am Indian	0	0.0*	0.0	87.2	1	29.1*	0.7	162.1	0	0.0*	0.0	87.2			
	Other	1			3				0							
	Unknown	121			345				0							
	Total	188	25.7	22.2	29.7	704	96.3	89.3	103.7	11	1.5*	0.8	2.7			
1993	White	79	23.2	18.4	28.9	121	35.5	29.5	42.4	5	1.5*	0.5	3.4			
	Black	9	12.5*	5.7	23.7	9	12.5*	5.7	23.7	0	0.0*	0.0	4.1			
	Asian/PI	15	6.8*	3.8	11.2	114	51.4	42.4	61.8	5	2.3*	0.7	5.3			
	Hispanic	23	21.6	13.7	32.4	43	40.3	29.2	54.3	2	1.9*	0.2	6.8			
	Am Indian	1	26.2*	0.7	146.1	0	0.0*	0.0	78.6	0	0.0*	0.0	78.6			
	Other	1			0				0							
	Unknown	134			330				0							
	Total	262	35.2	31.0	39.7	617	82.8	76.4	89.6	12	1.6*	0.8	2.8			
1994	White	87	25.6	20.5	31.6	116	34.2	28.2	41.0	3	0.9*	0.2	2.6			
	Black	13	18.5*	9.8	31.6	14	19.9*	10.9	33.4	3	4.3*	0.9	12.5			
	Asian/PI	11	4.9*	2.4	8.7	117	52.0	43.0	62.3	0	0.0*	0.0	1.3			
	Hispanic	30	28.9	19.5	41.2	51	49.0	36.5	64.5	0	0.0*	0.0	2.9			
	Am Indian	0	0.0*	0.0	72.3	0	0.0*	0.0	72.3	0	0.0*	0.0	72.3			
	Other	4			0				0							
	Unknown	107			322				1							
	Total	252	33.9	29.8	38.4	620	83.4	77.0	90.2	7	0.9*	0.4	1.9			
1995	White	129	38.3	32.0	45.6	185	55.0	47.3	63.5	2	0.6*	0.1	2.1			
	Black	12	17.6*	9.1	30.7	20	29.3	17.9	45.3	0	0.0*	0.0	4.4			
	Asian/PI	7	3.1*	1.2	6.4	89	39.2	31.5	48.2	0	0.0*	0.0	1.3			
	Hispanic	25	24.1	15.6	35.6	66	63.7	49.3	81.0	0	0.0*	0.0	2.9			
	Am Indian	1	22.4*	0.6	124.9	0	0.0*	0.0	67.2	0	0.0*	0.0	67.2			
	Other	3			3				0							
	Unknown	107			200				0							
	Total	284	38.4	34.0	43.1	563	76.1	69.9	82.6	2	0.3*	0.0	1.0			
1996	White	119	35.3	29.3	42.3	263	78.1	68.9	88.1	2	0.6*	0.1	2.1			
	Black	1	1.5*	0.0	8.3	15	22.5*	12.6	37.0	1	1.5*	0.0	8.3			
	Asian/PI	6	2.6*	1.0	5.6	129	55.8	46.5	66.2	0	0.0*	0.0	1.3			
	Hispanic	10	9.6*	4.6	17.6	65	62.3	48.1	79.4	0	0.0*	0.0	2.9			
	Am Indian	0	0.0*	0.0	62.3	0	0.0*	0.0	62.3	0	0.0*	0.0	62.3			
	Other	3			1				0							
	Unknown	33			137				1							
	Total	172	23.1	19.8	26.8	610	82.0	75.6	88.8	4	0.5*	0.1	1.4			
1997	White	124	36.7	30.6	43.8	118	35.0	28.9	41.9	0	0.0*	0.0	0.9			
	Black	12	18.3*	9.5	32.0	10	15.3*	7.3	28.1	0	0.0*	0.0	4.6			
	Asian/PI	7	3.0*	1.2	6.1	117	49.6	41.0	59.4	0	0.0*	0.0	1.3			
	Hispanic	33	31.4	21.6	44.0	37	35.2	24.8	48.5	1	1.0*	0.0	5.3			
	Am Indian	0	0.0*	0.0	58.0	0	0.0*	0.0	58.0	0	0.0*	0.0	58.0			
	Other	1			0				0							
	Unknown	113			282				1							
	Total	290	38.7	34.4	43.4	564	75.3	69.2	81.7	2	0.3*	0.0	1.0			

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Am Indian = American Indian or Alaska Native; Asian/PI = Asian or Pacific Islander

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

Rates not calculated for the race/ethnicity categories Other & Unknown.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Amebiasis					Campylobacteriosis					Coccidioidomycosis				
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL			
1998	White	81	23.8	18.9	29.6	96	28.2	22.9	34.5	1	0.3*	0.0	1.6			
	Black	11	17.1*	8.5	30.6	11	17.1*	8.5	30.6	0	0.0*	0.0	4.7			
	Asian/PI	7	2.9*	1.2	6.0	78	32.3	25.5	40.3	0	0.0*	0.0	1.2			
	Hispanic	20	18.8	11.5	29.0	30	28.1	19.0	40.2	1	0.9*	0.0	5.2			
	Am Indian	0	0.0*	0.0	54.0	1	18.0*	0.5	100.4	0	0.0*	0.0	54.0			
	Other	3		1				0								
	Unknown	66		211				1								
	Total	188	24.8	21.4	28.6	428	56.4	51.2	62.1	3	0.4*	0.1	1.2			
1999	White	62	18.1	13.9	23.2	54	15.8	11.9	20.6	0	0.0*	0.0	0.9			
	Black	16	25.3*	14.4	41.0	6	9.5*	3.5	20.6	0	0.0*	0.0	4.7			
	Asian/PI	0	0.0*	0.0	1.2	17	6.9*	4.0	11.0	0	0.0*	0.0	1.2			
	Hispanic	32	29.7	20.3	41.9	7	6.5*	2.6	13.4	0	0.0*	0.0	2.8			
	Am Indian	0	0.0*	0.0	50.5	1	16.9*	0.4	93.9	0	0.0*	0.0	50.5			
	Other	1		3				0								
	Unknown	63		261				3								
	Total	174	22.7	19.5	26.3	349	45.5	40.9	50.6	3	0.4*	0.1	1.1			
2000	White	78	22.5	17.7	28.0	74	21.3	16.7	26.7	0	0.0*	0.0	0.9			
	Black	8	13.0*	5.6	25.6	8	13.0*	5.6	25.6	1	1.6*	0.0	9.1			
	Asian/PI	7	2.7*	1.1	5.6	27	10.5	6.9	15.3	0	0.0*	0.0	1.2			
	Hispanic	21	19.1	11.8	29.2	16	14.6*	8.3	23.7	0	0.0*	0.0	2.7			
	Am Indian	0	0.0*	0.0	50.3	0	0.0*	0.0	50.3	0	0.0*	0.0	50.3			
	Other	5		2				0								
	Unknown	42		316				1								
	Total	161	20.6	17.5	24.1	443	56.7	51.6	62.2	2	0.3*	0.0	0.9			
2001	White	86	24.7	19.7	30.5	65	18.6	14.4	23.8	0	0.0*	0.0	0.9			
	Black	13	21.5*	11.5	36.8	4	6.6*	1.8	17.0	0	0.0*	0.0	5.0			
	Asian/PI	2	0.8*	0.1	2.8	23	8.8	5.6	13.3	1	0.4*	0.0	2.1			
	Hispanic	33	29.5	20.3	41.5	10	8.9*	4.3	16.4	1	0.9*	0.0	5.0			
	Am Indian	1	15.6*	0.4	86.8	0	0.0*	0.0	46.7	0	0.0*	0.0	46.7			
	Other	5		0				0								
	Unknown	6		312				1								
	Total	146	18.5	15.7	21.8	414	52.6	47.7	57.9	3	0.4*	0.1	1.1			
2002	White	103	29.6	24.2	35.9	33	9.5	6.5	13.3	0	0.0*	0.0	0.9			
	Black	6	10.1*	3.7	21.9	3	5.0*	1.0	14.7	0	0.0*	0.0	5.0			
	Asian/PI	2	0.8*	0.1	2.8	22	8.4	5.3	12.8	0	0.0*	0.0	1.2			
	Hispanic	27	23.8	15.7	34.6	13	11.4*	6.1	19.6	0	0.0*	0.0	2.6			
	Am Indian	1	15.2*	0.4	84.5	1	15.2*	0.4	84.5	0	0.0*	0.0	45.4			
	Other	3		2				0								
	Unknown	8		302				1								
	Total	150	19.0	16.1	22.3	376	47.7	43.0	52.8	1	0.1*	0.0	0.7			
2003	White	68	19.5	15.2	24.8	31	8.9	6.1	12.6	0	0.0*	0.0	0.9			
	Black	5	8.4*	2.7	19.5	6	10.0*	3.7	21.8	0	0.0*	0.0	5.0			
	Asian/PI	1	0.4*	0.0	2.2	24	9.3	6.0	13.8	0	0.0*	0.0	1.2			
	Hispanic	22	19.3	12.1	29.1	7	6.1*	2.5	12.6	0	0.0*	0.0	2.6			
	Am Indian	0	0.0*	0.0	45.3	1	15.1*	0.4	84.2	0	0.0*	0.0	45.3			
	Other	1		2				0								
	Unknown	11		262				3								
	Total	108	13.7	11.3	16.6	333	42.3	37.9	47.1	3	0.4*	0.1	1.1			

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

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Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

Rates not calculated for the race/ethnicity categories Other & Unknown.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Cryptosporidiosis					E.coli O157:H7					Giardiasis				
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL			
1986	White	0	0.0*	0.0	0.8	0	0.0*	0.0	0.8	141	38.8	32.7	45.8			
	Black	0	0.0*	0.0	3.6	0	0.0*	0.0	3.6	12	14.4*	7.5	25.2			
	Asian/PI	0	0.0*	0.0	1.6	0	0.0*	0.0	1.6	32	16.8	11.5	23.8			
	Hispanic	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0	69	70.2	54.6	88.9			
	Am Indian	0	0.0*	0.0	104.7	0	0.0*	0.0	104.7	0	0.0*	0.0	104.7			
	Other	0			0					5						
	Unknown	0			0					54						
	Total	0	0.0*	0.0	0.4	0	0.0*	0.0	0.4	313	42.4	37.9	47.4			
1987	White	0	0.0*	0.0	0.8	0	0.0*	0.0	0.8	104	29.1	23.8	35.2			
	Black	0	0.0*	0.0	3.7	0	0.0*	0.0	3.7	9	11.0*	5.0	21.0			
	Asian/PI	0	0.0*	0.0	1.5	0	0.0*	0.0	1.5	42	21.6	15.5	29.1			
	Hispanic	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0	60	60.5	46.1	77.8			
	Am Indian	0	0.0*	0.0	106.9	0	0.0*	0.0	106.9	0	0.0*	0.0	106.9			
	Other	0			0					0						
	Unknown	0			0					52						
	Total	0	0.0*	0.0	0.4	0	0.0*	0.0	0.4	267	36.3	32.1	40.9			
1988	White	0	0.0*	0.0	0.9	0	0.0*	0.0	0.9	143	40.9	34.5	48.2			
	Black	0	0.0*	0.0	3.8	0	0.0*	0.0	3.8	5	6.3*	2.0	14.7			
	Asian/PI	0	0.0*	0.0	1.5	0	0.0*	0.0	1.5	46	23.2	17.0	30.9			
	Hispanic	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0	92	92.4	74.5	113.3			
	Am Indian	0	0.0*	0.0	109.6	0	0.0*	0.0	109.6	0	0.0*	0.0	109.6			
	Other	0			0					4						
	Unknown	0			0					45						
	Total	0	0.0*	0.0	0.4	0	0.0*	0.0	0.4	335	45.9	41.1	51.1			
1989	White	2	0.6*	0.1	2.1	0	0.0*	0.0	0.9	168	49.1	41.9	57.1			
	Black	0	0.0*	0.0	3.9	0	0.0*	0.0	3.9	12	15.5*	8.0	27.1			
	Asian/PI	0	0.0*	0.0	1.5	0	0.0*	0.0	1.5	29	14.4	9.6	20.6			
	Hispanic	1	1.0*	0.0	5.6	0	0.0*	0.0	3.0	62	62.0	47.6	79.5			
	Am Indian	0	0.0*	0.0	112.2	0	0.0*	0.0	112.2	0	0.0*	0.0	112.2			
	Other	0			0					3						
	Unknown	33			0					58						
	Total	36	5.0	3.5	6.9	0	0.0*	0.0	0.4	332	45.8	41.0	51.0			
1990	White	26	7.7	5.0	11.3	0	0.0*	0.0	0.9	173	51.3	44.0	59.6			
	Black	0	0.0*	0.0	3.9	0	0.0*	0.0	3.9	13	17.1*	9.1	29.3			
	Asian/PI	3	1.5*	0.3	4.2	0	0.0*	0.0	1.4	29	14.0	9.4	20.1			
	Hispanic	5	5.0*	1.6	11.6	0	0.0*	0.0	3.0	100	99.4	80.8	120.8			
	Am Indian	0	0.0*	0.0	110.3	0	0.0*	0.0	110.3	1	36.8*	0.9	205.2			
	Other	0			0					1						
	Unknown	93			0					44						
	Total	127	17.6	14.6	20.9	0	0.0*	0.0	0.4	361	49.9	44.9	55.3			
1991	White	36	10.7	7.5	14.8	0	0.0*	0.0	0.9	148	44.0	37.2	51.6			
	Black	3	4.0*	0.8	11.7	0	0.0*	0.0	4.0	11	14.7*	7.3	26.2			
	Asian/PI	1	0.5*	0.0	2.6	0	0.0*	0.0	1.4	23	10.9	6.9	16.4			
	Hispanic	20	19.8	12.1	30.5	0	0.0*	0.0	3.0	95	93.9	76.0	114.8			
	Am Indian	0	0.0*	0.0	97.7	0	0.0*	0.0	97.7	0	0.0*	0.0	97.7			
	Other	0			0					3						
	Unknown	81			0					36						
	Total	141	19.4	16.3	22.9	0	0.0*	0.0	0.4	316	43.5	38.8	48.6			

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

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Rates not calculated for the race/ethnicity categories Other & Unknown.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Cryptosporidiosis					E.coli O157:H7					Giardiasis				
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL			
1992	White	11	3.3*	1.6	5.8	0	0.0*	0.0	0.9	48	14.2	10.5	18.9			
	Black	1	1.4*	0.0	7.6	0	0.0*	0.0	4.1	8	11.0*	4.7	21.6			
	Asian/PI	0	0.0*	0.0	1.4	0	0.0*	0.0	1.4	5	2.3*	0.8	5.4			
	Hispanic	2	2.0*	0.2	7.1	0	0.0*	0.0	2.9	38	37.3	26.4	51.1			
	Am Indian	0	0.0*	0.0	87.2	0	0.0*	0.0	87.2	1	29.1*	0.7	162.1			
	Other	0		0					0							
	Unknown	69		0					147							
	Total	83	11.4	9.0	14.1	0	0.0*	0.0	0.4	247	33.8	29.7	38.3			
1993	White	50	14.7	10.9	19.3	4	1.2*	0.3	3.0	111	32.6	26.8	39.2			
	Black	2	2.8*	0.3	10.0	0	0.0*	0.0	4.1	21	29.1	18.0	44.5			
	Asian/PI	1	0.5*	0.0	2.5	0	0.0*	0.0	1.4	16	7.2*	4.1	11.7			
	Hispanic	14	13.1*	7.2	22.0	0	0.0*	0.0	2.8	43	40.3	29.2	54.3			
	Am Indian	0	0.0*	0.0	78.6	0	0.0*	0.0	78.6	1	26.2*	0.7	146.1			
	Other	2		0					5							
	Unknown	71		0					153							
	Total	140	18.8	15.8	22.2	4	0.5*	0.1	1.4	350	47.0	42.2	52.2			
1994	White	42	12.4	8.9	16.7	2	0.6*	0.1	2.1	133	39.2	32.8	46.4			
	Black	9	12.8*	5.8	24.3	0	0.0*	0.0	4.3	10	14.2*	6.8	26.1			
	Asian/PI	3	1.3*	0.3	3.9	0	0.0*	0.0	1.3	21	9.3	5.8	14.3			
	Hispanic	11	10.6*	5.3	18.9	2	1.9*	0.2	6.9	79	76.0	60.2	94.7			
	Am Indian	0	0.0*	0.0	72.3	0	0.0*	0.0	72.3	0	0.0*	0.0	72.3			
	Other	0		0					9							
	Unknown	52		0					156							
	Total	117	15.7	13.0	18.9	4	0.5*	0.1	1.4	408	54.9	49.7	60.5			
1995	White	77	22.9	18.1	28.6	2	0.6*	0.1	2.1	199	59.1	51.2	68.0			
	Black	4	5.9*	1.6	15.0	0	0.0*	0.0	4.4	22	32.2	20.2	48.8			
	Asian/PI	3	1.3*	0.3	3.9	0	0.0*	0.0	1.3	25	11.0	7.1	16.2			
	Hispanic	17	16.4*	9.6	26.3	0	0.0*	0.0	2.9	46	44.4	32.5	59.2			
	Am Indian	0	0.0*	0.0	67.2	0	0.0*	0.0	67.2	0	0.0*	0.0	67.2			
	Other	0		0					6							
	Unknown	25		0					112							
	Total	126	17.0	14.2	20.3	2	0.3*	0.0	1.0	410	55.4	50.2	61.0			
1996	White	44	13.1	9.5	17.5	3	0.9*	0.2	2.6	227	67.4	58.9	76.8			
	Black	6	9.0*	3.3	19.6	0	0.0*	0.0	4.5	11	16.5*	8.2	29.5			
	Asian/PI	5	2.2*	0.7	5.0	2	0.9*	0.1	3.1	14	6.1*	3.3	10.2			
	Hispanic	7	6.7*	2.7	13.8	0	0.0*	0.0	2.9	73	70.0	54.8	88.0			
	Am Indian	0	0.0*	0.0	62.3	0	0.0*	0.0	62.3	0	0.0*	0.0	62.3			
	Other	1		0					6							
	Unknown	20		0					69							
	Total	83	11.2	8.9	13.8	5	0.7*	0.2	1.6	400	53.8	48.6	59.3			
1997	White	26	7.7	5.0	11.3	0	0.0*	0.0	0.9	155	45.9	39.0	53.7			
	Black	6	9.2*	3.4	19.9	0	0.0*	0.0	4.6	18	27.5*	16.3	43.5			
	Asian/PI	1	0.4*	0.0	2.4	0	0.0*	0.0	1.3	11	4.7*	2.3	8.3			
	Hispanic	7	6.7*	2.7	13.7	1	1.0*	0.0	5.3	43	40.9	29.6	55.0			
	Am Indian	0	0.0*	0.0	58.0	0	0.0*	0.0	58.0	0	0.0*	0.0	58.0			
	Other	1		0					7							
	Unknown	21		1					138							
	Total	62	8.3	6.3	10.6	2	0.3*	0.0	1.0	372	49.6	44.7	54.9			

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**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Cryptosporidiosis					E.coli O157:H7					Giardiasis				
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL			
1998	White	38	11.2	7.9	15.3	8	2.4*	1.0	4.6	155	45.6	38.7	53.4			
	Black	4	6.2*	1.7	15.9	0	0.0*	0.0	4.7	12	18.6*	9.6	32.5			
	Asian/PI	1	0.4*	0.0	2.3	3	1.2*	0.3	3.6	14	5.8*	3.2	9.7			
	Hispanic	4	3.8*	1.0	9.6	0	0.0*	0.0	2.8	30	28.1	19.0	40.2			
	Am Indian	0	0.0*	0.0	54.0	0	0.0*	0.0	54.0	0	0.0*	0.0	54.0			
	Other	1			0					5						
	Unknown	11			1					148						
	Total	59	7.8	5.9	10.0	12	1.6*	0.8	2.8	364	48.0	43.2	53.2			
1999	White	49	14.3	10.6	18.9	2	0.6*	0.1	2.1	98	28.7	23.3	34.9			
	Black	4	6.3*	1.7	16.2	0	0.0*	0.0	4.7	5	7.9*	2.6	18.4			
	Asian/PI	1	0.4*	0.0	2.3	2	0.8*	0.1	2.9	11	4.4*	2.2	8.0			
	Hispanic	8	7.4*	3.2	14.6	1	0.9*	0.0	5.2	42	38.9	28.1	52.6			
	Am Indian	0	0.0*	0.0	50.5	0	0.0*	0.0	50.5	0	0.0*	0.0	50.5			
	Other	2			0					3						
	Unknown	7			0					190						
	Total	71	9.3	7.2	11.7	5	0.7*	0.2	1.5	349	45.5	40.9	50.6			
2000	White	27	7.8	5.1	11.3	4	1.2*	0.3	2.9	236	67.9	59.5	77.2			
	Black	2	3.2*	0.4	11.7	1	1.6*	0.0	9.1	6	9.7*	3.6	21.2			
	Asian/PI	1	0.4*	0.0	2.2	1	0.4*	0.0	2.2	12	4.7*	2.4	8.2			
	Hispanic	3	2.7*	0.6	8.0	0	0.0*	0.0	2.7	51	46.4	34.6	61.0			
	Am Indian	0	0.0*	0.0	50.3	0	0.0*	0.0	50.3	0	0.0*	0.0	50.3			
	Other	2			0					6						
	Unknown	8			0					69						
	Total	43	5.5	4.0	7.4	6	0.8*	0.3	1.7	380	48.6	43.9	53.8			
2001	White	17	4.9*	2.8	7.8	3	0.9*	0.2	2.5	249	71.4	62.8	80.9			
	Black	2	3.3*	0.4	12.0	0	0.0*	0.0	5.0	14	23.2*	12.7	38.9			
	Asian/PI	0	0.0*	0.0	1.2	3	1.2*	0.2	3.4	26	10.0	6.5	14.7			
	Hispanic	4	3.6*	1.0	9.2	2	1.8*	0.2	6.5	35	31.3	21.8	43.5			
	Am Indian	1	15.6*	0.4	86.8	0	0.0*	0.0	46.7	1	15.6*	0.4	86.8			
	Other	1			0					7						
	Unknown	11			0					22						
	Total	36	4.6	3.2	6.3	8	1.0*	0.4	2.0	354	45.0	40.4	49.9			
2002	White	9	2.6*	1.2	4.9	11	3.2*	1.6	5.7	212	60.9	53.0	69.7			
	Black	4	6.7*	1.8	17.2	1	1.7*	0.0	9.3	8	13.4*	5.8	26.4			
	Asian/PI	0	0.0*	0.0	1.2	2	0.8*	0.1	2.8	17	6.5*	3.8	10.5			
	Hispanic	1	0.9*	0.0	4.9	1	0.9*	0.0	4.9	43	37.9	27.4	51.0			
	Am Indian	0	0.0*	0.0	45.4	0	0.0*	0.0	45.4	3	45.5*	9.4	132.9			
	Other	0			1					12						
	Unknown	10			0					16						
	Total	24	3.0	2.0	4.5	16	2.0*	1.2	3.3	311	39.5	35.2	44.1			
2003	White	3	0.9*	0.2	2.5	20	5.7	3.5	8.9	164	47.1	40.2	54.9			
	Black	0	0.0*	0.0	5.0	1	1.7*	0.0	9.3	6	10.0*	3.7	21.8			
	Asian/PI	0	0.0*	0.0	1.2	2	0.8*	0.1	2.8	8	3.1*	1.3	6.1			
	Hispanic	0	0.0*	0.0	2.6	0	0.0*	0.0	2.6	25	21.9	14.2	32.3			
	Am Indian	0	0.0*	0.0	45.3	0	0.0*	0.0	45.3	1	15.1*	0.4	84.2			
	Other	0			0					3						
	Unknown	11			4					48						
	Total	14	1.8*	1.0	3.0	27	3.4	2.3	5.0	255	32.4	28.5	36.6			

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Am Indian = American Indian or Alaska Native; Asian/PI = Asian or Pacific Islander

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

Rates not calculated for the race/ethnicity categories Other & Unknown.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Hepatitis A					Acute Hepatitis B					Legionellosis				
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL			
1986	White	77	21.2	16.7	26.5	82	22.6	18.0	28.0	2	0.6*	0.1	2.0			
	Black	10	12.0*	5.8	22.1	27	32.5	21.4	47.3	0	0.0*	0.0	3.6			
	Asian/PI	8	4.2*	1.8	8.3	0	0.0*	0.0	1.6	0	0.0*	0.0	1.6			
	Hispanic	16	16.3*	9.3	26.4	15	15.3*	8.5	25.2	1	1.0*	0.0	5.7			
	Am Indian	2	69.9*	8.5	252.6	3	104.9*	21.6	306.5	0	0.0*	0.0	104.7			
	Other	0		0				0		0		0				
	Unknown	13			12					0		0				
	Total	126	17.1	14.2	20.3	139	18.8	15.8	22.3	3	0.4*	0.1	1.2			
1987	White	98	27.4	22.3	33.4	87	24.3	19.5	30.0	1	0.3*	0.0	1.6			
	Black	22	27.0	16.9	40.9	23	28.2	17.9	42.3	3	3.7*	0.8	10.8			
	Asian/PI	7	3.6*	1.4	7.4	9	4.6*	2.1	8.8	0	0.0*	0.0	1.5			
	Hispanic	16	16.1*	9.2	26.2	32	32.2	22.1	45.5	0	0.0*	0.0	3.0			
	Am Indian	1	35.7*	0.9	198.8	2	71.4*	8.6	257.8	0	0.0*	0.0	106.9			
	Other	0		0				0		0		0				
	Unknown	7			2					0		0				
	Total	151	20.5	17.4	24.1	155	21.1	17.9	24.7	4	0.5*	0.1	1.4			
1988	White	151	43.2	36.6	50.6	58	16.6	12.6	21.4	0	0.0*	0.0	0.9			
	Black	32	40.3	27.6	56.9	14	17.6*	9.6	29.6	0	0.0*	0.0	3.8			
	Asian/PI	11	5.5*	2.8	9.9	5	2.5*	0.8	5.9	0	0.0*	0.0	1.5			
	Hispanic	29	29.1	19.5	41.8	13	13.1*	7.0	22.3	0	0.0*	0.0	3.0			
	Am Indian	0	0.0*	0.0	109.6	1	36.6*	0.9	203.8	0	0.0*	0.0	109.6			
	Other	2		1				0		0		0				
	Unknown	16			4					0		0				
	Total	241	33.0	29.0	37.5	96	13.1	10.7	16.1	0	0.0*	0.0	0.4			
1989	White	137	40.0	33.6	47.3	36	10.5	7.4	14.6	4	1.2*	0.3	3.0			
	Black	38	49.1	34.7	67.4	18	23.2*	13.8	36.7	1	1.3*	0.0	7.2			
	Asian/PI	4	2.0*	0.5	5.1	3	1.5*	0.3	4.3	0	0.0*	0.0	1.5			
	Hispanic	32	32.0	21.9	45.2	14	14.0*	7.7	23.5	0	0.0*	0.0	3.0			
	Am Indian	1	37.5*	0.9	208.7	3	112.4*	23.2	328.4	0	0.0*	0.0	112.2			
	Other	1		0				0		0		0				
	Unknown	31			5					0		0				
	Total	244	33.7	29.6	38.2	79	10.9	8.6	13.6	5	0.7*	0.2	1.6			
1990	White	177	52.5	45.1	60.8	83	24.6	19.6	30.5	2	0.6*	0.1	2.1			
	Black	15	19.7*	11.1	32.6	39	51.3	36.5	70.2	0	0.0*	0.0	3.9			
	Asian/PI	10	4.8*	2.3	8.9	7	3.4*	1.4	7.0	0	0.0*	0.0	1.4			
	Hispanic	22	21.9	13.7	33.1	21	20.9	12.9	31.9	0	0.0*	0.0	3.0			
	Am Indian	0	0.0*	0.0	110.3	1	36.8*	0.9	205.2	0	0.0*	0.0	110.3			
	Other	2		0				0		0		0				
	Unknown	30			1					1		1				
	Total	256	35.4	31.2	40.0	152	21.0	17.8	24.6	3	0.4*	0.1	1.2			
1991	White	315	93.6	83.5	104.5	49	14.6	10.8	19.2	3	0.9*	0.2	2.6			
	Black	22	29.3	18.4	44.4	15	20.0*	11.2	33.0	2	2.7*	0.3	9.6			
	Asian/PI	15	7.1*	4.0	11.7	0	0.0*	0.0	1.4	1	0.5*	0.0	2.6			
	Hispanic	28	27.7	18.4	40.0	14	13.8*	7.6	23.2	1	1.0*	0.0	5.5			
	Am Indian	2	65.2*	7.9	235.6	2	65.2*	7.9	235.6	0	0.0*	0.0	97.7			
	Other	2		0				0		0		0				
	Unknown	21			5					1		1				
	Total	405	55.7	50.4	61.4	85	11.7	9.3	14.5	8	1.1*	0.5	2.2			

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

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Rates not calculated for the race/ethnicity categories Other & Unknown.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
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Year	Race/Ethnicity	Hepatitis A					Acute Hepatitis B					Legionellosis				
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL			
1992	White	242	71.7	63.0	81.4	35	10.4	7.2	14.4	1	0.3*	0.0	1.7			
	Black	25	34.3	22.2	50.6	13	17.8*	9.5	30.5	1	1.4*	0.0	7.6			
	Asian/PI	14	6.5*	3.6	10.9	4	1.9*	0.5	4.8	0	0.0*	0.0	1.4			
	Hispanic	43	42.2	30.5	56.8	11	10.8*	5.4	19.3	0	0.0*	0.0	2.9			
	Am Indian	1	29.1*	0.7	162.1	0	0.0*	0.0	87.2	0	0.0*	0.0	87.2			
	Other	3		0				0		0		0				
	Unknown	35		7				0		0		0				
	Total	363	49.7	44.7	55.0	70	9.6	7.5	12.1	2	0.3*	0.0	1.0			
1993	White	169	49.6	42.4	57.7	36	10.6	7.4	14.6	3	0.9*	0.2	2.6			
	Black	3	4.2*	0.9	12.1	16	22.2*	12.7	36.0	1	1.4*	0.0	7.7			
	Asian/PI	9	4.1*	1.9	7.7	3	1.4*	0.3	4.0	1	0.5*	0.0	2.5			
	Hispanic	12	11.2*	5.8	19.6	11	10.3*	5.1	18.4	0	0.0*	0.0	2.8			
	Am Indian	1	26.2*	0.7	146.1	0	0.0*	0.0	78.6	0	0.0*	0.0	78.6			
	Other	1		0				0		0		0				
	Unknown	25		11				1		1		1				
	Total	220	29.5	25.8	33.7	77	10.3	8.2	12.9	6	0.8*	0.3	1.8			
1994	White	230	67.7	59.2	77.1	41	12.1	8.7	16.4	2	0.6*	0.1	2.1			
	Black	13	18.5*	9.8	31.6	9	12.8*	5.8	24.3	0	0.0*	0.0	4.3			
	Asian/PI	6	2.7*	1.0	5.8	3	1.3*	0.3	3.9	0	0.0*	0.0	1.3			
	Hispanic	22	21.2	13.3	32.0	5	4.8*	1.6	11.2	0	0.0*	0.0	2.9			
	Am Indian	2	48.3*	5.8	174.5	4	96.6*	26.3	247.3	0	0.0*	0.0	72.3			
	Other	1		3				0		0		0				
	Unknown	23		7				0		0		0				
	Total	297	40.0	35.5	44.8	72	9.7	7.6	12.2	2	0.3*	0.0	1.0			
1995	White	340	101.1	90.6	112.4	35	10.4	7.2	14.5	1	0.3*	0.0	1.7			
	Black	47	68.9	50.6	91.6	3	4.4*	0.9	12.8	1	1.5*	0.0	8.2			
	Asian/PI	18	7.9*	4.7	12.5	4	1.8*	0.5	4.5	0	0.0*	0.0	1.3			
	Hispanic	21	20.3	12.5	31.0	7	6.8*	2.7	13.9	0	0.0*	0.0	2.9			
	Am Indian	3	67.3*	13.9	196.6	0	0.0*	0.0	67.2	0	0.0*	0.0	67.2			
	Other	3		0				0		0		0				
	Unknown	23		3				0		0		0				
	Total	455	61.5	56.0	67.4	52	7.0	5.2	9.2	2	0.3*	0.0	1.0			
1996	White	439	130.4	118.5	143.1	33	9.8	6.7	13.8	1	0.3*	0.0	1.7			
	Black	38	56.9	40.3	78.1	8	12.0*	5.2	23.6	0	0.0*	0.0	4.5			
	Asian/PI	17	7.3*	4.3	11.8	3	1.3*	0.3	3.8	0	0.0*	0.0	1.3			
	Hispanic	50	47.9	35.6	63.2	6	5.8*	2.1	12.5	0	0.0*	0.0	2.9			
	Am Indian	3	62.4*	12.9	182.2	1	20.8*	0.5	115.8	0	0.0*	0.0	62.3			
	Other	2		1				0		0		0				
	Unknown	31		7				1		1		1				
	Total	580	77.9	71.7	84.6	59	7.9	6.0	10.2	2	0.3*	0.0	1.0			
1997	White	439	130.1	118.2	142.8	30	8.9	6.0	12.7	0	0.0*	0.0	0.9			
	Black	32	48.9	33.4	69.0	6	9.2*	3.4	19.9	0	0.0*	0.0	4.6			
	Asian/PI	13	5.5*	2.9	9.4	7	3.0*	1.2	6.1	0	0.0*	0.0	1.3			
	Hispanic	44	41.8	30.4	56.1	9	8.6*	3.9	16.2	0	0.0*	0.0	2.8			
	Am Indian	3	58.1*	12.0	169.8	2	38.7*	4.7	139.9	0	0.0*	0.0	58.0			
	Other	8		0				0		0		0				
	Unknown	44		4				0		0		0				
	Total	583	77.8	71.6	84.4	58	7.7	5.9	10.0	0	0.0*	0.0	0.4			

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

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**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Hepatitis A					Acute Hepatitis B					Legionellosis				
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL			
1998	White	206	60.6	52.6	69.5	36	10.6	7.4	14.7	2	0.6*	0.1	2.1			
	Black	21	32.6	20.2	49.8	12	18.6*	9.6	32.5	1	1.6*	0.0	8.7			
	Asian/PI	12	5.0*	2.6	8.7	3	1.2*	0.3	3.6	1	0.4*	0.0	2.3			
	Hispanic	32	30.0	20.5	42.4	8	7.5*	3.2	14.8	0	0.0*	0.0	2.8			
	Am Indian	0	0.0*	0.0	54.0	0	0.0*	0.0	54.0	0	0.0*	0.0	54.0			
	Other	5			1				0							
	Unknown	19			6				0							
	Total	295	38.9	34.6	43.6	66	8.7	6.7	11.1	4	0.5*	0.1	1.4			
1999	White	71	20.8	16.2	26.2	26	7.6	5.0	11.1	2	0.6*	0.1	2.1			
	Black	12	19.0*	9.8	33.1	8	12.6*	5.5	24.9	0	0.0*	0.0	4.7			
	Asian/PI	12	4.9*	2.5	8.5	3	1.2*	0.3	3.5	0	0.0*	0.0	1.2			
	Hispanic	17	15.8*	9.2	25.2	9	8.3*	3.8	15.8	0	0.0*	0.0	2.8			
	Am Indian	1	16.9*	0.4	93.9	0	0.0*	0.0	50.5	0	0.0*	0.0	50.5			
	Other	2			0				0							
	Unknown	4			5				0							
	Total	119	15.5	12.9	18.6	51	6.7	5.0	8.7	2	0.3*	0.0	0.9			
2000	White	43	12.4	9.0	16.7	29	8.3	5.6	12.0	0	0.0*	0.0	0.9			
	Black	2	3.2*	0.4	11.7	9	14.6*	6.7	27.8	0	0.0*	0.0	4.9			
	Asian/PI	3	1.2*	0.2	3.4	1	0.4*	0.0	2.2	0	0.0*	0.0	1.2			
	Hispanic	7	6.4*	2.6	13.1	11	10.0*	5.0	17.9	1	0.9*	0.0	5.1			
	Am Indian	0	0.0*	0.0	50.3	0	0.0*	0.0	50.3	0	0.0*	0.0	50.3			
	Other	0			1				0							
	Unknown	4			7				1							
	Total	59	7.6	5.7	9.7	58	7.4	5.6	9.6	2	0.3*	0.0	0.9			
2001	White	49	14.1	10.4	18.6	34	9.8	6.8	13.6	2	0.6*	0.1	2.1			
	Black	3	5.0*	1.0	14.5	8	13.3*	5.7	26.1	0	0.0*	0.0	5.0			
	Asian/PI	6	2.3*	0.8	5.0	3	1.2*	0.2	3.4	0	0.0*	0.0	1.2			
	Hispanic	16	14.3*	8.2	23.2	12	10.7*	5.5	18.7	0	0.0*	0.0	2.7			
	Am Indian	0	0.0*	0.0	46.7	0	0.0*	0.0	46.7	0	0.0*	0.0	46.7			
	Other	0			0				0							
	Unknown	5			7				0							
	Total	79	10.0	7.9	12.5	64	8.1	6.3	10.4	2	0.3*	0.0	0.9			
2002	White	25	7.2	4.6	10.6	16	4.6*	2.6	7.5	1	0.3*	0.0	1.6			
	Black	0	0.0*	0.0	5.0	7	11.7*	4.7	24.2	0	0.0*	0.0	5.0			
	Asian/PI	5	1.9*	0.6	4.5	3	1.2*	0.2	3.4	0	0.0*	0.0	1.2			
	Hispanic	5	4.4*	1.4	10.3	3	2.6*	0.5	7.7	0	0.0*	0.0	2.6			
	Am Indian	0	0.0*	0.0	45.4	0	0.0*	0.0	45.4	0	0.0*	0.0	45.4			
	Other	2			0				0							
	Unknown	1			5				0							
	Total	38	4.8	3.4	6.6	34	4.3	3.0	6.0	1	0.1*	0.0	0.7			
2003	White	7	2.0*	0.8	4.1	15	4.3*	2.4	7.1	0	0.0*	0.0	0.9			
	Black	0	0.0*	0.0	5.0	6	10.0*	3.7	21.8	0	0.0*	0.0	5.0			
	Asian/PI	2	0.8*	0.1	2.8	7	2.7*	1.1	5.6	0	0.0*	0.0	1.2			
	Hispanic	1	0.9*	0.0	4.9	8	7.0*	3.0	13.8	0	0.0*	0.0	2.6			
	Am Indian	0	0.0*	0.0	45.3	1	15.1*	0.4	84.2	0	0.0*	0.0	45.3			
	Other	2			1				0							
	Unknown	3			6				0							
	Total	15	1.9*	1.1	3.1	44	5.6	4.1	7.5	0	0.0*	0.0	0.4			

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**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Listeriosis				Lyme Disease				Malaria			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1986	White	7	1.9*	0.8	4.0	1	0.3*	0.0	1.5	7	1.9*	0.8	4.0
	Black	1	1.2*	0.0	6.7	0	0.0*	0.0	3.6	1	1.2*	0.0	6.7
	Asian/PI	1	0.5*	0.0	2.9	0	0.0*	0.0	1.6	10	5.3*	2.5	9.7
	Hispanic	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0	5	5.1*	1.7	11.9
	Am Indian	0	0.0*	0.0	104.7	0	0.0*	0.0	104.7	0	0.0*	0.0	104.7
	Other	0				0			0				
	Unknown	1				0				1			
	Total	10	1.4*	0.7	2.5	1	0.1*	0.0	0.8	24	3.3	2.1	4.8
1987	White	15	4.2*	2.3	6.9	3	0.8*	0.2	2.5	6	1.7*	0.6	3.7
	Black	2	2.5*	0.3	8.9	0	0.0*	0.0	3.7	4	4.9*	1.3	12.6
	Asian/PI	2	1.0*	0.1	3.7	0	0.0*	0.0	1.5	2	1.0*	0.1	3.7
	Hispanic	2	2.0*	0.2	7.3	1	1.0*	0.0	5.6	3	3.0*	0.6	8.8
	Am Indian	0	0.0*	0.0	106.9	0	0.0*	0.0	106.9	0	0.0*	0.0	106.9
	Other	0				0			0				
	Unknown	0				0			0				
	Total	21	2.9	1.8	4.4	4	0.5*	0.1	1.4	15	2.0*	1.1	3.4
1988	White	8	2.3*	1.0	4.5	8	2.3*	1.0	4.5	5	1.4*	0.5	3.3
	Black	3	3.8*	0.8	11.0	1	1.3*	0.0	7.0	5	6.3*	2.0	14.7
	Asian/PI	2	1.0*	0.1	3.6	1	0.5*	0.0	2.8	1	0.5*	0.0	2.8
	Hispanic	1	1.0*	0.0	5.6	0	0.0*	0.0	3.0	6	6.0*	2.2	13.1
	Am Indian	0	0.0*	0.0	109.6	0	0.0*	0.0	109.6	0	0.0*	0.0	109.6
	Other	0				0			0				
	Unknown	0				1			1				
	Total	14	1.9*	1.0	3.2	11	1.5*	0.8	2.7	18	2.5*	1.5	3.9
1989	White	12	3.5*	1.8	6.1	6	1.8*	0.6	3.8	19	5.5*	3.3	8.7
	Black	2	2.6*	0.3	9.3	1	1.3*	0.0	7.2	6	7.7*	2.8	16.9
	Asian/PI	1	0.5*	0.0	2.8	0	0.0*	0.0	1.5	1	0.5*	0.0	2.8
	Hispanic	1	1.0*	0.0	5.6	0	0.0*	0.0	3.0	9	9.0*	4.1	17.1
	Am Indian	0	0.0*	0.0	112.2	0	0.0*	0.0	112.2	0	0.0*	0.0	112.2
	Other	0				0			1				
	Unknown	0				0			1				
	Total	16	2.2*	1.3	3.6	7	1.0*	0.4	2.0	37	5.1	3.6	7.0
1990	White	6	1.8*	0.7	3.9	1	0.3*	0.0	1.7	11	3.3*	1.6	5.8
	Black	3	3.9*	0.8	11.5	0	0.0*	0.0	3.9	3	3.9*	0.8	11.5
	Asian/PI	5	2.4*	0.8	5.6	1	0.5*	0.0	2.7	0	0.0*	0.0	1.4
	Hispanic	2	2.0*	0.2	7.2	0	0.0*	0.0	3.0	11	10.9*	5.5	19.6
	Am Indian	0	0.0*	0.0	110.3	0	0.0*	0.0	110.3	0	0.0*	0.0	110.3
	Other	0				0			1				
	Unknown	1				0			1				
	Total	17	2.4*	1.4	3.8	2	0.3*	0.0	1.0	27	3.7	2.5	5.4
1991	White	3	0.9*	0.2	2.6	4	1.2*	0.3	3.0	1	0.3*	0.0	1.7
	Black	0	0.0*	0.0	4.0	0	0.0*	0.0	4.0	0	0.0*	0.0	4.0
	Asian/PI	3	1.4*	0.3	4.2	0	0.0*	0.0	1.4	2	0.9*	0.1	3.4
	Hispanic	2	2.0*	0.2	7.1	0	0.0*	0.0	3.0	3	3.0*	0.6	8.7
	Am Indian	0	0.0*	0.0	97.7	0	0.0*	0.0	97.7	0	0.0*	0.0	97.7
	Other	0				0			1				
	Unknown	0				0			1				
	Total	8	1.1*	0.5	2.2	4	0.6*	0.1	1.4	8	1.1*	0.5	2.2

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Am Indian = American Indian or Alaska Native; Asian/PI = Asian or Pacific Islander

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

Rates not calculated for the race/ethnicity categories Other & Unknown.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Listeriosis				Lyme Disease				Malaria			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1992	White	3	0.9*	0.2	2.6	3	0.9*	0.2	2.6	7	2.1*	0.8	4.3
	Black	2	2.7*	0.3	9.9	0	0.0*	0.0	4.1	1	1.4*	0.0	7.6
	Asian/PI	0	0.0*	0.0	1.4	0	0.0*	0.0	1.4	0	0.0*	0.0	1.4
	Hispanic	1	1.0*	0.0	5.5	0	0.0*	0.0	2.9	6	5.9*	2.2	12.8
	Am Indian	0	0.0*	0.0	87.2	0	0.0*	0.0	87.2	0	0.0*	0.0	87.2
	Other	0		0				0					
	Unknown	0		0				1					
	Total	6	0.8*	0.3	1.8	3	0.4*	0.1	1.2	15	2.1*	1.1	3.4
1993	White	0	0.0*	0.0	0.9	2	0.6*	0.1	2.1	6	1.8*	0.6	3.8
	Black	0	0.0*	0.0	4.1	0	0.0*	0.0	4.1	4	5.5*	1.5	14.2
	Asian/PI	1	0.5*	0.0	2.5	0	0.0*	0.0	1.4	0	0.0*	0.0	1.4
	Hispanic	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8	2	1.9*	0.2	6.8
	Am Indian	0	0.0*	0.0	78.6	0	0.0*	0.0	78.6	0	0.0*	0.0	78.6
	Other	0		0				0					
	Unknown	0		0				1					
	Total	1	0.1*	0.0	0.7	2	0.3*	0.0	1.0	13	1.7*	0.9	3.0
1994	White	3	0.9*	0.2	2.6	1	0.3*	0.0	1.6	6	1.8*	0.6	3.8
	Black	1	1.4*	0.0	7.9	0	0.0*	0.0	4.3	3	4.3*	0.9	12.5
	Asian/PI	4	1.8*	0.5	4.5	0	0.0*	0.0	1.3	1	0.4*	0.0	2.5
	Hispanic	1	1.0*	0.0	5.4	0	0.0*	0.0	2.9	2	1.9*	0.2	6.9
	Am Indian	0	0.0*	0.0	72.3	0	0.0*	0.0	72.3	0	0.0*	0.0	72.3
	Other	0		0				2					
	Unknown	0		0				0					
	Total	9	1.2*	0.6	2.3	1	0.1*	0.0	0.7	14	1.9*	1.0	3.2
1995	White	2	0.6*	0.1	2.1	1	0.3*	0.0	1.7	8	2.4*	1.0	4.7
	Black	0	0.0*	0.0	4.4	0	0.0*	0.0	4.4	4	5.9*	1.6	15.0
	Asian/PI	4	1.8*	0.5	4.5	0	0.0*	0.0	1.3	2	0.9*	0.1	3.2
	Hispanic	1	1.0*	0.0	5.4	0	0.0*	0.0	2.9	2	1.9*	0.2	7.0
	Am Indian	0	0.0*	0.0	67.2	0	0.0*	0.0	67.2	0	0.0*	0.0	67.2
	Other	0		0				0					
	Unknown	1		0				0					
	Total	8	1.1*	0.5	2.1	1	0.1*	0.0	0.8	16	2.2*	1.2	3.5
1996	White	2	0.6*	0.1	2.1	4	1.2*	0.3	3.0	6	1.8*	0.7	3.9
	Black	2	3.0*	0.4	10.8	0	0.0*	0.0	4.5	4	6.0*	1.6	15.3
	Asian/PI	3	1.3*	0.3	3.8	0	0.0*	0.0	1.3	0	0.0*	0.0	1.3
	Hispanic	0	0.0*	0.0	2.9	0	0.0*	0.0	2.9	5	4.8*	1.6	11.2
	Am Indian	0	0.0*	0.0	62.3	0	0.0*	0.0	62.3	0	0.0*	0.0	62.3
	Other	0		0				0					
	Unknown	0		0				0					
	Total	7	0.9*	0.4	1.9	4	0.5*	0.1	1.4	15	2.0*	1.1	3.3
1997	White	1	0.3*	0.0	1.7	1	0.3*	0.0	1.7	4	1.2*	0.3	3.0
	Black	1	1.5*	0.0	8.5	0	0.0*	0.0	4.6	3	4.6*	0.9	13.4
	Asian/PI	3	1.3*	0.3	3.7	0	0.0*	0.0	1.3	0	0.0*	0.0	1.3
	Hispanic	1	1.0*	0.0	5.3	0	0.0*	0.0	2.8	5	4.8*	1.5	11.1
	Am Indian	0	0.0*	0.0	58.0	0	0.0*	0.0	58.0	0	0.0*	0.0	58.0
	Other	0		0				1					
	Unknown	0		0				2					
	Total	6	0.8*	0.3	1.7	1	0.1*	0.0	0.7	15	2.0*	1.1	3.3

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Am Indian = American Indian or Alaska Native; Asian/PI = Asian or Pacific Islander

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

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Rates not calculated for the race/ethnicity categories Other & Unknown.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Listeriosis				Lyme Disease				Malaria			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1998	White	1	0.3*	0.0	1.6	6	1.8*	0.6	3.8	6	1.8*	0.6	3.8
	Black	1	1.6*	0.0	8.7	0	0.0*	0.0	4.7	3	4.7*	1.0	13.6
	Asian/PI	0	0.0*	0.0	1.2	0	0.0*	0.0	1.2	0	0.0*	0.0	1.2
	Hispanic	1	0.9*	0.0	5.2	0	0.0*	0.0	2.8	5	4.7*	1.5	10.9
	Am Indian	0	0.0*	0.0	54.0	0	0.0*	0.0	54.0	0	0.0*	0.0	54.0
	Other	0			0				0				
	Unknown	0			0				0				
	Total	3	0.4*	0.1	1.2	6	0.8*	0.3	1.7	14	1.8*	1.0	3.1
1999	White	6	1.8*	0.6	3.8	1	0.3*	0.0	1.6	7	2.0*	0.8	4.2
	Black	0	0.0*	0.0	4.7	0	0.0*	0.0	4.7	2	3.2*	0.4	11.4
	Asian/PI	0	0.0*	0.0	1.2	0	0.0*	0.0	1.2	1	0.4*	0.0	2.3
	Hispanic	3	2.8*	0.6	8.1	0	0.0*	0.0	2.8	4	3.7*	1.0	9.5
	Am Indian	0	0.0*	0.0	50.5	0	0.0*	0.0	50.5	0	0.0*	0.0	50.5
	Other	0			0				1				
	Unknown	0			0				0				
	Total	9	1.2*	0.5	2.2	1	0.1*	0.0	0.7	15	2.0*	1.1	3.2
2000	White	3	0.9*	0.2	2.5	2	0.6*	0.1	2.1	10	2.9*	1.4	5.3
	Black	0	0.0*	0.0	4.9	0	0.0*	0.0	4.9	2	3.2*	0.4	11.7
	Asian/PI	0	0.0*	0.0	1.2	0	0.0*	0.0	1.2	0	0.0*	0.0	1.2
	Hispanic	2	1.8*	0.2	6.6	0	0.0*	0.0	2.7	3	2.7*	0.6	8.0
	Am Indian	0	0.0*	0.0	50.3	0	0.0*	0.0	50.3	0	0.0*	0.0	50.3
	Other	0			0				0				
	Unknown	0			0				0				
	Total	5	0.6*	0.2	1.5	2	0.3*	0.0	0.9	15	1.9*	1.1	3.2
2001	White	2	0.6*	0.1	2.1	3	0.9*	0.2	2.5	4	1.1*	0.3	2.9
	Black	0	0.0*	0.0	5.0	0	0.0*	0.0	5.0	1	1.7*	0.0	9.2
	Asian/PI	1	0.4*	0.0	2.1	0	0.0*	0.0	1.2	2	0.8*	0.1	2.8
	Hispanic	1	0.9*	0.0	5.0	0	0.0*	0.0	2.7	4	3.6*	1.0	9.2
	Am Indian	0	0.0*	0.0	46.7	0	0.0*	0.0	46.7	0	0.0*	0.0	46.7
	Other	0			0				0				
	Unknown	0			0				0				
	Total	4	0.5*	0.1	1.3	3	0.4*	0.1	1.1	11	1.4*	0.7	2.5
2002	White	1	0.3*	0.0	1.6	3	0.9*	0.2	2.5	6	1.7*	0.6	3.8
	Black	0	0.0*	0.0	5.0	0	0.0*	0.0	5.0	1	1.7*	0.0	9.3
	Asian/PI	1	0.4*	0.0	2.1	0	0.0*	0.0	1.2	2	0.8*	0.1	2.8
	Hispanic	2	1.8*	0.2	6.4	0	0.0*	0.0	2.6	1	0.9*	0.0	4.9
	Am Indian	0	0.0*	0.0	45.4	0	0.0*	0.0	45.4	0	0.0*	0.0	45.4
	Other	0			0				0				
	Unknown	0			0				0				
	Total	4	0.5*	0.1	1.3	3	0.4*	0.1	1.1	10	1.3*	0.6	2.3
2003	White	0	0.0*	0.0	0.9	4	1.1*	0.3	2.9	4	1.1*	0.3	2.9
	Black	0	0.0*	0.0	5.0	0	0.0*	0.0	5.0	1	1.7*	0.0	9.3
	Asian/PI	5	1.9*	0.6	4.5	0	0.0*	0.0	1.2	0	0.0*	0.0	1.2
	Hispanic	0	0.0*	0.0	2.6	0	0.0*	0.0	2.6	1	0.9*	0.0	4.9
	Am Indian	0	0.0*	0.0	45.3	0	0.0*	0.0	45.3	0	0.0*	0.0	45.3
	Other	1			0				0				
	Unknown	0			2				1				
	Total	6	0.8*	0.3	1.7	6	0.8*	0.3	1.7	7	0.9*	0.4	1.8

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

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Rates not calculated for the race/ethnicity categories Other & Unknown.

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**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Measles			Meningococcal Disease			Mumps					
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1986	White	0	0.0*	0.0	0.8	4	1.1*	0.3	2.8	0	0.0*	0.0	0.8
	Black	0	0.0*	0.0	3.6	0	0.0*	0.0	3.6	2	2.4*	0.3	8.7
	Asian/PI	0	0.0*	0.0	1.6	0	0.0*	0.0	1.6	1	0.5*	0.0	2.9
	Hispanic	2	2.0*	0.2	7.4	3	3.1*	0.6	8.9	3	3.1*	0.6	8.9
	Am Indian	0	0.0*	0.0	104.7	0	0.0*	0.0	104.7	0	0.0*	0.0	104.7
	Other	0		1				0					
	Unknown	0		1				0					
	Total	2	0.3*	0.0	1.0	9	1.2*	0.6	2.3	6	0.8*	0.3	1.8
1987	White	1	0.3*	0.0	1.6	3	0.8*	0.2	2.5	3	0.8*	0.2	2.5
	Black	5	6.1*	2.0	14.3	1	1.2*	0.0	6.8	2	2.5*	0.3	8.9
	Asian/PI	5	2.6*	0.8	6.0	0	0.0*	0.0	1.5	0	0.0*	0.0	1.5
	Hispanic	1	1.0*	0.0	5.6	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0
	Am Indian	0	0.0*	0.0	106.9	0	0.0*	0.0	106.9	0	0.0*	0.0	106.9
	Other	0		0				1					
	Unknown	0		0				0					
	Total	12	1.6*	0.8	2.8	4	0.5*	0.1	1.4	6	0.8*	0.3	1.8
1988	White	1	0.3*	0.0	1.6	1	0.3*	0.0	1.6	1	0.3*	0.0	1.6
	Black	0	0.0*	0.0	3.8	0	0.0*	0.0	3.8	0	0.0*	0.0	3.8
	Asian/PI	2	1.0*	0.1	3.6	1	0.5*	0.0	2.8	1	0.5*	0.0	2.8
	Hispanic	0	0.0*	0.0	3.0	1	1.0*	0.0	5.6	2	2.0*	0.2	7.3
	Am Indian	0	0.0*	0.0	109.6	0	0.0*	0.0	109.6	0	0.0*	0.0	109.6
	Other	0		0				0					
	Unknown	0		0				1					
	Total	3	0.4*	0.1	1.2	3	0.4*	0.1	1.2	5	0.7*	0.2	1.6
1989	White	3	0.9*	0.2	2.6	5	1.5*	0.5	3.4	0	0.0*	0.0	0.9
	Black	0	0.0*	0.0	3.9	5	6.5*	2.1	15.1	0	0.0*	0.0	3.9
	Asian/PI	2	1.0*	0.1	3.6	0	0.0*	0.0	1.5	0	0.0*	0.0	1.5
	Hispanic	4	4.0*	1.1	10.2	3	3.0*	0.6	8.8	1	1.0*	0.0	5.6
	Am Indian	0	0.0*	0.0	112.2	0	0.0*	0.0	112.2	0	0.0*	0.0	112.2
	Other	0		0				0					
	Unknown	0		0				0					
	Total	9	1.2*	0.6	2.4	13	1.8*	1.0	3.1	1	0.1*	0.0	0.8
1990	White	23	6.8	4.3	10.2	8	2.4*	1.0	4.7	3	0.9*	0.2	2.6
	Black	3	3.9*	0.8	11.5	2	2.6*	0.3	9.5	1	1.3*	0.0	7.3
	Asian/PI	6	2.9*	1.1	6.3	0	0.0*	0.0	1.4	1	0.5*	0.0	2.7
	Hispanic	5	5.0*	1.6	11.6	1	1.0*	0.0	5.5	1	1.0*	0.0	5.5
	Am Indian	0	0.0*	0.0	110.3	0	0.0*	0.0	110.3	0	0.0*	0.0	110.3
	Other	0		0				0					
	Unknown	0		0				0					
	Total	37	5.1	3.6	7.1	11	1.5*	0.8	2.7	6	0.8*	0.3	1.8
1991	White	1	0.3*	0.0	1.7	1	0.3*	0.0	1.7	1	0.3*	0.0	1.7
	Black	0	0.0*	0.0	4.0	1	1.3*	0.0	7.4	0	0.0*	0.0	4.0
	Asian/PI	0	0.0*	0.0	1.4	0	0.0*	0.0	1.4	2	0.9*	0.1	3.4
	Hispanic	2	2.0*	0.2	7.1	2	2.0*	0.2	7.1	2	2.0*	0.2	7.1
	Am Indian	0	0.0*	0.0	97.7	0	0.0*	0.0	97.7	0	0.0*	0.0	97.7
	Other	0		0				0					
	Unknown	0		0				0					
	Total	3	0.4*	0.1	1.2	4	0.6*	0.1	1.4	5	0.7*	0.2	1.6

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

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**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Measles				Meningococcal Disease				Mumps			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1992	White	1	0.3*	0.0	1.7	4	1.2*	0.3	3.0	1	0.3*	0.0	1.7
	Black	0	0.0*	0.0	4.1	2	2.7*	0.3	9.9	0	0.0*	0.0	4.1
	Asian/PI	0	0.0*	0.0	1.4	0	0.0*	0.0	1.4	0	0.0*	0.0	1.4
	Hispanic	0	0.0*	0.0	2.9	2	2.0*	0.2	7.1	2	2.0*	0.2	7.1
	Am Indian	0	0.0*	0.0	87.2	0	0.0*	0.0	87.2	0	0.0*	0.0	87.2
	Other	0			0				0				
	Unknown	0			0				0				
	Total	1	0.1*	0.0	0.8	8	1.1*	0.5	2.2	3	0.4*	0.1	1.2
1993	White	2	0.6*	0.1	2.1	3	0.9*	0.2	2.6	1	0.3*	0.0	1.6
	Black	0	0.0*	0.0	4.1	0	0.0*	0.0	4.1	0	0.0*	0.0	4.1
	Asian/PI	0	0.0*	0.0	1.4	2	0.9*	0.1	3.3	0	0.0*	0.0	1.4
	Hispanic	2	1.9*	0.2	6.8	0	0.0*	0.0	2.8	1	0.9*	0.0	5.2
	Am Indian	0	0.0*	0.0	78.6	0	0.0*	0.0	78.6	0	0.0*	0.0	78.6
	Other	0			0				0				
	Unknown	0			0				0				
	Total	4	0.5*	0.1	1.4	5	0.7*	0.2	1.6	2	0.3*	0.0	1.0
1994	White	0	0.0*	0.0	0.9	7	2.1*	0.8	4.2	3	0.9*	0.2	2.6
	Black	0	0.0*	0.0	4.3	3	4.3*	0.9	12.5	1	1.4*	0.0	7.9
	Asian/PI	2	0.9*	0.1	3.2	1	0.4*	0.0	2.5	1	0.4*	0.0	2.5
	Hispanic	0	0.0*	0.0	2.9	6	5.8*	2.1	12.6	0	0.0*	0.0	2.9
	Am Indian	0	0.0*	0.0	72.3	0	0.0*	0.0	72.3	0	0.0*	0.0	72.3
	Other	0			0				0				
	Unknown	0			0				0				
	Total	2	0.3*	0.0	1.0	17	2.3*	1.3	3.7	5	0.7*	0.2	1.6
1995	White	1	0.3*	0.0	1.7	8	2.4*	1.0	4.7	0	0.0*	0.0	0.9
	Black	0	0.0*	0.0	4.4	1	1.5*	0.0	8.2	0	0.0*	0.0	4.4
	Asian/PI	1	0.4*	0.0	2.5	2	0.9*	0.1	3.2	0	0.0*	0.0	1.3
	Hispanic	0	0.0*	0.0	2.9	3	2.9*	0.6	8.5	2	1.9*	0.2	7.0
	Am Indian	0	0.0*	0.0	67.2	0	0.0*	0.0	67.2	0	0.0*	0.0	67.2
	Other	0			0				0				
	Unknown	0			0				0				
	Total	2	0.3*	0.0	1.0	14	1.9*	1.0	3.2	2	0.3*	0.0	1.0
1996	White	2	0.6*	0.1	2.1	9	2.7*	1.2	5.1	1	0.3*	0.0	1.7
	Black	0	0.0*	0.0	4.5	5	7.5*	2.4	17.5	0	0.0*	0.0	4.5
	Asian/PI	0	0.0*	0.0	1.3	2	0.9*	0.1	3.1	0	0.0*	0.0	1.3
	Hispanic	0	0.0*	0.0	2.9	3	2.9*	0.6	8.4	0	0.0*	0.0	2.9
	Am Indian	0	0.0*	0.0	62.3	0	0.0*	0.0	62.3	0	0.0*	0.0	62.3
	Other	0			0				0				
	Unknown	0			0				0				
	Total	2	0.3*	0.0	1.0	19	2.6*	1.5	4.0	1	0.1*	0.0	0.7
1997	White	1	0.3*	0.0	1.7	8	2.4*	1.0	4.7	0	0.0*	0.0	0.9
	Black	0	0.0*	0.0	4.6	2	3.1*	0.4	11.0	0	0.0*	0.0	4.6
	Asian/PI	0	0.0*	0.0	1.3	1	0.4*	0.0	2.4	2	0.8*	0.1	3.1
	Hispanic	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8
	Am Indian	0	0.0*	0.0	58.0	0	0.0*	0.0	58.0	0	0.0*	0.0	58.0
	Other	0			0				0				
	Unknown	0			0				0				
	Total	1	0.1*	0.0	0.7	11	1.5*	0.7	2.6	4	0.5*	0.1	1.4

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Am Indian = American Indian or Alaska Native; Asian/PI = Asian or Pacific Islander

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Note: Unstable rates should not be compared statistically.

Rates not calculated for the race/ethnicity categories Other & Unknown.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Measles			Meningococcal Disease			Mumps					
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1998	White	1	0.3*	0.0	1.6	1	0.3*	0.0	1.6	0	0.0*	0.0	0.9
	Black	0	0.0*	0.0	4.7	3	4.7*	1.0	13.6	0	0.0*	0.0	4.7
	Asian/PI	0	0.0*	0.0	1.2	1	0.4*	0.0	2.3	3	1.2*	0.3	3.6
	Hispanic	0	0.0*	0.0	2.8	2	1.9*	0.2	6.8	0	0.0*	0.0	2.8
	Am Indian	0	0.0*	0.0	54.0	0	0.0*	0.0	54.0	0	0.0*	0.0	54.0
	Other	0			0				0				
	Unknown	0			2				0				
	Total	1	0.1*	0.0	0.7	9	1.2*	0.5	2.3	3	0.4*	0.1	1.2
1999	White	0	0.0*	0.0	0.9	5	1.5*	0.5	3.4	1	0.3*	0.0	1.6
	Black	0	0.0*	0.0	4.7	5	7.9*	2.6	18.4	0	0.0*	0.0	4.7
	Asian/PI	0	0.0*	0.0	1.2	0	0.0*	0.0	1.2	0	0.0*	0.0	1.2
	Hispanic	0	0.0*	0.0	2.8	5	4.6*	1.5	10.8	0	0.0*	0.0	2.8
	Am Indian	0	0.0*	0.0	50.5	0	0.0*	0.0	50.5	0	0.0*	0.0	50.5
	Other	0			0				0				
	Unknown	0			0				0				
	Total	0	0.0*	0.0	0.4	15	2.0*	1.1	3.2	1	0.1*	0.0	0.7
2000	White	0	0.0*	0.0	0.9	4	1.2*	0.3	2.9	1	0.3*	0.0	1.6
	Black	0	0.0*	0.0	4.9	0	0.0*	0.0	4.9	0	0.0*	0.0	4.9
	Asian/PI	0	0.0*	0.0	1.2	1	0.4*	0.0	2.2	1	0.4*	0.0	2.2
	Hispanic	0	0.0*	0.0	2.7	7	6.4*	2.6	13.1	1	0.9*	0.0	5.1
	Am Indian	0	0.0*	0.0	50.3	0	0.0*	0.0	50.3	0	0.0*	0.0	50.3
	Other	0			1				0				
	Unknown	0			0				0				
	Total	0	0.0*	0.0	0.4	13	1.7*	0.9	2.8	3	0.4*	0.1	1.1
2001	White	4	1.1*	0.3	2.9	4	1.1*	0.3	2.9	0	0.0*	0.0	0.9
	Black	0	0.0*	0.0	5.0	2	3.3*	0.4	12.0	0	0.0*	0.0	5.0
	Asian/PI	0	0.0*	0.0	1.2	0	0.0*	0.0	1.2	0	0.0*	0.0	1.2
	Hispanic	3	2.7*	0.6	7.8	3	2.7*	0.6	7.8	1	0.9*	0.0	5.0
	Am Indian	0	0.0*	0.0	46.7	0	0.0*	0.0	46.7	0	0.0*	0.0	46.7
	Other	2			0				0				
	Unknown	2			0				0				
	Total	11	1.4*	0.7	2.5	9	1.1*	0.5	2.2	1	0.1*	0.0	0.7
2002	White	2	0.6*	0.1	2.1	6	1.7*	0.6	3.8	1	0.3*	0.0	1.6
	Black	0	0.0*	0.0	5.0	3	5.0*	1.0	14.7	0	0.0*	0.0	5.0
	Asian/PI	0	0.0*	0.0	1.2	0	0.0*	0.0	1.2	0	0.0*	0.0	1.2
	Hispanic	0	0.0*	0.0	2.6	2	1.8*	0.2	6.4	0	0.0*	0.0	2.6
	Am Indian	0	0.0*	0.0	45.4	0	0.0*	0.0	45.4	0	0.0*	0.0	45.4
	Other	0			0				0				
	Unknown	0			0				0				
	Total	2	0.3*	0.0	0.9	11	1.4*	0.7	2.5	1	0.1*	0.0	0.7
2003	White	0	0.0*	0.0	0.9	4	1.1*	0.3	2.9	0	0.0*	0.0	0.9
	Black	0	0.0*	0.0	5.0	1	1.7*	0.0	9.3	0	0.0*	0.0	5.0
	Asian/PI	0	0.0*	0.0	1.2	2	0.8*	0.1	2.8	0	0.0*	0.0	1.2
	Hispanic	0	0.0*	0.0	2.6	2	1.8*	0.2	6.3	0	0.0*	0.0	2.6
	Am Indian	0	0.0*	0.0	45.3	0	0.0*	0.0	45.3	0	0.0*	0.0	45.3
	Other	0			0				0				
	Unknown	0			0				0				
	Total	0	0.0*	0.0	0.4	9	1.1*	0.5	2.2	0	0.0*	0.0	0.4

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

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Rates not calculated for the race/ethnicity categories Other & Unknown.

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**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Pertussis				Salmonellosis				Shigellosis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1986	White	1	0.3*	0.0	1.5	105	28.9	23.6	35.0	228	62.8	54.9	71.5
	Black	2	2.4*	0.3	8.7	20	24.1	14.7	37.2	35	42.1	29.3	58.6
	Asian/PI	0	0.0*	0.0	1.6	45	23.7	17.3	31.7	12	6.3*	3.3	11.0
	Hispanic	0	0.0*	0.0	3.0	20	20.4	12.4	31.4	40	40.7	29.1	55.4
	Am Indian	0	0.0*	0.0	104.7	0	0.0*	0.0	104.7	2	69.9*	8.5	252.6
	Other	0			0				0				
	Unknown	0			13				91				
	Total	3	0.4*	0.1	1.2	203	27.5	23.9	31.6	408	55.3	50.1	61.0
1987	White	0	0.0*	0.0	0.8	82	22.9	18.2	28.5	217	60.7	52.9	69.3
	Black	0	0.0*	0.0	3.7	18	22.1*	13.1	34.9	32	39.3	26.9	55.4
	Asian/PI	0	0.0*	0.0	1.5	53	27.2	20.4	35.6	8	4.1*	1.8	8.1
	Hispanic	0	0.0*	0.0	3.0	16	16.1*	9.2	26.2	50	50.4	37.4	66.4
	Am Indian	0	0.0*	0.0	106.9	0	0.0*	0.0	106.9	1	35.7*	0.9	198.8
	Other	0			1				0				
	Unknown	0			16				71				
	Total	0	0.0*	0.0	0.4	186	25.3	21.8	29.2	379	51.5	46.4	57.0
1988	White	0	0.0*	0.0	0.9	81	23.2	18.4	28.8	194	55.5	47.9	63.8
	Black	0	0.0*	0.0	3.8	20	25.2	15.4	38.9	28	35.2	23.4	50.9
	Asian/PI	2	1.0*	0.1	3.6	50	25.2	18.7	33.2	24	12.1	7.7	18.0
	Hispanic	1	1.0*	0.0	5.6	22	22.1	13.8	33.4	69	69.3	53.9	87.7
	Am Indian	0	0.0*	0.0	109.6	0	0.0*	0.0	109.6	2	73.2*	8.9	264.3
	Other	0			0				3				
	Unknown	0			19				64				
	Total	3	0.4*	0.1	1.2	192	26.3	22.7	30.3	384	52.6	47.5	58.1
1989	White	4	1.2*	0.3	3.0	65	19.0	14.7	24.2	171	49.9	42.7	58.0
	Black	0	0.0*	0.0	3.9	28	36.2	24.0	52.3	29	37.5	25.1	53.8
	Asian/PI	0	0.0*	0.0	1.5	47	23.3	17.1	30.9	33	16.3	11.2	22.9
	Hispanic	2	2.0*	0.2	7.2	21	21.0	13.0	32.1	65	65.0	50.2	82.9
	Am Indian	0	0.0*	0.0	112.2	0	0.0*	0.0	112.2	1	37.5*	0.9	208.7
	Other	0			0				1				
	Unknown	1			22				61				
	Total	7	1.0*	0.4	2.0	183	25.3	21.7	29.2	361	49.8	44.8	55.2
1990	White	2	0.6*	0.1	2.1	77	22.8	18.0	28.5	177	52.5	45.1	60.8
	Black	1	1.3*	0.0	7.3	25	32.9	21.3	48.6	29	38.2	25.6	54.8
	Asian/PI	1	0.5*	0.0	2.7	57	27.6	20.9	35.7	20	9.7	5.9	14.9
	Hispanic	0	0.0*	0.0	3.0	38	37.8	26.7	51.8	79	78.5	62.1	97.8
	Am Indian	0	0.0*	0.0	110.3	0	0.0*	0.0	110.3	1	36.8*	0.9	205.2
	Other	0			1				0				
	Unknown	0			17				56				
	Total	4	0.6*	0.2	1.4	215	29.7	25.9	34.0	362	50.1	45.0	55.5
1991	White	3	0.9*	0.2	2.6	82	24.4	19.4	30.2	141	41.9	35.3	49.4
	Black	0	0.0*	0.0	4.0	17	22.7*	13.2	36.3	22	29.3	18.4	44.4
	Asian/PI	0	0.0*	0.0	1.4	46	21.8	16.0	29.1	24	11.4	7.3	17.0
	Hispanic	1	1.0*	0.0	5.5	27	26.7	17.6	38.8	70	69.2	53.9	87.4
	Am Indian	0	0.0*	0.0	97.7	0	0.0*	0.0	97.7	1	32.6*	0.8	181.7
	Other	0			2				1				
	Unknown	0			14				20				
	Total	4	0.6*	0.1	1.4	188	25.9	22.3	29.8	279	38.4	34.0	43.2

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

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**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Pertussis					Salmonellosis					Shigellosis				
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL			
1992	White	2	0.6*	0.1	2.1	71	21.0	16.4	26.5	123	36.5	30.3	43.5			
	Black	1	1.4*	0.0	7.6	6	8.2*	3.0	17.9	49	67.2	49.7	88.8			
	Asian/PI	0	0.0*	0.0	1.4	67	31.1	24.1	39.5	8	3.7*	1.6	7.3			
	Hispanic	1	1.0*	0.0	5.5	19	18.6*	11.2	29.1	128	125.5	104.7	149.2			
	Am Indian	0	0.0*	0.0	87.2	1	29.1*	0.7	162.1	1	29.1*	0.7	162.1			
	Other	0			3				0							
	Unknown	1			54				25							
	Total	5	0.7*	0.2	1.6	221	30.2	26.4	34.5	334	45.7	40.9	50.9			
1993	White	2	0.6*	0.1	2.1	62	18.2	13.9	23.3	106	31.1	25.5	37.6			
	Black	0	0.0*	0.0	4.1	13	18.0*	9.6	30.8	29	40.2	26.9	57.7			
	Asian/PI	1	0.5*	0.0	2.5	53	23.9	17.9	31.3	12	5.4*	2.8	9.5			
	Hispanic	2	1.9*	0.2	6.8	25	23.4	15.2	34.6	72	67.5	52.8	85.0			
	Am Indian	0	0.0*	0.0	78.6	0	0.0*	0.0	78.6	0	0.0*	0.0	78.6			
	Other	0			1				2							
	Unknown	0			51				20							
	Total	5	0.7*	0.2	1.6	205	27.5	23.9	31.5	241	32.3	28.4	36.7			
1994	White	6	1.8*	0.6	3.8	63	18.5	14.3	23.7	102	30.0	24.5	36.5			
	Black	1	1.4*	0.0	7.9	7	9.9*	4.0	20.5	28	39.8	26.4	57.5			
	Asian/PI	1	0.4*	0.0	2.5	56	24.9	18.8	32.3	21	9.3	5.8	14.3			
	Hispanic	3	2.9*	0.6	8.4	24	23.1	14.8	34.3	63	60.6	46.6	77.5			
	Am Indian	0	0.0*	0.0	72.3	0	0.0*	0.0	72.3	0	0.0*	0.0	72.3			
	Other	0			1				2							
	Unknown	0			42				21							
	Total	11	1.5*	0.7	2.6	193	26.0	22.4	29.9	237	31.9	28.0	36.2			
1995	White	13	3.9*	2.1	6.6	68	20.2	15.7	25.6	190	56.5	48.7	65.1			
	Black	2	2.9*	0.4	10.6	12	17.6*	9.1	30.7	14	20.5*	11.2	34.4			
	Asian/PI	2	0.9*	0.1	3.2	64	28.2	21.7	36.0	7	3.1*	1.2	6.4			
	Hispanic	4	3.9*	1.1	9.9	23	22.2	14.1	33.3	94	90.7	73.3	111.0			
	Am Indian	0	0.0*	0.0	67.2	0	0.0*	0.0	67.2	0	0.0*	0.0	67.2			
	Other	2			0				1							
	Unknown	0			30				19							
	Total	23	3.1	2.0	4.7	197	26.6	23.0	30.6	325	43.9	39.3	49.0			
1996	White	6	1.8*	0.7	3.9	70	20.8	16.2	26.3	139	41.3	34.7	48.7			
	Black	4	6.0*	1.6	15.3	20	29.9	18.3	46.2	44	65.9	47.9	88.4			
	Asian/PI	1	0.4*	0.0	2.4	57	24.6	18.7	31.9	6	2.6*	1.0	5.6			
	Hispanic	0	0.0*	0.0	2.9	24	23.0	14.7	34.2	53	50.8	38.0	66.4			
	Am Indian	0	0.0*	0.0	62.3	1	20.8*	0.5	115.8	0	0.0*	0.0	62.3			
	Other	0			2				3							
	Unknown	0			14				16							
	Total	11	1.5*	0.7	2.6	188	25.3	21.8	29.1	261	35.1	30.9	39.6			
1997	White	5	1.5*	0.5	3.5	72	21.3	16.7	26.9	112	33.2	27.3	39.9			
	Black	3	4.6*	0.9	13.4	15	22.9*	12.8	37.8	24	36.7	23.5	54.6			
	Asian/PI	2	0.8*	0.1	3.1	51	21.6	16.1	28.4	3	1.3*	0.3	3.7			
	Hispanic	0	0.0*	0.0	2.8	28	26.6	17.7	38.5	57	54.2	41.0	70.2			
	Am Indian	0	0.0*	0.0	58.0	0	0.0*	0.0	58.0	0	0.0*	0.0	58.0			
	Other	0			2				1							
	Unknown	0			36				9							
	Total	10	1.3*	0.6	2.5	204	27.2	23.6	31.2	206	27.5	23.9	31.5			

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Am Indian = American Indian or Alaska Native; Asian/PI = Asian or Pacific Islander

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

Rates not calculated for the race/ethnicity categories Other & Unknown.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Pertussis					Salmonellosis					Shigellosis				
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL			
1998	White	22	6.5	4.1	9.8	63	18.5	14.2	23.7	73	21.5	16.8	27.0			
	Black	6	9.3*	3.4	20.3	4	6.2*	1.7	15.9	6	9.3*	3.4	20.3			
	Asian/PI	1	0.4*	0.0	2.3	54	22.3	16.8	29.1	4	1.7*	0.5	4.2			
	Hispanic	4	3.8*	1.0	9.6	22	20.6	12.9	31.3	55	51.6	38.9	67.2			
	Am Indian	0	0.0*	0.0	54.0	0	0.0*	0.0	54.0	1	18.0*	0.5	100.4			
	Other	1			3					3						
	Unknown	1			32					14						
	Total	35	4.6	3.2	6.4	178	23.5	20.2	27.2	156	20.6	17.5	24.1			
1999	White	12	3.5*	1.8	6.1	54	15.8	11.9	20.6	47	13.7	10.1	18.3			
	Black	2	3.2*	0.4	11.4	15	23.7*	13.3	39.1	3	4.7*	1.0	13.8			
	Asian/PI	6	2.4*	0.9	5.3	43	17.4	12.6	23.4	7	2.8*	1.1	5.8			
	Hispanic	6	5.6*	2.0	12.1	24	22.3	14.3	33.1	38	35.2	24.9	48.4			
	Am Indian	0	0.0*	0.0	50.5	0	0.0*	0.0	50.5	0	0.0*	0.0	50.5			
	Other	0			3					0						
	Unknown	0			30					18						
	Total	26	3.4	2.2	5.0	169	22.0	18.8	25.6	113	14.7	12.1	17.7			
2000	White	15	4.3*	2.4	7.1	44	12.7	9.2	17.0	245	70.5	62.0	79.9			
	Black	0	0.0*	0.0	4.9	11	17.9*	8.9	32.0	13	21.1*	11.2	36.1			
	Asian/PI	7	2.7*	1.1	5.6	49	19.1	14.1	25.3	8	3.1*	1.3	6.1			
	Hispanic	9	8.2*	3.7	15.6	17	15.5*	9.0	24.8	53	48.2	36.1	63.1			
	Am Indian	0	0.0*	0.0	50.3	1	16.8*	0.4	93.5	1	16.8*	0.4	93.5			
	Other	0			1					4						
	Unknown	0			14					32						
	Total	31	4.0	2.7	5.6	137	17.5	14.7	20.7	356	45.6	41.0	50.6			
2001	White	4	1.1*	0.3	2.9	51	14.6	10.9	19.2	204	58.5	50.8	67.1			
	Black	0	0.0*	0.0	5.0	14	23.2*	12.7	38.9	8	13.3*	5.7	26.1			
	Asian/PI	0	0.0*	0.0	1.2	63	24.2	18.6	31.0	3	1.2*	0.2	3.4			
	Hispanic	5	4.5*	1.5	10.4	19	17.0*	10.2	26.5	42	37.6	27.1	50.8			
	Am Indian	0	0.0*	0.0	46.7	2	31.2*	3.8	112.6	1	15.6*	0.4	86.8			
	Other	0			4					4						
	Unknown	0			5					23						
	Total	9	1.1*	0.5	2.2	158	20.1	17.1	23.5	285	36.2	32.1	40.7			
2002	White	3	0.9*	0.2	2.5	60	17.2	13.2	22.2	123	35.3	29.4	42.2			
	Black	0	0.0*	0.0	5.0	13	21.8*	11.6	37.3	8	13.4*	5.8	26.4			
	Asian/PI	1	0.4*	0.0	2.1	51	19.6	14.6	25.8	2	0.8*	0.1	2.8			
	Hispanic	2	1.8*	0.2	6.4	16	14.1*	8.1	22.9	40	35.2	25.2	48.0			
	Am Indian	0	0.0*	0.0	45.4	0	0.0*	0.0	45.4	1	15.2*	0.4	84.5			
	Other	0			5					4						
	Unknown	0			5					8						
	Total	6	0.8*	0.3	1.7	150	19.0	16.1	22.3	186	23.6	20.3	27.2			
2003	White	7	2.0*	0.8	4.1	42	12.1	8.7	16.3	72	20.7	16.2	26.1			
	Black	1	1.7*	0.0	9.3	6	10.0*	3.7	21.8	5	8.4*	2.7	19.5			
	Asian/PI	0	0.0*	0.0	1.2	44	17.0	12.4	22.9	4	1.5*	0.4	4.0			
	Hispanic	1	0.9*	0.0	4.9	22	19.3	12.1	29.1	41	35.9	25.7	48.7			
	Am Indian	0	0.0*	0.0	45.3	0	0.0*	0.0	45.3	0	0.0*	0.0	45.3			
	Other	1			4					4						
	Unknown	0			19					30						
	Total	10	1.3*	0.6	2.3	137	17.4	14.6	20.6	156	19.8	16.8	23.2			

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Am Indian = American Indian or Alaska Native; Asian/PI = Asian or Pacific Islander

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

Rates not calculated for the race/ethnicity categories Other & Unknown.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Acute Typhoid Fever				Viral Meningitis				Vibriosis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1986	White	1	0.3*	0.0	1.5	5	1.4*	0.4	3.2	0	0.0*	0.0	0.8
	Black	0	0.0*	0.0	3.6	1	1.2*	0.0	6.7	0	0.0*	0.0	3.6
	Asian/PI	0	0.0*	0.0	1.6	1	0.5*	0.0	2.9	0	0.0*	0.0	1.6
	Hispanic	3	3.1*	0.6	8.9	1	1.0*	0.0	5.7	0	0.0*	0.0	3.0
	Am Indian	0	0.0*	0.0	104.7	0	0.0*	0.0	104.7	0	0.0*	0.0	104.7
	Other	0		0				0					
	Unknown	0		1				0					
	Total	4	0.5*	0.1	1.4	9	1.2*	0.6	2.3	0	0.0*	0.0	0.4
1987	White	2	0.6*	0.1	2.0	0	0.0*	0.0	0.8	0	0.0*	0.0	0.8
	Black	0	0.0*	0.0	3.7	1	1.2*	0.0	6.8	0	0.0*	0.0	3.7
	Asian/PI	1	0.5*	0.0	2.9	0	0.0*	0.0	1.5	0	0.0*	0.0	1.5
	Hispanic	2	2.0*	0.2	7.3	0	0.0*	0.0	3.0	0	0.0*	0.0	3.0
	Am Indian	0	0.0*	0.0	106.9	0	0.0*	0.0	106.9	0	0.0*	0.0	106.9
	Other	0		0				0					
	Unknown	0		0				0					
	Total	5	0.7*	0.2	1.6	1	0.1*	0.0	0.8	0	0.0*	0.0	0.4
1988	White	2	0.6*	0.1	2.1	2	0.6*	0.1	2.1	7	2.0*	0.8	4.1
	Black	0	0.0*	0.0	3.8	2	2.5*	0.3	9.1	0	0.0*	0.0	3.8
	Asian/PI	3	1.5*	0.3	4.4	1	0.5*	0.0	2.8	3	1.5*	0.3	4.4
	Hispanic	7	7.0*	2.8	14.5	1	1.0*	0.0	5.6	1	1.0*	0.0	5.6
	Am Indian	0	0.0*	0.0	109.6	0	0.0*	0.0	109.6	0	0.0*	0.0	109.6
	Other	0		0				0					
	Unknown	0		3				0					
	Total	12	1.6*	0.8	2.9	9	1.2*	0.6	2.3	11	1.5*	0.8	2.7
1989	White	1	0.3*	0.0	1.6	9	2.6*	1.2	5.0	7	2.0*	0.8	4.2
	Black	0	0.0*	0.0	3.9	6	7.7*	2.8	16.9	0	0.0*	0.0	3.9
	Asian/PI	3	1.5*	0.3	4.3	1	0.5*	0.0	2.8	2	1.0*	0.1	3.6
	Hispanic	5	5.0*	1.6	11.7	2	2.0*	0.2	7.2	2	2.0*	0.2	7.2
	Am Indian	0	0.0*	0.0	112.2	0	0.0*	0.0	112.2	0	0.0*	0.0	112.2
	Other	0		0				0					
	Unknown	0		4				1					
	Total	9	1.2*	0.6	2.4	22	3.0	1.9	4.6	12	1.7*	0.9	2.9
1990	White	1	0.3*	0.0	1.7	9	2.7*	1.2	5.1	3	0.9*	0.2	2.6
	Black	0	0.0*	0.0	3.9	7	9.2*	3.7	19.0	0	0.0*	0.0	3.9
	Asian/PI	2	1.0*	0.1	3.5	5	2.4*	0.8	5.6	2	1.0*	0.1	3.5
	Hispanic	0	0.0*	0.0	3.0	2	2.0*	0.2	7.2	0	0.0*	0.0	3.0
	Am Indian	0	0.0*	0.0	110.3	0	0.0*	0.0	110.3	0	0.0*	0.0	110.3
	Other	0		0				0					
	Unknown	0		0				2					
	Total	3	0.4*	0.1	1.2	23	3.2	2.0	4.8	7	1.0*	0.4	2.0
1991	White	0	0.0*	0.0	0.9	8	2.4*	1.0	4.7	4	1.2*	0.3	3.0
	Black	0	0.0*	0.0	4.0	2	2.7*	0.3	9.6	0	0.0*	0.0	4.0
	Asian/PI	4	1.9*	0.5	4.9	6	2.8*	1.0	6.2	1	0.5*	0.0	2.6
	Hispanic	3	3.0*	0.6	8.7	5	4.9*	1.6	11.5	0	0.0*	0.0	3.0
	Am Indian	0	0.0*	0.0	97.7	0	0.0*	0.0	97.7	0	0.0*	0.0	97.7
	Other	1		0				0					
	Unknown	0		2				0					
	Total	8	1.1*	0.5	2.2	23	3.2	2.0	4.7	5	0.7*	0.2	1.6

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

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Note: Unstable rates should not be compared statistically.

Rates not calculated for the race/ethnicity categories Other & Unknown.

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**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Acute Typhoid Fever				Viral Meningitis				Vibriosis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1992	White	0	0.0*	0.0	0.9	11	3.3*	1.6	5.8	2	0.6*	0.1	2.1
	Black	0	0.0*	0.0	4.1	1	1.4*	0.0	7.6	0	0.0*	0.0	4.1
	Asian/PI	1	0.5*	0.0	2.6	4	1.9*	0.5	4.8	2	0.9*	0.1	3.4
	Hispanic	0	0.0*	0.0	2.9	1	1.0*	0.0	5.5	2	2.0*	0.2	7.1
	Am Indian	0	0.0*	0.0	87.2	0	0.0*	0.0	87.2	0	0.0*	0.0	87.2
	Other	0			0				0				
	Unknown	0			7				1				
	Total	1	0.1*	0.0	0.8	24	3.3	2.1	4.9	7	1.0*	0.4	2.0
1993	White	1	0.3*	0.0	1.6	7	2.1*	0.8	4.2	2	0.6*	0.1	2.1
	Black	0	0.0*	0.0	4.1	0	0.0*	0.0	4.1	0	0.0*	0.0	4.1
	Asian/PI	1	0.5*	0.0	2.5	1	0.5*	0.0	2.5	0	0.0*	0.0	1.4
	Hispanic	2	1.9*	0.2	6.8	1	0.9*	0.0	5.2	0	0.0*	0.0	2.8
	Am Indian	0	0.0*	0.0	78.6	0	0.0*	0.0	78.6	0	0.0*	0.0	78.6
	Other	0			0				0				
	Unknown	0			2				2				
	Total	4	0.5*	0.1	1.4	11	1.5*	0.7	2.6	4	0.5*	0.1	1.4
1994	White	1	0.3*	0.0	1.6	1	0.3*	0.0	1.6	2	0.6*	0.1	2.1
	Black	0	0.0*	0.0	4.3	1	1.4*	0.0	7.9	0	0.0*	0.0	4.3
	Asian/PI	2	0.9*	0.1	3.2	0	0.0*	0.0	1.3	1	0.4*	0.0	2.5
	Hispanic	1	1.0*	0.0	5.4	0	0.0*	0.0	2.9	0	0.0*	0.0	2.9
	Am Indian	0	0.0*	0.0	72.3	0	0.0*	0.0	72.3	0	0.0*	0.0	72.3
	Other	0			0				1				
	Unknown	0			0				0				
	Total	4	0.5*	0.1	1.4	2	0.3*	0.0	1.0	4	0.5*	0.1	1.4
1995	White	1	0.3*	0.0	1.7	2	0.6*	0.1	2.1	4	1.2*	0.3	3.0
	Black	0	0.0*	0.0	4.4	1	1.5*	0.0	8.2	0	0.0*	0.0	4.4
	Asian/PI	1	0.4*	0.0	2.5	0	0.0*	0.0	1.3	0	0.0*	0.0	1.3
	Hispanic	2	1.9*	0.2	7.0	0	0.0*	0.0	2.9	1	1.0*	0.0	5.4
	Am Indian	0	0.0*	0.0	67.2	0	0.0*	0.0	67.2	0	0.0*	0.0	67.2
	Other	1			0				0				
	Unknown	0			0				0				
	Total	5	0.7*	0.2	1.6	3	0.4*	0.1	1.2	5	0.7*	0.2	1.6
1996	White	0	0.0*	0.0	0.9	2	0.6*	0.1	2.1	4	1.2*	0.3	3.0
	Black	0	0.0*	0.0	4.5	1	1.5*	0.0	8.3	0	0.0*	0.0	4.5
	Asian/PI	2	0.9*	0.1	3.1	0	0.0*	0.0	1.3	3	1.3*	0.3	3.8
	Hispanic	0	0.0*	0.0	2.9	0	0.0*	0.0	2.9	1	1.0*	0.0	5.3
	Am Indian	0	0.0*	0.0	62.3	0	0.0*	0.0	62.3	0	0.0*	0.0	62.3
	Other	1			0				0				
	Unknown	0			2				0				
	Total	3	0.4*	0.1	1.2	5	0.7*	0.2	1.6	8	1.1*	0.5	2.1
1997	White	1	0.3*	0.0	1.7	1	0.3*	0.0	1.7	24	7.1	4.6	10.6
	Black	0	0.0*	0.0	4.6	0	0.0*	0.0	4.6	0	0.0*	0.0	4.6
	Asian/PI	2	0.8*	0.1	3.1	0	0.0*	0.0	1.3	0	0.0*	0.0	1.3
	Hispanic	0	0.0*	0.0	2.8	1	1.0*	0.0	5.3	0	0.0*	0.0	2.8
	Am Indian	0	0.0*	0.0	58.0	0	0.0*	0.0	58.0	0	0.0*	0.0	58.0
	Other	1			0				0				
	Unknown	0			2				1				
	Total	4	0.5*	0.1	1.4	4	0.5*	0.1	1.4	25	3.3	2.2	4.9

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

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**APPENDIX C3: Frequency and Unadjusted Rates for 21 Selected Diseases by Race/Ethnicity
San Francisco, 1986-2003**

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Year	Race/Ethnicity	Acute Typhoid Fever				Viral Meningitis				Vibriosis			
		n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL	n	Rate	95% LCL	95% UCL
1998	White	2	0.6*	0.1	2.1	3	0.9*	0.2	2.6	7	2.1*	0.8	4.2
	Black	0	0.0*	0.0	4.7	3	4.7*	1.0	13.6	0	0.0*	0.0	4.7
	Asian/PI	1	0.4*	0.0	2.3	0	0.0*	0.0	1.2	0	0.0*	0.0	1.2
	Hispanic	1	0.9*	0.0	5.2	1	0.9*	0.0	5.2	2	1.9*	0.2	6.8
	Am Indian	0	0.0*	0.0	54.0	0	0.0*	0.0	54.0	0	0.0*	0.0	54.0
	Other	0			0				0				
	Unknown	0			1				0				
	Total	4	0.5*	0.1	1.4	8	1.1*	0.5	2.1	9	1.2*	0.5	2.3
1999	White	1	0.3*	0.0	1.6	0	0.0*	0.0	0.9	5	1.5*	0.5	3.4
	Black	0	0.0*	0.0	4.7	0	0.0*	0.0	4.7	0	0.0*	0.0	4.7
	Asian/PI	0	0.0*	0.0	1.2	0	0.0*	0.0	1.2	1	0.4*	0.0	2.3
	Hispanic	0	0.0*	0.0	2.8	0	0.0*	0.0	2.8	1	0.9*	0.0	5.2
	Am Indian	0	0.0*	0.0	50.5	0	0.0*	0.0	50.5	0	0.0*	0.0	50.5
	Other	0			0				0				
	Unknown	0			2				1				
	Total	1	0.1*	0.0	0.7	2	0.3*	0.0	0.9	8	1.0*	0.5	2.1
2000	White	1	0.3*	0.0	1.6	1	0.3*	0.0	1.6	6	1.7*	0.6	3.8
	Black	0	0.0*	0.0	4.9	0	0.0*	0.0	4.9	0	0.0*	0.0	4.9
	Asian/PI	0	0.0*	0.0	1.2	0	0.0*	0.0	1.2	3	1.2*	0.2	3.4
	Hispanic	0	0.0*	0.0	2.7	0	0.0*	0.0	2.7	2	1.8*	0.2	6.6
	Am Indian	0	0.0*	0.0	50.3	0	0.0*	0.0	50.3	0	0.0*	0.0	50.3
	Other	0			1				0				
	Unknown	0			0				1				
	Total	1	0.1*	0.0	0.7	2	0.3*	0.0	0.9	12	1.5*	0.8	2.7
2001	White	3	0.9*	0.2	2.5	1	0.3*	0.0	1.6	3	0.9*	0.2	2.5
	Black	0	0.0*	0.0	5.0	2	3.3*	0.4	12.0	1	1.7*	0.0	9.2
	Asian/PI	3	1.2*	0.2	3.4	2	0.8*	0.1	2.8	0	0.0*	0.0	1.2
	Hispanic	0	0.0*	0.0	2.7	0	0.0*	0.0	2.7	0	0.0*	0.0	2.7
	Am Indian	0	0.0*	0.0	46.7	0	0.0*	0.0	46.7	0	0.0*	0.0	46.7
	Other	0			0				0				
	Unknown	0			10				0				
	Total	6	0.8*	0.3	1.7	15	1.9*	1.1	3.1	4	0.5*	0.1	1.3
2002	White	2	0.6*	0.1	2.1	5	1.4*	0.5	3.4	5	1.4*	0.5	3.4
	Black	0	0.0*	0.0	5.0	2	3.4*	0.4	12.1	0	0.0*	0.0	5.0
	Asian/PI	0	0.0*	0.0	1.2	0	0.0*	0.0	1.2	0	0.0*	0.0	1.2
	Hispanic	0	0.0*	0.0	2.6	0	0.0*	0.0	2.6	0	0.0*	0.0	2.6
	Am Indian	0	0.0*	0.0	45.4	0	0.0*	0.0	45.4	0	0.0*	0.0	45.4
	Other	0			0				0				
	Unknown	0			4				0				
	Total	2	0.3*	0.0	0.9	11	1.4*	0.7	2.5	5	0.6*	0.2	1.5
2003	White	0	0.0*	0.0	0.9	1	0.3*	0.0	1.6	1	0.3*	0.0	1.6
	Black	0	0.0*	0.0	5.0	0	0.0*	0.0	5.0	0	0.0*	0.0	5.0
	Asian/PI	0	0.0*	0.0	1.2	0	0.0*	0.0	1.2	3	1.2*	0.2	3.4
	Hispanic	1	0.9*	0.0	4.9	0	0.0*	0.0	2.6	2	1.8*	0.2	6.3
	Am Indian	0	0.0*	0.0	45.3	0	0.0*	0.0	45.3	0	0.0*	0.0	45.3
	Other	0			1				0				
	Unknown	0			5				1				
	Total	1	0.1*	0.0	0.7	7	0.9*	0.4	1.8	7	0.9*	0.4	1.8

Source: SFDPH Communicable Disease Control Unit. Data shown by year cases reported to SFDPH.

Am Indian = American Indian or Alaska Native; Asian/PI = Asian or Pacific Islander

Rates are cases per 100,000 population; *=Unstable Rate (n<20).

Note: Unstable rates should not be compared statistically.

Rates not calculated for the race/ethnicity categories Other & Unknown.

95%LCL=Exact Lower Confidence Limit, 95%UCL=Exact Upper Confidence Limit; 95% Exact Confidence Limits may appear biased due to rounding to 1 decimal.

**APPENDIX D1: Standardized Incidence Ratios for Amebiasis
San Francisco, Bay Area, California and United States, 1994-2003**

Year	San Francisco					Comp. Regions					SIR		
	n	Rate	95%LCL	95%UCL		n	Rate	95%LCL	95%UCL		SIR	95%LCL	95%UCL
1994	252	33.9	29.8	38.4	Bay Area	191	4.2	3.6	4.8	8.1 **	7.1	9.1	
					California	996	3.2	3.0	3.4	10.7 **	9.5	12.1	
					United States	NR	NR	--	--	NR	--	--	
1995	284	38.4	34.0	43.1	Bay Area	176	3.8	3.3	4.5	10.0 **	8.9	11.2	
					California	937	3.0	2.8	3.2	13.0 **	11.5	14.5	
					United States	NR	NR	--	--	NR	--	--	
1996	172	23.1	19.8	26.8	Bay Area	138	3.0	2.5	3.5	7.7 **	6.7	9.0	
					California	822	2.6	2.4	2.8	9.0 **	7.7	10.4	
					United States	NR	NR	--	--	NR	--	--	
1997	290	38.7	34.4	43.4	Bay Area	175	3.7	3.2	4.3	10.4 **	9.2	11.6	
					California	933	2.9	2.7	3.1	13.4 **	11.9	15.0	
					United States	NR	NR	--	--	NR	--	--	
1998	188	24.8	21.4	28.6	Bay Area	124	2.6	2.2	3.1	9.5 **	8.3	11.0	
					California	700	2.1	2.0	2.3	11.6 **	10.0	13.3	
					United States	NR	NR	--	--	NR	--	--	
1999	174	22.7	19.5	26.3	Bay Area	86	1.8	1.4	2.2	12.8 **	11.0	14.8	
					California	599	1.8	1.7	2.0	12.6 **	10.8	14.6	
					United States	NR	NR	--	--	NR	--	--	
2000	161	20.6	17.5	24.1	Bay Area	71	1.4	1.1	1.8	14.3 **	12.3	16.7	
					California	516	1.5	1.4	1.7	13.5 **	11.6	15.8	
					United States	NR	NR	--	--	NR	--	--	
2001	146	18.5	15.7	21.8	Bay Area	100	2.0	1.6	2.4	9.3 **	7.9	10.9	
					California	568	1.7	1.5	1.8	11.2 **	9.6	13.2	
					United States	NR	NR	--	--	NR	--	--	
2002	150	19.0	16.1	22.3	Bay Area	74	1.5	1.2	1.8	12.9 **	11.0	15.2	
					California	459	1.3	1.2	1.4	14.5 **	12.4	17.1	
					United States	NR	NR	--	--	NR	--	--	
2003	108	13.7	11.3	16.6	Bay Area	72	1.4	1.1	1.8	9.6 **	8.0	11.6	
					California	381	1.1	1.0	1.2	12.8 **	10.6	15.5	
					United States	NR	NR	--	--	NR	--	--	

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

**APPENDIX D2: Standardized Incidence Ratios for Campylobacteriosis
San Francisco, Bay Area, California and United States, 1994-2003**

Year	San Francisco					Comp. Regions					SIR		
	n	Rate	95%LCL	95%UCL		n	Rate	95%LCL	95%UCL		SIR	95%LCL	95%UCL
1994	620	83.4	77.0	90.2	Bay Area	2,122	46.6	44.7	48.6	1.8 **	1.7	1.9	
					California	8,284	26.4	25.8	26.9	3.2 **	2.9	3.4	
					United States	NR	NR	--	--	NR	--	--	
1995	563	76.1	69.9	82.6	Bay Area	1,796	39.2	37.4	41.1	1.9 **	1.8	2.1	
					California	7,359	23.3	22.7	23.8	3.3 **	3.0	3.6	
					United States	NR	NR	--	--	NR	--	--	
1996	610	82.0	75.6	88.8	Bay Area	1,788	38.7	36.9	40.5	2.1 **	2.0	2.3	
					California	8,220	25.8	25.3	26.4	3.2 **	2.9	3.4	
					United States	NR	NR	--	--	NR	--	--	
1997	564	75.3	69.2	81.7	Bay Area	1,685	35.9	34.2	37.7	2.1 **	1.9	2.3	
					California	7,677	23.8	23.3	24.4	3.2 **	2.9	3.4	
					United States	NR	NR	--	--	NR	--	--	
1998	428	56.4	51.2	62.1	Bay Area	1,228	25.7	24.3	27.2	2.2 **	2.0	2.4	
					California	6,079	18.6	18.1	19.1	3.0 **	2.8	3.3	
					United States	NR	NR	--	--	NR	--	--	
1999	349	45.5	40.9	50.6	Bay Area	1,159	24.0	22.6	25.4	1.9 **	1.7	2.1	
					California	5,461	16.5	16.0	16.9	2.8 **	2.5	3.1	
					United States	NR	NR	--	--	NR	--	--	
2000	443	56.7	51.6	62.2	Bay Area	1,353	27.5	26.0	29.0	2.1 **	1.9	2.3	
					California	6,574	19.4	18.9	19.9	2.9 **	2.7	3.2	
					United States	NR	NR	--	--	NR	--	--	
2001	414	52.6	47.7	57.9	Bay Area	1,212	24.3	22.9	25.7	2.2 **	2.0	2.4	
					California	5,747	16.7	16.3	17.1	3.2 **	2.9	3.5	
					United States	NR	NR	--	--	NR	--	--	
2002	376	47.7	43.0	52.8	Bay Area	924	18.4	17.2	19.6	2.6 **	2.3	2.9	
					California	5,848	16.7	16.3	17.1	2.9 **	2.6	3.2	
					United States	NR	NR	--	--	NR	--	--	
2003	331	42.1	37.7	46.8	Bay Area	1,075	21.3	20.0	22.6	2.0 **	1.8	2.2	
					California	5,289	14.9	14.5	15.3	2.8 **	2.5	3.2	
					United States	NR	NR	--	--	NR	--	--	

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

**APPENDIX D3: Standardized Incidence Ratios for Coccidioidomycosis
San Francisco, Bay Area, California and United States, 1994-2003**

Year	n	San Francisco			n	Comp. Regions			SIR	SIR	SIR
		Rate	95%LCL	95%UCL		Rate	95%LCL	95%UCL		95%LCL	95%UCL
1994	7	0.9*	0.4	1.9	Bay Area	83	1.8	1.5	2.3	0.5*	*
					California	2,708	8.6	8.3	9.0	0.1	*
					United States	NR	NR	--	--	NR	--
1995	2	0.3*	0.0	1.0	Bay Area	45	1.0	0.7	1.3	0.3*	*
					California	1,174	3.7	3.5	3.9	0.1	*
					United States	NR	NR	--	--	NR	--
1996	4	0.5*	0.1	1.4	Bay Area	42	0.9	0.7	1.2	0.6*	*
					California	937	2.9	2.8	3.1	0.2	*
					United States	NR	NR	--	--	NR	--
1997	2	0.3*	0.0	1.0	Bay Area	27	0.6	0.4	0.8	0.5*	*
					California	704	2.2	2.0	2.4	0.1	*
					United States	NR	NR	--	--	NR	--
1998	3	0.4*	0.1	1.2	Bay Area	44	0.9	0.7	1.2	0.4*	*
					California	719	2.2	2.0	2.4	0.2	*
					United States	NR	NR	--	--	NR	--
1999	3	0.4*	0.1	1.1	Bay Area	36	0.7	0.5	1.0	0.5*	*
					California	939	2.8	2.7	3.0	0.1	*
					United States	NR	NR	--	--	NR	--
2000	2	0.3*	0.0	0.9	Bay Area	33	0.7	0.5	0.9	0.4*	*
					California	840	2.5	2.3	2.7	0.1	*
					United States	NR	NR	--	--	NR	--
2001	3	0.4*	0.1	1.1	Bay Area	32	0.6	0.4	0.9	0.6*	*
					California	1,538	4.5	4.2	4.7	0.1	*
					United States	NR	NR	--	--	NR	--
2002	1	0.1*	0.0	0.7	Bay Area	34	0.7	0.5	0.9	0.2*	*
					California	1,727	4.9	4.7	5.2	0.0	*
					United States	NR	NR	--	--	NR	--
2003	3	0.4*	0.1	1.1	Bay Area	32	0.6	0.4	0.9	0.6*	*
					California	1,776	5.0	4.8	5.2	0.1	*
					United States	NR	NR	--	--	NR	--

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

**APPENDIX D4: Standardized Incidence Ratios for Cryptosporidiosis
San Francisco, Bay Area, California and United States, 1994-2003**

Year	n	San Francisco			n	Comp. Regions			SIR	SIR	SIR
		Rate	95%LCL	95%UCL		Rate	95%LCL	95%UCL		95%LCL	95%UCL
1994	117	15.7	13.0	18.9	Bay Area	13	0.3*	0.2	0.5	55.1	*
					California	494	1.6	1.4	1.7	10.0 **	8.4
					United States	NR	NR	--	--	NR	--
1995	126	17.0	14.2	20.3	Bay Area	13	0.3*	0.2	0.5	60.0	*
					California	521	1.7	1.5	1.8	10.3 **	8.7
					United States	NR	NR	--	--	NR	--
1996	83	11.2	8.9	13.8	Bay Area	35	0.8	0.5	1.1	14.7 **	11.9
					California	470	1.5	1.3	1.6	7.6 **	6.1
					United States	NR	NR	--	--	NR	--
1997	62	8.3	6.3	10.6	Bay Area	55	1.2	0.9	1.5	7.1 **	5.5
					California	328	1.0	0.9	1.1	8.1 **	6.3
					United States	2,566	0.9	0.9	1.0	8.8 **	6.9
1998	59	7.8	5.9	10.0	Bay Area	73	1.5	1.2	1.9	5.1 **	3.9
					California	363	1.1	1.0	1.2	7.0 **	5.4
					United States	3,793	1.4	1.3	1.4	5.7 **	4.4
1999	71	9.3	7.2	11.7	Bay Area	26	0.5	0.4	0.8	17.2 **	13.7
					California	279	0.8	0.7	0.9	11.0 **	8.7
					United States	2,361	0.9	0.8	0.9	10.9 **	8.7
2000	43	5.5	4.0	7.4	Bay Area	15	0.3*	0.2	0.5	18.1	*
					California	235	0.7	0.6	0.8	7.9 **	5.9
					United States	3,128	1.1	1.1	1.2	5.0 **	3.7
2001	36	4.6	3.2	6.3	Bay Area	23	0.5	0.3	0.7	9.9 **	7.2
					California	229	0.7	0.6	0.8	6.9 **	5.0
					United States	3,785	1.3	1.3	1.4	3.4 **	2.5
2002	24	3.0	2.0	4.5	Bay Area	31	0.6	0.4	0.9	4.9 **	3.3
					California	200	0.6	0.5	0.7	5.3 **	3.6
					United States	3,016	1.1	1.0	1.1	2.9 **	1.9
2003	14	1.8*	1.0	3.0	Bay Area	19	0.4*	0.2	0.6	4.7	*
					California	280	0.8	0.7	0.9	2.3	*
					United States	NA	NA	--	--	NA	--

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

**APPENDIX D5: Standardized Incidence Ratios for *E. coli* O157:H7 Infections
San Francisco, Bay Area, California and United States, 1994-2003**

Year	San Francisco				Comp. Regions				SIR		
	n	Rate	95%LCL	95%UCL	n	Rate	95%LCL	95%UCL	SIR	95%LCL	95%UCL
1994	NR	NR	--	--	Bay Area	NR	NR	--	--	NR	--
					California	NR	NR	--	--	NR	--
					United States	NR	NR	--	--	NR	--
1995	NR	NR	--	--	Bay Area	NR	NR	--	--	NR	--
					California	NR	NR	--	--	NR	--
					United States	2,139	0.8	0.8	0.8	--	--
1996	5	0.7*	0.2	1.6	Bay Area	48	1.0	0.8	1.4	0.6*	*
					California	186	0.6	0.5	0.7	1.2*	*
					United States	2,741	1.0	1.0	1.1	0.7*	*
1997	2	0.3*	0.0	1.0	Bay Area	47	1.0	0.7	1.3	0.3*	*
					California	181	0.6	0.5	0.7	0.5*	*
					United States	2,555	0.9	0.9	1.0	0.3*	*
1998	12	1.6*	0.8	2.8	Bay Area	86	1.8	1.4	2.2	0.9*	*
					California	262	0.8	0.7	0.9	2.0	*
					United States	3,161	1.2	1.1	1.2	1.4*	*
1999	5	0.7*	0.2	1.5	Bay Area	62	1.3	1.0	1.6	0.5*	*
					California	201	0.6	0.5	0.7	1.1*	*
					United States	4,513	1.6	1.6	1.7	0.4	*
2000	6	0.8*	0.3	1.7	Bay Area	73	1.5	1.2	1.9	0.5*	*
					California	313	0.9	0.8	1.0	0.8*	*
					United States	4,528	1.6	1.6	1.7	0.5*	*
2001	8	1.0*	0.4	2.0	Bay Area	60	1.2	0.9	1.5	0.8*	*
					California	254	0.7	0.6	0.8	1.4*	*
					United States	3,287	1.2	1.1	1.2	0.9*	*
2002	16	2.0*	1.2	3.3	Bay Area	70	1.4	1.1	1.8	1.5*	*
					California	269	0.8	0.7	0.9	2.6	*
					United States	3,840	1.3	1.3	1.4	1.5*	*
2003	27	3.4	2.3	5.0	Bay Area	47	0.9	0.7	1.2	3.7 **	2.5
					California	242	0.7	0.6	0.8	5.0 **	3.5
					United States	NA	NA	--	--	NA	--

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

**APPENDIX D6: Standardized Incidence Ratios for Giardiasis
San Francisco, Bay Area, California and United States, 1994-2003**

Year	n	San Francisco			n	Comp. Regions			SIR		
		Rate	95%LCL	95%UCL		Rate	95%LCL	95%UCL	95%LCL	95%UCL	
1994	408	54.9	49.7	60.5	Bay Area	1,197	26.3	24.8	27.8	2.1 **	1.9
					California	6,230	19.8	19.3	20.3	2.8 **	2.5
					United States	NR	NR	--	--	NR	--
1995	410	55.4	50.2	61.0	Bay Area	1,088	23.8	22.4	25.2	2.3 **	2.1
					California	5,409	17.1	16.7	17.6	3.2 **	2.9
					United States	NR	NR	--	--	NR	--
1996	400	53.8	48.6	59.3	Bay Area	974	21.1	19.8	22.4	2.6 **	2.3
					California	5,306	16.7	16.2	17.1	3.2 **	2.9
					United States	NR	NR	--	--	NR	--
1997	372	49.6	44.7	54.9	Bay Area	1,076	22.9	21.6	24.4	2.2 **	2.0
					California	4,766	14.8	14.4	15.2	3.4 **	3.0
					United States	NR	NR	--	--	NR	--
1998	364	48.0	43.2	53.2	Bay Area	912	19.1	17.9	20.4	2.5 **	2.3
					California	4,279	13.1	12.7	13.5	3.7 **	3.3
					United States	NR	NR	--	--	NR	--
1999	349	45.5	40.9	50.6	Bay Area	932	19.3	18.0	20.5	2.4 **	2.1
					California	3,883	11.7	11.4	12.1	3.9 **	3.5
					United States	NR	NR	--	--	NR	--
2000	380	48.6	43.9	53.8	Bay Area	748	15.2	14.1	16.3	3.2 **	2.9
					California	3,551	10.5	10.1	10.8	4.6 **	4.2
					United States	NR	NR	--	--	NR	--
2001	354	45.0	40.4	49.9	Bay Area	731	14.7	13.6	15.8	3.1 **	2.8
					California	3,080	9.0	8.6	9.3	5.0 **	4.5
					United States	NR	NR	--	--	NR	--
2002	311	39.5	35.2	44.1	Bay Area	566	11.2	10.3	12.2	3.5 **	3.1
					California	2,561	7.3	7.0	7.6	5.4 **	4.8
					United States	21,206	7.4	7.3	7.5	5.4 **	4.8
2003	250	31.8	28.0	36.0	Bay Area	453	9.0	8.2	9.8	3.5 **	3.1
					California	2,160	6.1	5.8	6.3	5.2 **	4.6
					United States	NA	NA	--	--	NA	--

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

**APPENDIX D7: Standardized Incidence Ratios for Hepatitis A
San Francisco, Bay Area, California and United States, 1994-2003**

Year	n	San Francisco			n	Comp. Regions			SIR			
		Rate	95%LCL	95%UCL		Rate	95%LCL	95%UCL	SIR	95%LCL	95%UCL	
1994	297	40.0	35.5	44.8	Bay Area	389	8.6	7.7	9.4	4.7 **	4.2	5.2
					California	6,845	21.8	21.3	22.3	1.8 **	1.6	2.1
					United States	26,796	10.2	10.1	10.3	3.9 **	3.5	4.4
1995	455	61.5	56.0	67.4	Bay Area	445	9.7	8.8	10.7	6.3 **	5.8	6.9
					California	6,806	21.5	21.0	22.0	2.9 **	2.6	3.1
					United States	31,582	11.9	11.7	12.0	5.2 **	4.7	5.7
1996	580	77.9	71.7	84.6	Bay Area	509	11.0	10.1	12.0	7.1 **	6.5	7.7
					California	6,653	20.9	20.4	21.4	3.7 **	3.4	4.0
					United States	31,032	11.5	11.4	11.6	6.8 **	6.2	7.3
1997	583	77.8	71.6	84.4	Bay Area	528	11.3	10.3	12.3	6.9 **	6.4	7.5
					California	6,422	19.9	19.5	20.4	3.9 **	3.6	4.2
					United States	30,021	11.0	10.9	11.1	7.1 **	6.5	7.7
1998	295	38.9	34.6	43.6	Bay Area	393	8.2	7.4	9.1	4.7 **	4.2	5.3
					California	4,178	12.8	12.4	13.2	3.0 **	2.7	3.4
					United States	23,229	8.4	8.3	8.5	4.6 **	4.1	5.2
1999	119	15.5	12.9	18.6	Bay Area	294	6.1	5.4	6.8	2.6 **	2.1	3.1
					California	3,439	10.4	10.0	10.7	1.5 **	1.3	1.8
					United States	17,047	6.1	6.0	6.2	2.5 **	2.1	3.0
2000	59	7.6	5.7	9.7	Bay Area	218	4.4	3.9	5.1	1.7 **	1.3	2.2
					California	2,992	8.8	8.5	9.2	0.9	0.7	1.1
					United States	13,397	4.8	4.7	4.8	1.6 **	1.2	2.0
2001	79	10.0	7.9	12.5	Bay Area	217	4.4	3.8	5.0	2.3 **	1.9	2.9
					California	1,848	5.4	5.1	5.6	1.9 **	1.5	2.3
					United States	10,609	3.7	3.7	3.8	2.7 **	2.2	3.4
2002	38	4.8	3.4	6.6	Bay Area	148	2.9	2.5	3.5	1.6 **	1.2	2.3
					California	1,452	4.1	3.9	4.4	1.2	0.8	1.6
					United States	8,795	3.1	3.0	3.1	1.6 **	1.1	2.2
2003	15	1.9*	1.1	3.1	Bay Area	85	1.7	1.3	2.1	1.1*	*	*
					California	1,134	3.2	3.0	3.4	0.6	*	*
					United States	NA	NA	--	--	NA	--	--

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

**APPENDIX D8: Standardized Incidence Ratios for Acute Hepatitis B
San Francisco, Bay Area, California and United States, 1994-2003**

Year	n	San Francisco			n	Comp. Regions			SIR			
		Rate	95%LCL	95%UCL		Rate	95%LCL	95%UCL	SIR	95%LCL	95%UCL	
1994	72	9.7	7.6	12.2	Bay Area	120	2.6	2.2	3.7 **	2.9	4.6	
					California		6.8	6.5		1.4 **	1.1	1.8
					United States		4.8	4.7		2.0 **	1.6	2.6
1995	52	7.0	5.2	9.2	Bay Area	91	2.0	1.6	3.5 **	2.7	4.6	
					California		5.5	5.2		1.3	1.0	1.7
					United States		4.1	4.0		1.7 **	1.3	2.3
1996	59	7.9	6.0	10.2	Bay Area	44	1.0	0.7	8.3 **	6.5	10.7	
					California		5.4	5.1		1.5 **	1.1	1.9
					United States		4.0	3.9		2.0 **	1.6	2.6
1997	58	7.7	5.9	10.0	Bay Area	80	1.7	1.4	4.5 **	3.5	5.9	
					California		5.2	4.9		1.5 **	1.2	1.9
					United States		3.8	3.7		2.0 **	1.6	2.6
1998	66	8.7	6.7	11.1	Bay Area	80	1.7	1.3	5.2 **	4.1	6.6	
					California		4.4	4.2		2.0 **	1.5	2.5
					United States		3.7	3.6		2.3 **	1.8	3.0
1999	51	6.7	5.0	8.7	Bay Area	62	1.3	1.0	5.2 **	3.9	6.8	
					California		3.7	3.5		1.8 **	1.4	2.4
					United States		2.8	2.7		2.4 **	1.8	3.2
2000	58	7.4	5.6	9.6	Bay Area	64	1.3	1.0	5.7 **	4.4	7.4	
					California		3.2	3.0		2.3 **	1.8	3.0
					United States		2.9	2.8		2.6 **	2.0	3.4
2001	64	8.1	6.3	10.4	Bay Area	73	1.5	1.1	5.6 **	4.3	7.1	
					California		2.5	2.3		3.3 **	2.6	4.2
					United States		2.8	2.7		3.0 **	2.3	3.8
2002	34	4.3	3.0	6.0	Bay Area	67	1.3	1.0	3.2 **	2.3	4.5	
					California		1.8	1.6		2.5 **	1.8	3.4
					United States		2.8	2.7		1.6 **	1.1	2.2
2003	44	5.6	4.1	7.5	Bay Area	59	1.2	0.9	4.8 **	3.6	6.4	
					California		1.8	1.7		3.1 **	2.3	4.1
					United States		NA	NA		NA	--	--

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHD to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

**APPENDIX D9: Standardized Incidence Ratios for Legionellosis
San Francisco, Bay Area, California and United States, 1994-2003**

Year	n	San Francisco			n	Comp. Regions			SIR	SIR	SIR
		Rate	95%LCL	95%UCL		Rate	95%LCL	95%UCL		95%LCL	95%UCL
1994	2	0.3*	0.0	1.0	Bay Area	10	0.2*	0.1	0.4	1.2*	*
					California	54	0.2	0.1	0.2	1.6*	*
					United States	1,615	0.6	0.6	0.6	0.4*	*
1995	2	0.3*	0.0	1.0	Bay Area	17	0.4*	0.2	0.6	0.7*	*
					California	79	0.3	0.2	0.3	1.1*	*
					United States	1,241	0.5	0.4	0.5	0.6*	*
1996	2	0.3*	0.0	1.0	Bay Area	10	0.2*	0.1	0.4	1.2*	*
					California	43	0.1	0.1	0.2	2.0*	*
					United States	1,198	0.4	0.4	0.5	0.6*	*
1997	0	0.0*	0.0	0.4	Bay Area	4	0.1*	0.0	0.2	0.0*	*
					California	61	0.2	0.1	0.2	0.0*	*
					United States	1,163	0.4	0.4	0.5	0.0*	*
1998	4	0.5*	0.1	1.4	Bay Area	7	0.2*	0.1	0.3	3.6	*
					California	52	0.2	0.1	0.2	3.3	*
					United States	1,355	0.5	0.5	0.5	1.1*	*
1999	2	0.3*	0.0	0.9	Bay Area	10	0.2*	0.1	0.4	1.3*	*
					California	63	0.2	0.1	0.2	1.4*	*
					United States	1,108	0.4	0.4	0.4	0.7*	*
2000	2	0.3*	0.0	0.9	Bay Area	8	0.2*	0.1	0.3	1.6*	*
					California	54	0.2	0.1	0.2	1.6*	*
					United States	1,127	0.4	0.4	0.4	0.6*	*
2001	2	0.3*	0.0	0.9	Bay Area	10	0.2*	0.1	0.4	1.3*	*
					California	48	0.1	0.1	0.2	1.8*	*
					United States	1,168	0.4	0.4	0.4	0.6*	*
2002	1	0.1*	0.0	0.7	Bay Area	7	0.1*	0.1	0.3	0.9*	*
					California	60	0.2	0.1	0.2	0.7*	*
					United States	1,321	0.5	0.4	0.5	0.3*	*
2003	0	0.0*	0.0	0.4	Bay Area	11	0.2*	0.1	0.4	0.0*	*
					California	91	0.3	0.2	0.3	0.0*	*
					United States	NA	NA	--	--	NA	--

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

**APPENDIX D10: Standardized Incidence Ratios for Listeriosis
San Francisco, Bay Area, California and United States, 1994-2003**

Year	n	San Francisco			n	Comp. Regions			SIR	SIR	SIR
		Rate	95%LCL	95%UCL		Rate	95%LCL	95%UCL		95%LCL	95%UCL
1994	9	1.2*	0.6	2.3	Bay Area	27	0.6	0.4	0.9	2.0	*
					California	126	0.4	0.3	0.5	3.0	*
					United States	NR	NR	--	--	NR	--
1995	8	1.1*	0.5	2.1	Bay Area	24	0.5	0.3	0.8	2.1	*
					California	145	0.5	0.4	0.5	2.4	*
					United States	NR	NR	--	--	NR	--
1996	7	0.9*	0.4	1.9	Bay Area	14	0.3*	0.2	0.5	3.1	*
					California	95	0.3	0.2	0.4	3.2	*
					United States	NR	NR	--	--	NR	--
1997	6	0.8*	0.3	1.7	Bay Area	13	0.3*	0.1	0.5	2.9	*
					California	102	0.3	0.3	0.4	2.5	*
					United States	NR	NR	--	--	NR	--
1998	3	0.4*	0.1	1.2	Bay Area	9	0.2*	0.1	0.4	2.1*	*
					California	100	0.3	0.2	0.4	1.3*	*
					United States	NR	NR	--	--	NR	--
1999	9	1.2*	0.5	2.2	Bay Area	20	0.4	0.3	0.6	2.8	*
					California	100	0.3	0.2	0.4	3.9	*
					United States	NR	NR	--	--	NR	--
2000	5	0.6*	0.2	1.5	Bay Area	16	0.3*	0.2	0.5	2.0*	*
					California	125	0.4	0.3	0.4	1.7*	*
					United States	755	0.3	0.2	0.3	2.4*	*
2001	4	0.5*	0.1	1.3	Bay Area	17	0.3*	0.2	0.5	1.5*	*
					California	122	0.4	0.3	0.4	1.4*	*
					United States	613	0.2	0.2	0.2	2.4*	*
2002	4	0.5*	0.1	1.3	Bay Area	14	0.3*	0.2	0.5	1.8*	*
					California	83	0.2	0.2	0.3	2.1*	*
					United States	665	0.2	0.2	0.2	2.2*	*
2003	6	0.8*	0.3	1.7	Bay Area	20	0.4	0.2	0.6	1.9*	*
					California	96	0.3	0.2	0.3	2.8	*
					United States	NA	NA	--	--	NA	--

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

**APPENDIX D11: Standardized Incidence Ratios for Lyme Disease
San Francisco, Bay Area, California and United States, 1994-2003**

Year	n	San Francisco			n	Comp. Regions			SIR	SIR	SIR
		Rate	95%LCL	95%UCL		Rate	95%LCL	95%UCL		95%LCL	95%UCL
1994	1	0.1*	0.0	0.7	Bay Area	9	0.2*	0.1	0.4	0.7*	*
					California	68	0.2	0.2	0.3	0.6*	*
					United States	13,043	5.0	4.9	5.0	0.0	*
1995	1	0.1*	0.0	0.8	Bay Area	16	0.4*	0.2	0.6	0.4*	*
					California	80	0.3	0.2	0.3	0.5*	*
					United States	11,700	4.4	4.3	4.5	0.0	*
1996	4	0.5*	0.1	1.4	Bay Area	6	0.1*	0.0	0.3	4.1	*
					California	65	0.2	0.2	0.3	2.6*	*
					United States	16,455	6.1	6.0	6.2	0.1	*
1997	1	0.1*	0.0	0.7	Bay Area	19	0.4*	0.2	0.6	0.3*	*
					California	154	0.5	0.4	0.6	0.3*	*
					United States	12,801	4.7	4.6	4.8	0.0	*
1998	6	0.8*	0.3	1.7	Bay Area	25	0.5	0.3	0.8	1.5*	*
					California	135	0.4	0.3	0.5	1.9*	*
					United States	16,801	6.1	6.0	6.2	0.1	*
1999	1	0.1*	0.0	0.7	Bay Area	15	0.3*	0.2	0.5	0.4*	*
					California	139	0.4	0.4	0.5	0.3*	*
					United States	16,273	5.8	5.7	5.9	0.0	*
2000	2	0.3*	0.0	0.9	Bay Area	14	0.3*	0.2	0.5	0.9*	*
					California	96	0.3	0.2	0.3	0.9*	*
					United States	17,730	6.3	6.2	6.4	0.0	*
2001	3	0.4*	0.1	1.1	Bay Area	13	0.3*	0.1	0.4	1.5*	*
					California	95	0.3	0.2	0.3	1.4*	*
					United States	17,029	6.0	5.9	6.1	0.1	*
2002	3	0.4*	0.1	1.1	Bay Area	23	0.5	0.3	0.7	0.8*	*
					California	97	0.3	0.2	0.3	1.4*	*
					United States	23,763	8.3	8.1	8.4	0.0	*
2003	6	0.8*	0.3	1.7	Bay Area	18	0.4*	0.2	0.6	2.1*	*
					California	103	0.3	0.2	0.4	2.6	*
					United States	NA	NA	--	--	NA	--

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

**APPENDIX D12: Standardized Incidence Ratios for Malaria
San Francisco, Bay Area, California and United States, 1994-2003**

Year	n	San Francisco			n	Comp. Regions			SIR	SIR	SIR
		Rate	95%LCL	95%UCL		Rate	95%LCL	95%UCL		95%LCL	95%UCL
1994	14	1.9*	1.0	3.2	Bay Area	59	1.3	1.0	1.7	1.5*	*
					California	217	0.7	0.6	0.8	2.7	*
					United States	1,229	0.5	0.4	0.5	4.0	*
1995	16	2.2*	1.2	3.5	Bay Area	62	1.4	1.0	1.7	1.6*	*
					California	244	0.8	0.7	0.9	2.8	*
					United States	1,419	0.5	0.5	0.6	4.1	*
1996	15	2.0*	1.1	3.3	Bay Area	129	2.8	2.3	3.3	0.7*	*
					California	343	1.1	1.0	1.2	1.9	*
					United States	1,800	0.7	0.6	0.7	3.0	*
1997	15	2.0*	1.1	3.3	Bay Area	180	3.8	3.3	4.4	0.5	*
					California	406	1.3	1.1	1.4	1.6*	*
					United States	2,001	0.7	0.7	0.8	2.7	*
1998	14	1.8*	1.0	3.1	Bay Area	67	1.4	1.1	1.8	1.3*	*
					California	217	0.7	0.6	0.8	2.8	*
					United States	1,611	0.6	0.6	0.6	3.2	*
1999	15	2.0*	1.1	3.2	Bay Area	58	1.2	0.9	1.5	1.6*	*
					California	218	0.7	0.6	0.8	3.0	*
					United States	1,666	0.6	0.6	0.6	3.3	*
2000	15	1.9*	1.1	3.2	Bay Area	55	1.1	0.8	1.5	1.7	*
					California	194	0.6	0.5	0.7	3.4	*
					United States	1,560	0.6	0.5	0.6	3.5	*
2001	11	1.4*	0.7	2.5	Bay Area	50	1.0	0.7	1.3	1.4*	*
					California	179	0.5	0.4	0.6	2.7	*
					United States	1,544	0.5	0.5	0.6	2.6	*
2002	10	1.3*	0.6	2.3	Bay Area	58	1.2	0.9	1.5	1.1*	*
					California	185	0.5	0.5	0.6	2.4	*
					United States	1,430	0.5	0.5	0.5	2.6	*
2003	7	0.9*	0.4	1.8	Bay Area	51	1.0	0.8	1.3	0.9*	*
					California	158	0.4	0.4	0.5	2.0*	*
					United States	NA	NA	--	--	NA	--

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

APPENDIX D13: Standardized Incidence Ratios for Measles
San Francisco, Bay Area, California and United States, 1994-2003

Year	n	San Francisco			n	Comp. Regions			SIR	SIR	SIR
		Rate	95%LCL	95%UCL		Rate	95%LCL	95%UCL		95%LCL	95%UCL
1994	2	0.3*	0.0	1.0	Bay Area	7	0.2*	0.1	0.3	1.7*	*
					California	62	0.2	0.2	0.3	1.4*	*
					United States	963	0.4	0.3	0.4	0.7*	*
1995	2	0.3*	0.0	1.0	Bay Area	2	0.0*	0.0	0.2	6.2	*
					California	111	0.4	0.3	0.4	0.8*	*
					United States	309	0.1	0.1	0.1	2.3*	*
1996	2	0.3*	0.0	1.0	Bay Area	1	0.0*	0.0	0.1	12.4	*
					California	55	0.2	0.1	0.2	1.6*	*
					United States	508	0.2	0.2	0.2	1.4*	*
1997	1	0.1*	0.0	0.7	Bay Area	7	0.2*	0.1	0.3	0.9*	*
					California	30	0.1	0.1	0.1	1.4*	*
					United States	138	0.1	0.0	0.1	2.6*	*
1998	1	0.1*	0.0	0.7	Bay Area	0	0.0*	0.0	0.1	--	*
					California	10	0.0*	0.0	0.1	4.3*	*
					United States	100	0.0	0.0	0.0	3.6*	*
1999	0	0.0*	0.0	0.4	Bay Area	3	0.1*	0.0	0.2	0.0*	*
					California	18	0.1*	0.0	0.1	0.0*	*
					United States	100	0.0	0.0	0.0	0.0*	*
2000	0	0.0*	0.0	0.4	Bay Area	5	0.1*	0.0	0.2	0.0*	*
					California	19	0.1*	0.0	0.1	0.0*	*
					United States	86	0.0	0.0	0.0	0.0*	*
2001	11	1.4*	0.7	2.5	Bay Area	4	0.1*	0.0	0.2	17.4	*
					California	46	0.1	0.1	0.2	10.5	*
					United States	116	0.0	0.0	0.0	34.3	*
2002	2	0.3*	0.0	0.9	Bay Area	0	0.0*	0.0	0.1	--	*
					California	5	0.0*	0.0	0.0	17.8	*
					United States	44	0.0	0.0	0.0	16.6	*
2003	0	0.0*	0.0	0.4	Bay Area	0	0.0*	0.0	0.1	--	*
					California	1	0.0*	0.0	0.0	0.0*	*
					United States	NA	NA	--	--	NA	--

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

APPENDIX D14: Standardized Incidence Ratios for Meningococcal Disease
San Francisco, Bay Area, California and United States, 1994-2003

Year	n	San Francisco			n	Comp. Regions			SIR	SIR	SIR
		Rate	95%LCL	95%UCL		Rate	95%LCL	95%UCL		95%LCL	95%UCL
1994	17	2.3*	1.3	3.7	Bay Area	72	1.6	1.2	2.0	1.4*	*
					California	399	1.3	1.1	1.4	1.8	*
					United States	2,886	1.1	1.1	1.1	2.1	*
1995	14	1.9*	1.0	3.2	Bay Area	59	1.3	1.0	1.7	1.5*	*
					California	370	1.2	1.1	1.3	1.6*	*
					United States	3,243	1.2	1.2	1.3	1.6*	*
1996	19	2.6*	1.5	4.0	Bay Area	67	1.5	1.1	1.8	1.8	*
					California	436	1.4	1.2	1.5	1.9	*
					United States	3,437	1.3	1.2	1.3	2.0	*
1997	11	1.5*	0.7	2.6	Bay Area	64	1.4	1.1	1.7	1.1*	*
					California	402	1.3	1.1	1.4	1.2*	*
					United States	3,308	1.2	1.2	1.3	1.2*	*
1998	9	1.2*	0.5	2.3	Bay Area	52	1.1	0.8	1.4	1.1*	*
					California	319	1.0	0.9	1.1	1.2*	*
					United States	2,725	1.0	1.0	1.0	1.2*	*
1999	15	2.0*	1.1	3.2	Bay Area	102	2.1	1.7	2.6	0.9*	*
					California	305	0.9	0.8	1.0	2.1	*
					United States	2,501	0.9	0.9	0.9	2.2	*
2000	13	1.7*	0.9	2.8	Bay Area	47	1.0	0.7	1.3	1.7	*
					California	328	1.0	0.9	1.1	1.7*	*
					United States	2,256	0.8	0.8	0.8	2.1	*
2001	9	1.1*	0.5	2.2	Bay Area	50	1.0	0.7	1.3	1.1*	*
					California	310	0.9	0.8	1.0	1.3*	*
					United States	2,333	0.8	0.8	0.9	1.4*	*
2002	11	1.4*	0.7	2.5	Bay Area	35	0.7	0.5	1.0	2.0	*
					California	224	0.6	0.6	0.7	2.2	*
					United States	1,814	0.6	0.6	0.7	2.2	*
2003	9	1.1*	0.5	2.2	Bay Area	24	0.5	0.3	0.7	2.4	*
					California	239	0.7	0.6	0.8	1.7*	*
					United States	NA	NA	--	--	NA	--

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHD to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

**APPENDIX D15: Standardized Incidence Ratios for Mumps
San Francisco, Bay Area, California and United States, 1994-2003**

Year	n	San Francisco			n	Comp. Regions			SIR	SIR	SIR
		Rate	95%LCL	95%UCL		Rate	95%LCL	95%UCL		95%LCL	95%UCL
1994	5	0.7*	0.2	1.6	Bay Area	28	0.6	0.4	0.9	1.1*	*
					California	275	0.9	0.8	1.0	0.8*	*
					United States	1,537	0.6	0.6	0.6	1.2*	*
1995	2	0.3*	0.0	1.0	Bay Area	23	0.5	0.3	0.8	0.5*	*
					California	212	0.7	0.6	0.8	0.4*	*
					United States	906	0.3	0.3	0.4	0.8*	*
1996	1	0.1*	0.0	0.7	Bay Area	22	0.5	0.3	0.7	0.3*	*
					California	185	0.6	0.5	0.7	0.2*	*
					United States	751	0.3	0.3	0.3	0.5*	*
1997	4	0.5*	0.1	1.4	Bay Area	15	0.3*	0.2	0.5	1.7*	*
					California	151	0.5	0.4	0.5	1.1*	*
					United States	683	0.3	0.2	0.3	2.1*	*
1998	3	0.4*	0.1	1.2	Bay Area	13	0.3*	0.1	0.5	1.5*	*
					California	110	0.3	0.3	0.4	1.2*	*
					United States	666	0.2	0.2	0.3	1.6*	*
1999	1	0.1*	0.0	0.7	Bay Area	18	0.4*	0.2	0.6	0.4*	*
					California	95	0.3	0.2	0.4	0.5*	*
					United States	387	0.1	0.1	0.2	0.9*	*
2000	3	0.4*	0.1	1.1	Bay Area	10	0.2*	0.1	0.4	1.9*	*
					California	89	0.3	0.2	0.3	1.5*	*
					United States	338	0.1	0.1	0.1	3.2	*
2001	1	0.1*	0.0	0.7	Bay Area	8	0.2*	0.1	0.3	0.8*	*
					California	48	0.1	0.1	0.2	0.9*	*
					United States	266	0.1	0.1	0.1	1.4*	*
2002	1	0.1*	0.0	0.7	Bay Area	11	0.2*	0.1	0.4	0.6*	*
					California	70	0.2	0.2	0.3	0.6*	*
					United States	270	0.1	0.1	0.1	1.4*	*
2003	0	0.0*	0.0	0.4	Bay Area	5	0.1*	0.0	0.2	0.0*	*
					California	58	0.2	0.1	0.2	0.0*	*
					United States	NA	NA	--	--	NA	--

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

APPENDIX D16: Standardized Incidence Ratios for Pertussis
San Francisco, Bay Area, California and United States, 1994-2003

Year	n	San Francisco			n	Comp. Regions			SIR	SIR	SIR
		Rate	95%LCL	95%UCL		Rate	95%LCL	95%UCL		95%LCL	95%UCL
1994	11	1.5*	0.7	2.6	Bay Area	163	3.6	3.1	4.2	0.4	*
					California	603	1.9	1.8	2.1	0.8*	*
					United States	4,617	1.8	1.7	1.8	0.8*	*
1995	23	3.1	2.0	4.7	Bay Area	76	1.7	1.3	2.1	1.9 **	1.2
					California	543	1.7	1.6	1.9	1.8 **	1.2
					United States	5,137	1.9	1.9	2.0	1.6 **	1.1
1996	11	1.5*	0.7	2.6	Bay Area	114	2.5	2.0	3.0	0.6*	*
					California	783	2.5	2.3	2.6	0.6*	*
					United States	7,796	2.9	2.8	3.0	0.5	*
1997	10	1.3*	0.6	2.5	Bay Area	46	1.0	0.7	1.3	1.4*	*
					California	483	1.5	1.4	1.6	0.9*	*
					United States	6,564	2.4	2.3	2.5	0.6*	*
1998	35	4.6	3.2	6.4	Bay Area	339	7.1	6.4	7.9	0.6 **	0.5
					California	1,085	3.3	3.1	3.5	1.4	1.0
					United States	7,405	2.7	2.6	2.7	1.7 **	1.2
1999	26	3.4	2.2	5.0	Bay Area	184	3.8	3.3	4.4	0.9	0.6
					California	1,144	3.5	3.3	3.7	1.0	0.7
					United States	7,288	2.6	2.6	2.7	1.3	0.9
2000	31	4.0	2.7	5.6	Bay Area	141	2.9	2.4	3.4	1.4	1.0
					California	631	1.9	1.7	2.0	2.1 **	1.5
					United States	7,867	2.8	2.7	2.9	1.4	1.0
2001	9	1.1*	0.5	2.2	Bay Area	89	1.8	1.4	2.2	0.6*	*
					California	706	2.1	1.9	2.2	0.6*	*
					United States	7,580	2.7	2.6	2.7	0.4	*
2002	6	0.8*	0.3	1.7	Bay Area	40	0.8	0.6	1.1	1.0*	*
					California	1,120	3.2	3.0	3.4	0.2	*
					United States	9,771	3.4	3.3	3.5	0.2	*
2003	10	1.3*	0.6	2.3	Bay Area	23	0.5	0.3	0.7	2.8	*
					California	882	2.5	2.3	2.6	0.5	*
					United States	NA	NA	--	--	NA	--

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHD to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

**APPENDIX D17: Standardized Incidence Ratios for Salmonellosis
San Francisco, Bay Area, California and United States, 1994-2003**

Year	n	San Francisco			n	Comp. Regions			SIR			
		Rate	95%LCL	95%UCL		Rate	95%LCL	95%UCL	SIR	95%LCL	95%UCL	
1994	193	26.0	22.4	29.9	Bay Area	762	16.7	15.6	18.0	1.6 **	1.3	1.8
					California	6,586	21.0	20.5	21.5	1.2 **	1.1	1.4
					United States	43,323	16.5	16.3	16.6	1.6 **	1.4	1.8
1995	197	26.6	23.0	30.6	Bay Area	891	19.5	18.2	20.8	1.4 **	1.2	1.6
					California	6,396	20.2	19.7	20.7	1.3 **	1.1	1.5
					United States	45,970	17.3	17.1	17.4	1.5 **	1.3	1.8
1996	188	25.3	21.8	29.1	Bay Area	1,077	23.3	21.9	24.7	1.1	0.9	1.3
					California	6,544	20.6	20.1	21.1	1.2 **	1.1	1.4
					United States	45,471	16.9	16.7	17.0	1.5 **	1.3	1.7
1997	204	27.2	23.6	31.2	Bay Area	1,028	21.9	20.6	23.3	1.2 **	1.1	1.4
					California	5,993	18.6	18.1	19.1	1.5 **	1.3	1.7
					United States	41,901	15.4	15.2	15.5	1.8 **	1.5	2.0
1998	178	23.5	20.2	27.2	Bay Area	740	15.5	14.4	16.7	1.5 **	1.3	1.8
					California	4,724	14.5	14.1	14.9	1.6 **	1.4	1.9
					United States	43,694	15.8	15.7	16.0	1.5 **	1.3	1.7
1999	169	22.0	18.8	25.6	Bay Area	792	16.4	15.2	17.5	1.3 **	1.2	1.6
					California	4,208	12.7	12.3	13.1	1.7 **	1.5	2.0
					United States	40,596	14.6	14.4	14.7	1.5 **	1.3	1.8
2000	137	17.5	14.7	20.7	Bay Area	703	14.3	13.2	15.4	1.2 **	1.0	1.5
					California	4,300	12.7	12.3	13.1	1.4 **	1.2	1.6
					United States	39,574	14.1	13.9	14.2	1.2 **	1.1	1.5
2001	158	20.1	17.1	23.5	Bay Area	794	15.9	14.8	17.1	1.3 **	1.1	1.5
					California	4,159	12.1	11.7	12.5	1.7 **	1.4	1.9
					United States	40,495	14.2	14.1	14.3	1.4 **	1.2	1.7
2002	150	19.0	16.1	22.3	Bay Area	785	15.6	14.5	16.7	1.2 **	1.0	1.4
					California	4,235	12.1	11.7	12.5	1.6 **	1.3	1.8
					United States	44,264	15.4	15.2	15.5	1.2 **	1.1	1.5
2003	135	17.2	14.4	20.3	Bay Area	719	14.2	13.2	15.3	1.2 **	1.0	1.4
					California	4,034	11.3	11.0	11.7	1.5 **	1.3	1.8
					United States	NA	NA	--	--	NA	--	--

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

**APPENDIX D18: Standardized Incidence Ratios for Shigellosis
San Francisco, Bay Area, California and United States, 1994-2003**

Year	San Francisco					Comp. Regions					SIR		
	n	Rate	95%LCL	95%UCL	n	Rate	95%LCL	95%UCL	SIR	95%LCL	95%UCL		
1994	237	31.9	28.0	36.2	Bay Area	515	11.3	10.4	12.3	2.8 **	2.5	3.2	
					California	4,094	13.0	12.6	13.4	2.4 **	2.2	2.8	
					United States	29,769	11.3	11.2	11.4	2.8 **	2.5	3.2	
1995	325	43.9	39.3	49.0	Bay Area	656	14.3	13.2	15.5	3.1 **	2.8	3.4	
					California	5,423	17.2	16.7	17.6	2.6 **	2.3	2.9	
					United States	32,080	12.1	11.9	12.2	3.6 **	3.3	4.1	
1996	261	35.1	30.9	39.6	Bay Area	436	9.4	8.6	10.4	3.7 **	3.3	4.2	
					California	3,950	12.4	12.0	12.8	2.8 **	2.5	3.2	
					United States	25,978	9.6	9.5	9.8	3.6 **	3.2	4.1	
1997	206	27.5	23.9	31.5	Bay Area	454	9.7	8.8	10.6	2.8 **	2.5	3.3	
					California	3,221	10.0	9.7	10.4	2.7 **	2.4	3.2	
					United States	23,117	8.5	8.4	8.6	3.2 **	2.8	3.7	
1998	156	20.6	17.5	24.1	Bay Area	482	10.1	9.2	11.0	2.0 **	1.7	2.4	
					California	3,033	9.3	9.0	9.6	2.2 **	1.9	2.6	
					United States	23,626	8.6	8.5	8.7	2.4 **	2.1	2.8	
1999	113	14.7	12.1	17.7	Bay Area	386	8.0	7.2	8.8	1.8 **	1.5	2.2	
					California	2,364	7.1	6.8	7.4	2.1 **	1.7	2.5	
					United States	17,521	6.3	6.2	6.4	2.3 **	2.0	2.8	
2000	356	45.6	41.0	50.6	Bay Area	435	8.8	8.0	9.7	5.2 **	4.7	5.7	
					California	2,853	8.4	8.1	8.7	5.4 **	4.9	6.0	
					United States	22,922	8.2	8.0	8.3	5.6 **	5.0	6.2	
2001	285	36.2	32.1	40.7	Bay Area	332	6.7	6.0	7.4	5.4 **	4.8	6.1	
					California	2,149	6.2	6.0	6.5	5.8 **	5.2	6.5	
					United States	20,221	7.1	7.0	7.2	5.1 **	4.5	5.7	
2002	186	23.6	20.3	27.2	Bay Area	362	7.2	6.5	8.0	3.3 **	2.8	3.8	
					California	2,742	7.8	7.5	8.1	3.0 **	2.6	3.5	
					United States	23,541	8.2	8.1	8.3	2.9 **	2.5	3.3	
2003	156	19.8	16.8	23.2	Bay Area	267	5.3	4.7	6.0	3.8 **	3.2	4.4	
					California	2,174	6.1	5.9	6.4	3.2 **	2.8	3.8	
					United States	NA	NA	--	--	NA	--	--	

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

**APPENDIX D19: Standardized Incidence Ratios for Acute Typhoid Fever
San Francisco, Bay Area, California and United States, 1994-2003**

Year	n	San Francisco			n	Comp. Regions			SIR	SIR	SIR
		Rate	95%LCL	95%UCL		Rate	95%LCL	95%UCL		95%LCL	95%UCL
1994	4	0.5*	0.1	1.4	Bay Area	35	0.8	0.5	1.1	0.7*	*
					California	112	0.4	0.3	0.4	1.5*	*
					United States	441	0.2	0.2	0.2	3.2	*
1995	5	0.7*	0.2	1.6	Bay Area	23	0.5	0.3	0.8	1.3*	*
					California	73	0.2	0.2	0.3	2.9	*
					United States	369	0.1	0.1	0.2	4.9	*
1996	3	0.4*	0.1	1.2	Bay Area	23	0.5	0.3	0.7	0.8*	*
					California	86	0.3	0.2	0.3	1.5*	*
					United States	396	0.2	0.1	0.2	2.7*	*
1997	4	0.5*	0.1	1.4	Bay Area	23	0.5	0.3	0.7	1.1*	*
					California	83	0.3	0.2	0.3	2.1*	*
					United States	365	0.1	0.1	0.1	4.0	*
1998	4	0.5*	0.1	1.4	Bay Area	25	0.5	0.3	0.8	1.0*	*
					California	83	0.3	0.2	0.3	2.1*	*
					United States	375	0.1	0.1	0.2	3.9	*
1999	1	0.1*	0.0	0.7	Bay Area	17	0.4*	0.2	0.6	0.4*	*
					California	73	0.2	0.2	0.3	0.6*	*
					United States	346	0.1	0.1	0.1	1.1*	*
2000	1	0.1*	0.0	0.7	Bay Area	25	0.5	0.3	0.7	0.3*	*
					California	78	0.2	0.2	0.3	0.6*	*
					United States	377	0.1	0.1	0.1	1.0*	*
2001	6	0.8*	0.3	1.7	Bay Area	25	0.5	0.3	0.7	1.5*	*
					California	82	0.2	0.2	0.3	3.2	*
					United States	368	0.1	0.1	0.1	5.9	*
2002	2	0.3*	0.0	0.9	Bay Area	26	0.5	0.3	0.8	0.5*	*
					California	80	0.2	0.2	0.3	1.1*	*
					United States	321	0.1	0.1	0.1	2.3*	*
2003	1	0.1*	0.0	0.7	Bay Area	31	0.6	0.4	0.9	0.2*	*
					California	90	0.3	0.2	0.3	0.5*	*
					United States	NA	NA	--	--	NA	--

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

APPENDIX D20: Standardized Incidence Ratios for Vibriosis
San Francisco, Bay Area, California and United States, 1994-2003

Year	n	San Francisco			n	Comp. Regions			SIR	SIR	SIR
		Rate	95%LCL	95%UCL		Rate	95%LCL	95%UCL		95%LCL	95%UCL
1994	4	0.5*	0.1	1.4	Bay Area	3	0.1*	0.0	0.2	8.2	*
					California	27	0.1	0.1	0.1	6.3	*
					United States	NR	NR	--	--	NR	--
1995	5	0.7*	0.2	1.6	Bay Area	8	0.2*	0.1	0.3	3.9	*
					California	44	0.1	0.1	0.2	4.9	*
					United States	NR	NR	--	--	NR	--
1996	8	1.1*	0.5	2.1	Bay Area	8	0.2*	0.1	0.3	6.2	*
					California	61	0.2	0.1	0.2	5.6	*
					United States	NR	NR	--	--	NR	--
1997	25	3.3	2.2	4.9	Bay Area	51	1.1	0.8	1.4	3.1 **	2.1
					California	134	0.4	0.3	0.5	8.0 **	5.4
					United States	NR	NR	--	--	NR	--
1998	9	1.2*	0.5	2.3	Bay Area	30	0.6	0.4	0.9	1.9*	*
					California	126	0.4	0.3	0.5	3.1	*
					United States	NR	NR	--	--	NR	--
1999	8	1.0*	0.5	2.1	Bay Area	18	0.4*	0.2	0.6	2.8	*
					California	76	0.2	0.2	0.3	4.6	*
					United States	NR	NR	--	--	NR	--
2000	12	1.5*	0.8	2.7	Bay Area	21	0.4	0.3	0.7	3.6	*
					California	77	0.2	0.2	0.3	6.8	*
					United States	NR	NR	--	--	NR	--
2001	4	0.5*	0.1	1.3	Bay Area	27	0.5	0.4	0.8	0.9*	*
					California	83	0.2	0.2	0.3	2.1*	*
					United States	NR	NR	--	--	NR	--
2002	5	0.6*	0.2	1.5	Bay Area	12	0.2*	0.1	0.4	2.7	*
					California	46	0.1	0.1	0.2	4.8	*
					United States	NR	NR	--	--	NR	--
2003	7	0.9*	0.4	1.8	Bay Area	19	0.4*	0.2	0.6	2.4	*
					California	71	0.2	0.2	0.3	4.5	*
					United States	NR	NR	--	--	NR	--

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHD to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

APPENDIX D21: Standardized Incidence Ratios for Viral Meningitis
San Francisco, Bay Area, California and United States, 1994-2003

Year	n	San Francisco			n	Comp. Regions			SIR	SIR	SIR
		Rate	95%LCL	95%UCL		Rate	95%LCL	95%UCL		95%LCL	95%UCL
1994	2	0.3*	0.0	1.0	Bay Area	90	2.0	1.6	2.4	0.1	*
					California	1,502	4.8	4.5	5.0	0.1	*
					United States	NR	NR	--	--	NR	--
1995	3	0.4*	0.1	1.2	Bay Area	107	2.3	1.9	2.8	0.2	*
					California	1,235	3.9	3.7	4.1	0.1	*
					United States	NR	NR	--	--	NR	--
1996	5	0.7*	0.2	1.6	Bay Area	95	2.1	1.7	2.5	0.3	*
					California	1,146	3.6	3.4	3.8	0.2	*
					United States	NR	NR	--	--	NR	--
1997	4	0.5*	0.1	1.4	Bay Area	341	7.3	6.5	8.1	0.1	*
					California	2,307	7.2	6.9	7.5	0.1	*
					United States	NR	NR	--	--	NR	--
1998	8	1.1*	0.5	2.1	Bay Area	135	2.8	2.4	3.3	0.4	*
					California	3,040	9.3	9.0	9.6	0.1	*
					United States	NR	NR	--	--	NR	--
1999	2	0.3*	0.0	0.9	Bay Area	88	1.8	1.5	2.2	0.1	*
					California	1,544	4.7	4.4	4.9	0.1	*
					United States	NR	NR	--	--	NR	--
2000	2	0.3*	0.0	0.9	Bay Area	98	2.0	1.6	2.4	0.1	*
					California	1,688	5.0	4.7	5.2	0.1	*
					United States	NR	NR	--	--	NR	--
2001	15	1.9*	1.1	3.1	Bay Area	147	3.0	2.5	3.5	0.6*	*
					California	2,331	6.8	6.5	7.1	0.3	*
					United States	NR	NR	--	--	NR	--
2002	11	1.4*	0.7	2.5	Bay Area	165	3.3	2.8	3.8	0.4	*
					California	2,613	7.5	7.2	7.7	0.2	*
					United States	NR	NR	--	--	NR	--
2003	7	0.9*	0.4	1.8	Bay Area	187	3.7	3.2	4.3	0.2	*
					California	5,108	14.3	14.0	14.7	0.1	*
					United States	NR	NR	--	--	NR	--

Bay Area: Alameda (excluding the City of Berkeley), Contra Costa, Marin, San Mateo and Santa Clara Counties.

San Francisco data shown by year cases reported to SFDPH. All other data shown by year reported from LHJ to CDHS/CDC.

Sources: SFDPH (San Francisco data), CDHS (Bay Area and California data), CDC (United States data).

Rates are cases per 100,000 population.

SIR=Standardized Incidence Ratio, 95%LCL=Lower Confidence Limit, 95%UCL=Upper Confidence Limit, NA=Not Available, NR=Not Reportable in this jurisdiction.

95% Confidence Limits may appear biased because of rounding to one decimal. Confidence Limits for crude rates are Exact; those for SIR are approximated from the normal distribution.

*Unstable Rate (n<20); no statistical comparison made because at least one rate is unreliable.

**Significantly Different Rates (95% Confidence Level).

APPENDIX E: San Francisco Population Estimates by Sex, Age and Race/Ethnicity, 1986-2003

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Year	Sex	Age	White	Hispanic	Black	Asian/PI	Am Indian	Total
1986	FEMALE	<1 yr	1,474	916	706	1,464	10	4,570
		1-4 yrs	4,974	3,150	2,580	5,259	69	16,032
		5-14 yrs	8,308	6,576	5,462	11,217	122	31,685
		15-24 yrs	24,548	8,818	6,841	15,945	253	56,405
		25-34 yrs	36,298	9,211	7,557	17,583	297	70,946
		35-44 yrs	28,829	6,026	5,458	13,485	245	54,043
		45-54 yrs	14,196	4,492	3,921	10,901	139	33,649
		55-64 yrs	17,395	4,198	4,444	11,231	115	37,383
		65+ yrs	42,161	5,396	5,416	11,207	118	64,298
			178,183	48,783	42,385	98,292	1,368	369,011
1986	MALE	<1 yr	1,603	958	702	1,570	11	4,844
		1-4 yrs	5,188	3,201	2,510	5,530	54	16,483
		5-14 yrs	8,590	7,024	5,686	12,227	133	33,660
		15-24 yrs	24,933	10,494	6,772	15,626	270	58,095
		25-34 yrs	44,289	10,811	7,970	16,640	337	80,047
		35-44 yrs	38,128	6,500	5,810	12,118	288	62,844
		45-54 yrs	18,565	4,086	3,901	9,273	158	35,983
		55-64 yrs	17,428	3,306	3,583	9,101	134	33,552
		65+ yrs	26,386	3,105	3,817	9,576	107	42,991
			185,110	49,485	40,751	91,661	1,492	368,499
1987	FEMALE	<1 yr	1,452	936	670	1,381	15	4,454
		1-4 yrs	4,796	3,182	2,534	5,308	61	15,881
		5-14 yrs	8,002	6,502	5,400	11,353	121	31,378
		15-24 yrs	24,290	8,822	6,486	16,211	246	56,055
		25-34 yrs	35,589	9,412	7,447	17,994	293	70,735
		35-44 yrs	29,576	6,174	5,516	14,339	249	55,854
		45-54 yrs	14,320	4,451	3,844	10,978	139	33,732
		55-64 yrs	16,171	4,121	4,185	11,468	106	36,051
		65+ yrs	40,782	5,493	5,511	11,903	112	63,801
			174,978	49,093	41,593	100,935	1,342	367,941
1987	MALE	<1 yr	1,559	938	679	1,537	10	4,723
		1-4 yrs	5,073	3,203	2,449	5,526	52	16,303
		5-14 yrs	8,387	6,968	5,584	12,405	125	33,469
		15-24 yrs	23,995	10,607	6,442	15,933	268	57,245
		25-34 yrs	43,816	11,153	7,814	17,068	334	80,185
		35-44 yrs	38,828	6,804	5,884	12,849	288	64,653
		45-54 yrs	18,802	4,080	3,858	9,367	159	36,266
		55-64 yrs	16,594	3,253	3,365	9,221	127	32,560
		65+ yrs	25,497	3,126	3,834	9,996	97	42,550
			182,551	50,132	39,909	93,902	1,460	367,954
1987			357,529	99,225	81,502	194,837	2,802	735,895

Year	Sex	Age	White	Hispanic	Black	Asian/PI	Am Indian	Total
1988	FEMALE	<1 yr	1,387	928	673	1,448	14	4,450
		1-4 yrs	4,591	3,134	2,428	5,087	51	15,291
		5-14 yrs	7,701	6,373	5,307	11,384	125	30,890
		15-24 yrs	22,990	8,722	6,043	16,161	228	54,144
		25-34 yrs	35,590	9,547	7,284	18,464	295	71,180
		35-44 yrs	29,695	6,366	5,534	15,138	245	56,978
		45-54 yrs	14,811	4,420	3,818	10,980	143	34,172
		55-64 yrs	14,992	4,059	3,925	11,684	98	34,758
		65+ yrs	39,101	5,566	5,581	12,645	107	63,000
			170,858	49,115	40,593	102,991	1,306	364,863
1988	MALE	<1 yr	1,465	939	679	1,535	18	4,636
		1-4 yrs	4,861	3,145	2,366	5,363	50	15,785
		5-14 yrs	8,107	6,744	5,376	12,350	119	32,696
		15-24 yrs	22,273	10,595	6,124	16,062	260	55,314
		25-34 yrs	43,770	11,480	7,594	17,472	336	80,652
		35-44 yrs	38,950	7,137	5,925	13,605	283	65,900
		45-54 yrs	19,372	4,094	3,780	9,352	159	36,757
		55-64 yrs	15,796	3,240	3,187	9,266	121	31,610
		65+ yrs	24,387	3,106	3,815	10,500	82	41,890
			178,981	50,480	38,846	95,505	1,428	365,240
1989	FEMALE		349,839	99,595	79,439	198,496	2,734	730,103
		<1 yr	1,320	867	652	1,423	11	4,273
		1-4 yrs	4,261	3,060	2,354	4,882	49	14,606
		5-14 yrs	7,427	6,316	5,176	11,376	123	30,418
		15-24 yrs	21,107	8,523	5,738	16,007	216	51,591
		25-34 yrs	36,582	9,752	7,062	19,067	298	72,761
		35-44 yrs	29,542	6,542	5,554	15,953	246	57,837
		45-54 yrs	15,349	4,446	3,767	10,925	144	34,631
		55-64 yrs	13,919	3,986	3,707	11,945	94	33,651
		65+ yrs	37,361	5,634	5,599	13,395	93	62,082
1989	MALE		166,868	49,126	39,609	104,973	1,274	361,850
		<1 yr	1,392	897	690	1,576	13	4,568
		1-4 yrs	4,536	3,084	2,296	5,148	49	15,113
		5-14 yrs	7,782	6,515	5,194	12,231	116	31,838
		15-24 yrs	20,006	10,493	5,789	16,149	238	52,675
		25-34 yrs	44,588	11,918	7,365	17,888	355	82,114
		35-44 yrs	38,997	7,452	5,991	14,433	279	67,152
		45-54 yrs	19,901	4,157	3,734	9,267	163	37,222
		55-64 yrs	15,036	3,212	2,990	9,452	107	30,797
		65+ yrs	23,272	3,105	3,775	10,945	76	41,173
1989			175,510	50,833	37,824	97,089	1,396	362,652
			342,378	99,595	77,433	202,062	2,670	724,502

Source: California Department of Finance, Demographic Research Unit. Note: Am Indian=American Indian/Alaska Native; Asian/PI=Asian/Pacific Islander.

APPENDIX E: San Francisco Population Estimates by Sex, Age and Race/Ethnicity, 1986-2003

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Year	Sex	Age	White	Hispanic	Black	Asian/PI	Am Indian	Total
1990	FEMALE	<1 yr	1,276	889	621	1,286	11	4,083
		1-4 yrs	4,045	2,933	2,224	4,725	47	13,974
		5-14 yrs	8,093	6,500	5,155	11,703	133	31,584
		15-24 yrs	20,328	8,329	5,421	16,206	217	50,501
		25-34 yrs	36,879	9,826	6,806	19,497	296	73,304
		35-44 yrs	29,301	6,780	5,744	17,002	253	59,080
		45-54 yrs	16,064	4,456	3,764	11,107	149	35,540
		55-64 yrs	12,857	3,898	3,461	12,054	94	32,364
		65+ yrs	34,542	5,543	5,648	14,099	96	59,928
			163,385	49,154	38,844	107,679	1,296	360,358
	MALE	<1 yr	1,322	910	672	1,461	10	4,375
		1-4 yrs	4,272	2,965	2,237	5,035	46	14,555
		5-14 yrs	8,287	6,864	5,103	12,344	126	32,724
		15-24 yrs	20,045	10,403	5,445	16,402	240	52,535
		25-34 yrs	44,564	12,204	7,104	18,233	375	82,480
		35-44 yrs	38,609	7,785	6,225	15,398	298	68,315
		45-54 yrs	20,709	4,156	3,754	9,352	162	38,133
		55-64 yrs	14,134	3,159	2,903	9,609	96	29,901
		65+ yrs	21,773	3,048	3,689	11,229	66	39,805
			173,715	51,494	37,132	99,063	1,419	362,823
1990			337,100	100,648	75,976	206,742	2,715	723,181
1991	FEMALE	<1 yr	1,398	1,015	650	1,573	9	4,645
		1-4 yrs	4,200	3,036	2,216	4,853	53	14,358
		5-14 yrs	8,512	6,600	5,021	11,894	150	32,177
		15-24 yrs	20,415	8,187	5,146	16,358	245	50,351
		25-34 yrs	36,092	9,623	6,476	19,463	321	71,975
		35-44 yrs	29,275	6,939	5,773	17,708	285	59,980
		45-54 yrs	16,764	4,417	3,712	11,232	170	36,295
		55-64 yrs	12,246	3,828	3,291	11,999	101	31,465
		65+ yrs	33,702	5,514	5,656	14,764	122	59,758
			162,604	49,159	37,941	109,844	1,456	361,004
	MALE	<1 yr	1,385	1,119	700	1,655	15	4,874
		1-4 yrs	4,371	3,084	2,477	5,285	49	15,266
		5-14 yrs	8,630	7,148	4,984	12,441	142	33,345
		15-24 yrs	21,018	10,209	5,089	16,484	276	53,076
		25-34 yrs	43,157	12,099	6,655	18,195	407	80,513
		35-44 yrs	38,539	7,981	6,512	16,104	348	69,484
		45-54 yrs	21,621	4,171	3,874	9,454	189	39,309
		55-64 yrs	13,720	3,101	2,867	9,630	102	29,420
		65+ yrs	21,607	3,082	3,946	11,572	83	40,290
			174,048	51,994	37,104	100,820	1,611	365,577
1991			336,652	101,153	75,045	210,664	3,067	726,581

Year	Sex	Age	White	Hispanic	Black	Asian/PI	Am Indian	Total
1992	FEMALE	<1 yr	1,258	1,064	5,560	1,601	13	9,496
		1-4 yrs	4,397	3,249	1,941	5,243	57	14,887
		5-14 yrs	8,442	6,627	4,433	12,011	159	31,672
		15-24 yrs	21,656	8,262	4,887	16,796	278	51,879
		25-34 yrs	35,346	9,444	5,245	19,430	350	69,815
		35-44 yrs	28,653	7,044	4,929	18,201	307	59,134
		45-54 yrs	17,876	4,454	3,387	11,655	198	37,570
		55-64 yrs	11,821	3,768	2,751	12,007	117	30,464
		65+ yrs	32,876	5,465	3,756	15,437	150	57,684
			162,325	49,377	36,889	112,381	1,629	362,601
	MALE	<1 yr	1,369	1,099	5,682	1,652	13	9,815
		1-4 yrs	4,539	3,411	1,903	5,667	59	15,579
		5-14 yrs	8,533	7,249	4,298	12,535	155	32,770
		15-24 yrs	22,733	10,315	4,841	16,796	309	54,994
		25-34 yrs	42,250	12,032	6,075	18,188	448	78,993
		35-44 yrs	37,886	8,110	5,613	16,618	385	68,612
		45-54 yrs	22,857	4,267	3,342	9,794	222	40,482
		55-64 yrs	13,416	3,014	2,290	9,705	111	28,536
		65+ yrs	21,429	3,112	2,030	11,927	106	38,604
			175,012	52,609	36,074	102,882	1,808	368,385
1992			337,337	101,986	72,963	215,263	3,437	730,986
1993	FEMALE	<1 yr	1,239	1,105	614	1,525	11	4,494
		1-4 yrs	4,457	3,562	6,257	5,591	59	19,926
		5-14 yrs	8,304	6,886	4,483	12,219	171	32,063
		15-24 yrs	23,412	8,734	4,782	17,439	308	54,675
		25-34 yrs	34,832	9,630	5,090	19,591	381	69,524
		35-44 yrs	28,252	7,397	5,021	18,735	335	59,740
		45-54 yrs	18,990	4,664	3,514	12,313	228	39,709
		55-64 yrs	11,622	3,861	2,755	12,174	130	30,542
		65+ yrs	32,324	5,655	4,006	16,293	177	58,455
			163,432	51,494	36,522	115,880	1,800	369,128
	MALE	<1 yr	1,274	1,068	581	1,589	9	4,521
		1-4 yrs	4,647	3,752	6,397	5,975	63	20,834
		5-14 yrs	8,487	7,530	4,321	12,786	164	33,288
		15-24 yrs	24,477	10,972	4,654	17,286	344	57,733
		25-34 yrs	42,088	12,480	5,878	18,348	499	79,293
		35-44 yrs	37,588	8,545	5,776	17,108	425	69,442
		45-54 yrs	24,052	4,531	3,483	10,450	258	42,774
		55-64 yrs	13,380	3,051	2,347	9,849	127	28,754
		65+ yrs	21,391	3,257	2,229	12,425	124	39,426
			177,384	55,186	35,666	105,816	2,013	376,065
1993			340,816	106,680	72,188	221,696	3,813	745,193

APPENDIX E: San Francisco Population Estimates by Sex, Age and Race/Ethnicity, 1986-2003

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Year	Sex	Age	White	Hispanic	Black	Asian/PI	Am Indian	Total
1994	FEMALE	<1 yr	1,131	914	550	1,455	11	4,061
		1-4 yrs	4,346	3,610	5,605	5,667	59	19,287
		5-14 yrs	8,171	6,656	4,402	12,266	182	31,677
		15-24 yrs	24,443	8,646	4,642	17,807	332	55,870
		25-34 yrs	34,328	9,177	4,981	19,643	404	68,533
		35-44 yrs	27,494	7,265	4,959	18,743	360	58,821
		45-54 yrs	19,673	4,572	3,618	13,119	259	41,241
		55-64 yrs	11,428	3,706	2,707	12,196	145	30,182
		65+ yrs	31,274	5,470	4,178	16,915	202	58,039
			162,288	50,016	35,642	117,811	1,954	367,711
	MALE	<1 yr	1,254	943	539	1,514	13	4,263
		1-4 yrs	4,506	3,730	5,665	5,996	62	19,959
		5-14 yrs	8,363	7,245	4,289	12,951	170	33,018
		15-24 yrs	25,226	10,889	4,422	17,429	361	58,327
		25-34 yrs	42,260	12,139	5,701	18,430	538	79,068
		35-44 yrs	36,738	8,437	5,761	17,100	465	68,501
		45-54 yrs	24,743	4,482	3,635	11,194	294	44,348
		55-64 yrs	13,265	2,915	2,399	9,886	145	28,610
		65+ yrs	21,004	3,181	2,358	12,793	139	39,475
			177,359	53,961	34,769	107,293	2,187	375,569
1994			339,647	103,977	70,411	225,104	4,141	743,280
1995	FEMALE	<1 yr	1,107	890	493	1,434	17	3,941
		1-4 yrs	4,025	3,494	4,797	5,622	57	17,995
		5-14 yrs	7,932	6,554	4,368	12,128	192	31,174
		15-24 yrs	24,224	8,671	4,368	17,872	342	55,477
		25-34 yrs	34,686	9,105	4,860	19,767	425	68,843
		35-44 yrs	26,614	7,231	4,943	18,505	384	57,677
		45-54 yrs	20,292	4,635	3,640	13,996	294	42,857
		55-64 yrs	11,260	3,633	2,737	12,107	160	29,897
		65+ yrs	30,064	5,424	4,329	17,581	229	57,627
			160,204	49,637	34,535	119,012	2,100	365,488
	MALE	<1 yr	1,218	942	549	1,501	13	4,223
		1-4 yrs	4,260	3,610	4,792	5,811	67	18,540
		5-14 yrs	8,111	7,070	4,274	12,958	177	32,590
		15-24 yrs	24,503	10,928	4,140	17,312	366	57,249
		25-34 yrs	43,221	12,310	5,486	18,547	577	80,141
		35-44 yrs	35,834	8,517	5,678	16,937	494	67,460
		45-54 yrs	25,458	4,582	3,827	11,998	342	46,207
		55-64 yrs	13,144	2,857	2,448	9,850	163	28,462
		65+ yrs	20,513	3,174	2,513	13,184	161	39,545
			176,262	53,990	33,707	108,098	2,360	374,417
1995			336,466	103,627	68,242	227,110	4,460	739,905

Year	Sex	Age	White	Hispanic	Black	Asian/PI	Am Indian	Total
1996	FEMALE	<1 yr	1,121	817	457	1,362	12	3,769
		1-4 yrs	3,710	3,327	3,998	5,449	66	16,550
		5-14 yrs	7,686	6,561	4,331	12,268	199	31,045
		15-24 yrs	23,777	8,779	4,278	17,984	353	55,171
		25-34 yrs	36,261	9,301	4,820	20,287	460	71,129
		35-44 yrs	25,934	7,244	4,949	18,647	410	57,184
		45-54 yrs	20,941	4,731	3,708	14,854	329	44,563
		55-64 yrs	11,272	3,564	2,766	12,127	175	29,904
		65+ yrs	29,111	5,441	4,528	18,420	263	57,763
			159,813	49,765	33,835	121,398	2,267	367,078
	MALE	<1 yr	1,172	905	438	1,457	9	3,981
		1-4 yrs	4,034	3,452	4,018	5,612	70	17,186
		5-14 yrs	7,910	6,984	4,270	13,155	189	32,508
		15-24 yrs	23,549	11,181	4,020	17,318	372	56,440
		25-34 yrs	45,458	12,624	5,313	18,959	614	82,968
		35-44 yrs	35,270	8,686	5,698	17,123	539	67,316
		45-54 yrs	26,188	4,730	4,007	12,791	388	48,104
		55-64 yrs	13,200	2,822	2,527	9,868	180	28,597
		65+ yrs	20,155	3,196	2,674	13,705	183	39,913
			176,936	54,580	32,965	109,988	2,544	377,013
1996			336,749	104,345	66,800	231,386	4,811	744,091
1997	FEMALE	<1 yr	1,106	865	398	1,236	16	3,621
		1-4 yrs	3,450	3,090	1,835	5,193	66	13,634
		5-14 yrs	7,312	6,508	5,652	12,488	208	32,168
		15-24 yrs	22,910	8,909	4,179	17,896	361	54,255
		25-34 yrs	38,590	9,529	4,778	21,008	501	74,406
		35-44 yrs	25,258	7,282	4,980	18,898	431	56,849
		45-54 yrs	21,434	4,822	3,836	15,712	365	46,169
		55-64 yrs	11,470	3,575	2,800	12,292	188	30,325
		65+ yrs	28,130	5,411	4,723	19,203	294	57,761
			159,660	49,991	33,181	123,926	2,430	369,188
	MALE	<1 yr	1,158	896	405	1,430	13	3,902
		1-4 yrs	3,738	3,288	1,767	5,385	70	14,248
		5-14 yrs	7,663	6,879	5,665	13,320	200	33,727
		15-24 yrs	22,171	11,331	3,902	17,191	368	54,963
		25-34 yrs	48,215	13,141	5,203	19,633	657	86,849
		35-44 yrs	35,114	8,829	5,661	17,489	585	67,678
		45-54 yrs	26,755	4,897	4,265	13,457	424	49,798
		55-64 yrs	13,413	2,798	2,586	9,994	209	29,000
		65+ yrs	19,653	3,175	2,827	14,200	207	40,062
			177,880	55,234	32,281	112,099	2,733	380,227
1997			337,540	105,225	65,462	236,025	5,163	749,415

APPENDIX E: San Francisco Population Estimates by Sex, Age and Race/Ethnicity, 1986-2003

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Year	Sex	Age	White	Hispanic	Black	Asian/PI	Am Indian	Total
1998	FEMALE	<1 yr	981	767	336	1,180	15	3,279
		1-4 yrs	3,177	2,934	1,651	4,852	72	12,686
		5-14 yrs	7,018	6,509	4,950	12,562	219	31,258
		15-24 yrs	21,551	8,903	4,196	17,767	368	52,785
		25-34 yrs	41,679	9,982	4,682	21,920	537	78,800
		35-44 yrs	24,717	7,319	5,008	19,438	457	56,939
		45-54 yrs	21,784	4,973	3,965	16,770	404	47,896
		55-64 yrs	12,004	3,624	2,863	12,427	209	31,127
		65+ yrs	27,296	5,413	4,975	20,218	327	58,229
			160,207	50,424	32,626	127,134	2,608	372,999
	MALE	<1 yr	1,108	835	398	1,242	15	3,598
		1-4 yrs	3,504	3,145	1,645	5,213	74	13,581
		5-14 yrs	7,279	6,790	4,907	13,335	216	32,527
		15-24 yrs	20,533	11,382	3,905	17,070	357	53,247
		25-34 yrs	51,569	13,929	5,051	20,387	700	91,636
		35-44 yrs	35,381	8,972	5,704	18,046	637	68,740
		45-54 yrs	27,140	5,132	4,428	14,382	473	51,555
		55-64 yrs	13,941	2,814	2,701	10,047	237	29,740
		65+ yrs	19,233	3,155	3,042	14,915	230	40,575
			179,688	56,154	31,781	114,637	2,939	385,199
1998			339,895	106,578	64,407	241,771	5,547	758,198
1999	FEMALE	<1 yr	1,085	745	360	1,141	22	3,353
		1-4 yrs	3,052	2,835	1,434	4,621	81	12,023
		5-14 yrs	6,762	6,488	4,523	12,570	224	30,567
		15-24 yrs	18,909	8,616	4,132	17,268	358	49,283
		25-34 yrs	44,147	10,366	4,569	22,767	572	82,421
		35-44 yrs	25,066	7,492	4,931	19,990	488	57,967
		45-54 yrs	22,015	5,144	4,040	17,790	441	49,430
		55-64 yrs	12,668	3,643	2,936	12,451	240	31,938
		65+ yrs	27,217	5,578	5,150	21,606	364	59,915
			160,921	50,907	32,075	130,204	2,790	376,897
	MALE	<1 yr	1,135	794	350	1,132	18	3,429
		1-4 yrs	3,377	3,020	1,572	4,950	75	12,994
		5-14 yrs	7,082	6,816	4,400	13,305	234	31,837
		15-24 yrs	17,676	11,020	3,862	16,775	339	49,672
		25-34 yrs	53,476	14,373	4,872	21,163	721	94,605
		35-44 yrs	36,544	9,417	5,626	18,531	695	70,813
		45-54 yrs	27,664	5,374	4,585	15,296	530	53,449
		55-64 yrs	14,700	2,878	2,757	10,044	276	30,655
		65+ yrs	19,430	3,261	3,208	15,988	254	42,141
			181,084	56,953	31,232	117,184	3,142	389,595
1999			342,005	107,860	63,307	247,388	5,932	766,492

Year	Sex	Age	White	Hispanic	Black	Asian/PI	Am Indian	Total
2000	FEMALE	<1 yr	1,248	782	335	1,130	65	3,560
		1-4 yrs	3,187	2,710	1,291	4,327	185	11,700
		5-14 yrs	6,220	6,397	4,007	12,550	366	29,540
		15-24 yrs	15,578	8,184	3,935	16,738	411	44,846
		25-34 yrs	48,309	11,055	4,395	24,144	625	88,528
		35-44 yrs	25,579	7,581	4,692	20,680	432	58,964
		45-54 yrs	22,041	5,456	4,188	19,243	335	51,263
		55-64 yrs	13,576	3,728	2,943	12,899	188	33,334
		65+ yrs	27,215	5,773	5,288	23,365	237	61,878
			162,953	51,666	31,074	135,076	2,844	383,613
	MALE	<1 yr	1,245	850	327	1,171	70	3,663
		1-4 yrs	3,441	2,889	1,411	4,539	183	12,463
		5-14 yrs	6,570	6,705	3,958	13,205	352	30,790
		15-24 yrs	14,110	10,452	3,640	16,379	393	44,974
		25-34 yrs	56,749	15,239	4,569	22,266	736	99,559
		35-44 yrs	38,564	9,950	5,556	19,198	604	73,872
		45-54 yrs	27,986	5,735	4,777	16,723	400	55,621
		55-64 yrs	15,708	2,939	2,831	10,389	210	32,077
		65+ yrs	20,072	3,428	3,424	17,451	171	44,546
			184,445	58,187	30,493	121,321	3,119	397,565
2000			347,398	109,853	61,567	256,397	5,963	781,178
2001	FEMALE	<1 yr	1,283	930	390	1,426	92	4,121
		1-4 yrs	3,621	2,939	1,266	4,288	214	12,328
		5-14 yrs	5,847	6,734	3,849	12,316	385	29,131
		15-24 yrs	12,887	7,480	3,813	16,021	400	40,601
		25-34 yrs	50,795	11,083	4,314	24,913	669	91,774
		35-44 yrs	26,174	7,937	4,496	20,826	464	59,897
		45-54 yrs	21,673	5,782	4,186	19,910	362	51,913
		55-64 yrs	14,221	3,832	2,908	13,081	207	34,249
		65+ yrs	26,604	6,013	5,173	24,212	267	62,269
			163,105	52,730	30,395	136,993	3,060	386,283
	MALE	<1 yr	1,333	971	406	1,477	96	4,283
		1-4 yrs	3,796	3,154	1,360	4,436	216	12,962
		5-14 yrs	6,221	7,076	3,775	12,939	373	30,384
		15-24 yrs	11,678	9,351	3,574	15,885	383	40,871
		25-34 yrs	58,066	14,865	4,408	22,882	767	100,988
		35-44 yrs	40,215	10,724	5,409	19,356	658	76,362
		45-54 yrs	27,787	6,179	4,825	17,421	438	56,650
		55-64 yrs	16,491	3,142	2,829	10,514	239	33,215
		65+ yrs	19,923	3,605	3,367	18,001	188	45,084
			185,510	59,067	29,953	122,911	3,358	400,799
2001			348,615	111,797	60,348	259,904	6,418	787,082

APPENDIX E: San Francisco Population Estimates by Sex, Age and Race/Ethnicity, 1986-2003

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Year	Sex	Age	White	Hispanic	Black	Asian/PI	Am Indian	Total
2002	FEMALE	<1 yr	1,374	900	366	1,237	87	3,964
		1-4 yrs	4,206	3,282	1,331	4,655	256	13,730
		5-14 yrs	5,865	7,197	3,727	12,168	397	29,354
		15-24 yrs	10,027	6,845	3,733	14,963	382	35,950
		25-34 yrs	50,521	10,785	4,294	24,924	673	91,197
		35-44 yrs	27,959	8,409	4,337	20,886	478	62,069
		45-54 yrs	21,310	6,134	4,201	20,159	368	52,172
		55-64 yrs	15,333	3,945	2,948	13,331	218	35,775
		65+ yrs	26,142	6,310	5,072	24,857	287	62,668
			162,737	53,807	30,009	137,180	3,146	386,879
	MALE	<1 yr	1,428	941	382	1,288	91	4,130
		1-4 yrs	4,372	3,526	1,400	4,751	266	14,315
		5-14 yrs	6,335	7,582	3,664	12,786	387	30,754
		15-24 yrs	9,283	8,137	3,571	15,152	359	36,502
		25-34 yrs	55,780	14,246	4,254	22,900	755	97,935
		35-44 yrs	42,460	11,357	5,266	19,382	668	79,133
		45-54 yrs	27,990	6,734	4,873	17,793	456	57,846
		55-64 yrs	17,756	3,439	2,895	10,783	260	35,133
		65+ yrs	19,936	3,819	3,344	18,359	207	45,665
			185,340	59,781	29,649	123,194	3,449	401,413
2002			348,077	113,588	59,658	260,374	6,595	788,292
2003	FEMALE	<1 yr	2,448	510	174	851	26	4,009
		1-4 yrs	4,958	3,464	1,411	4,905	296	15,034
		5-14 yrs	6,328	7,348	3,676	12,008	404	29,764
		15-24 yrs	7,799	6,629	3,808	13,956	371	32,563
		25-34 yrs	46,841	10,574	4,282	24,143	654	86,494
		35-44 yrs	30,979	8,719	4,319	21,053	499	65,569
		45-54 yrs	21,414	6,412	4,306	20,121	371	52,624
		55-64 yrs	16,417	4,057	3,061	13,660	240	37,435
		65+ yrs	25,615	6,426	5,054	25,340	300	62,735
			162,799	54,139	30,091	136,037	3,161	386,227
	MALE	<1 yr	2,545	532	180	889	27	4,173
		1-4 yrs	5,087	3,696	1,437	5,047	312	15,579
		5-14 yrs	6,883	7,759	3,709	12,559	397	31,307
		15-24 yrs	7,563	7,619	3,661	14,459	342	33,644
		25-34 yrs	49,535	13,967	4,114	22,288	720	90,624
		35-44 yrs	45,561	11,847	5,193	19,510	685	82,796
		45-54 yrs	28,880	7,139	5,019	17,882	469	59,389
		55-64 yrs	19,085	3,649	3,016	11,228	279	37,257
		65+ yrs	19,933	3,925	3,365	18,539	223	45,985
			185,072	60,133	29,694	122,401	3,454	400,754
2003			347,871	114,272	59,785	258,438	6,615	786,981

Source: California Department of Finance, Demographic Research Unit. Note: Am Indian=American Indian/Alaska Native; Asian/PI=Asian/Pacific Islander.