2018 Communicable Disease Report

NOVEMBER 2019

Prepared by
Disease Control and Health Statistics |
Communicable Disease Epidemiology

Washington State Department of Health

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This report represents Washington State communicable disease surveillance, the ongoing collection, analysis and dissemination of morbidity and mortality data to prevent and control communicable disease.

Department of Health staff from the following offices and programs contributed to this report:

- Office of Communicable Disease Epidemiology
- Office of Infectious Disease
- Washington State Public Health Laboratories

We'd also like to acknowledge and extend our thanks and appreciation to Washington's local health jurisdictions who contribute to surveillance, investigation, and prevention of communicable diseases in our state, and to the thousands in clinics, hospitals and clinical laboratories throughout Washington whose disease reports are the basis for this document.

Contents

Executive Summary

This report summarizes notifiable communicable diseases reported by local health jurisdictions to the Department of Health (DOH) in 2018. The most common reports continue to be sexually transmitted conditions, chronic hepatitis, diarrheal infections, pertussis, and tuberculosis.

Technical Notes

Washington Administrative Code (WAC) Chapters 246-100 and 246-101 outline disease reporting requirements: health care providers and facilities, laboratories, veterinarians, food service establishments, child care facilities and schools must report certain communicable diseases to the local health jurisdiction or DOH. Cases of communicable notifiable conditions (excluding HIV, chronic hepatitis, sexually transmitted diseases, or tuberculosis) are included in this annual report if they met the following criteria:

1. Resident of Washington.
2. Onset dates during the 2018 CDC Year (December 31, 2017 – December 29, 2018).
3. Report entered by March 1, 2019 for common condition (>10 cases per year).
4. Reported to DOH prior to May 15, 2019 for uncommon condition (≤10 cases per year).
5. First report of very rare conditions (zero to two cases per year) received by DOH after the previous year's deadline.
6. Given a valid DOH case classification by DOH (see: guidelines for each condition.)

Typically, a fraction of the actual number of cases are reported to a surveillance system. Persons may be unaware of being infected, are symptomatic but do not contact a health care provider, are not confirmed with appropriate tests, or are not reported after the diagnostic testing.

Summary tables with incidence and mortality rates reflect years when data are reliable. Population estimates for rate calculations are from the Washington State Office of Financial Management. Previously reported rates for 2000 through 2010 were updated using population estimates based on the 2010 decennial census. County rates are not provided for fewer than five reported cases.

This report is available online on DOH's website. Additional information on communicable disease surveillance and case investigation in Washington is available on DOH's website under List of Notifiable Conditions.

Reporting a Notifiable Condition

In accordance with Washington State rule WAC 246-101, public health and health care professionals should report most notifiable conditions to the local health jurisdiction in the county of the patient's residence. Disease reporting telephone numbers for each local health jurisdiction are provided on DOH's website. If no one is available at the local health jurisdiction and a condition is immediately notifiable or is notifiable to DOH, please call the 24-hour reporting line: 877-539-4344 or 206-418-5500. For a complete list of notifiable conditions for health care providers, hospitals, laboratories and veterinarians, please refer to the corresponding reporting posters available on the DOH website, How to Report – Posters.

Washington State Department of Health

Notifiable Conditions Reporting

LOCAL HEALTH JURISDICTIONS

Notifiable to the Washington State Department of Health

IMMEDIATELY NOTIFIABLE: (suspect or confirmed cases)
Notifiable to the Office of Communicable Disease Epidemiology: 1-877-539-4344

- Anthrax
- Botulism (foodborne, wound, infant)
- Cholera
- Diphtheria
- Disease of suspected bioterrorism origin
- Emerging condition with outbreak potential
- Influenza, novel strain
- Measles (rubeola)
- Paralytic shellfish poisoning
- Plague
- Poliomyelitis
- Rabies, human
- SARS
- Smallpox
- Tularemia
- Viral hemorrhagic fever
- Yellow fever
- Outbreak, or suspected outbreak, of illness due to infectious agent or toxin

Notifiable within 7 days of case investigation completion or summary information required within 21 days of initial notification for the following:

Notifiable to the Office of Communicable Disease Epidemiology: 1-877-539-4344

- Arboviral disease (Zika, West Nile virus disease, dengue, eastern and western equine encephalitis, etc.)
- **Brucellosis** ⚠
- ***Burkholderia mallei* or *pseudomallei*** ⚠
- Campylobacteriosis
- Cryptosporidiosis
- Cyclosporiasis
- Enterohemorrhagic *E. coli* (see Shiga toxin-producing *E. coli*)
- Giardiasis
- *Haemophilus influenzae* invasive disease
- Hantavirus pulmonary syndrome
- Hepatitis A, acute
- Hepatitis B, acute
- Hepatitis B, chronic
- Hepatitis D, acute
- Hepatitis D, chronic
- Hepatitis E, acute
- Influenza-associated death (lab-confirmed)
- Legionellosis
- Leptospirosis
- Listeriosis
- Lyme disease
- Malaria
- Meningococcal disease
- Monkeypox
- Mumps
- Pertussis
- Prion disease, including Creutzfeldt-Jakob disease (CJD)
- **Psittacosis** ⚠
- **Q Fever** ⚠
- Rabies, suspected human exposure
- Relapsing fever
- Rubella
- Salmonellosis
- Shiga toxin-producing *E. coli* infections (enterohemorrhagic *E. coli* including but not limited to *E. coli* O157:H7)
- Shigellosis
- Tetanus
- Trichinosis
- Typhoid fever
- Vaccinia transmission
- Vancomycin-resistant *Staphylococcus aureus* (does not include vancomycin-intermediate)
- Varicella-associated death
- Vibriosis
- Yersiniosis

Other rare diseases of public health significance, including but not limited to:

- Amoebic meningitis
- Anaplasmosis
- Babesiosis
- Carbepenemase-producing carbepenem-resistant Enterobacteriaceae (CP-CRE)
- Chagas disease
- Coccidioidomycosis
- *Cryptococcus gattii*
- Ehrlichiosis
- Histoplasmosis
- Shellfish poisoning (diarrhetic)
- Tickborne rickettsioses (including Rocky Mountain spotted fever)
- Tick paralysis
- Typhus

Unexplained critical illness or death

Notifiable to Infectious Disease Assessment: 360-236-3464

- Acquired immunodeficiency syndrome (AIDS) (including AIDS in persons previously reported with HIV infection)
- Chancroid
- *Chlamydia trachomatis*
- Gonorrhea
- Granuloma inguinale
- Hepatitis C, acute
- Hepatitis C, chronic
- Herpes simplex
- HIV infection
- Lymphogranuloma venereum
- Syphilis

Notifiable to TB Reporting Line 360-236-3397

- Tuberculosis

Notifiable to Immunization Program CHILD Profile Fax: 360-236-3590

- Hepatitis B, surface antigen-positive pregnant women
- Immunization reactions (severe, adverse)

⚠ If bioterrorism is suspected, case must be immediately reported.

The conditions listed above are notifiable to the Washington State Department of Health in accordance with WAC 246-101.

- The 2011 revision of WAC 246-101-010 states "'Other rare diseases of public health significance' means a disease or condition, of general or international public health concern, which is occasionally or not ordinarily seen in the state of Washington including, but not limited to, spotted fever rickettsiosis, babesiosis, tick paralysis, anaplasmosis, and other tick borne diseases. This also includes public health events of international concern and communicable diseases that would be of general public concern if detected in Washington."

Washington State Department of Health

Notifiable Conditions Reporting

HEALTH CARE PROVIDERS

Notifiable to the local health jurisdiction (LHJ) of the patient's residence

Phone numbers by LHJ are listed on the other side of this poster. If unable to reach the LHJ of the patient's residence, please call: **1-877-539-4344**

IMMEDIATELY NOTIFIABLE: Requires a phone call to reach a live person at the local health jurisdiction, 24/7

Must be reported as soon as clinically suspected

Animal bites, when human exposure to rabies is suspected
Anthrax
Botulism (foodborne, wound and infant)
***Burkholderia mallei* (glanders) and *pseudomallei* (melioidosis)**
Cholera
Diphtheria
Disease of suspected bioterrorism origin
Domoic acid poisoning (amnesic shellfish poisoning)
***E. coli* – refer to "Shiga toxin-producing *E. coli* infections"**
Emerging condition with outbreak potential
***Haemophilus influenzae* (invasive disease, children <5 years)**
Influenza, novel or unsubtypable strain
Measles (rubeola), acute
Meningococcal disease (invasive)
Monkeypox
Outbreaks of suspected foodborne origin
Outbreaks of suspected waterborne origin
Paralytic shellfish poisoning
Pesticide poisoning—hospitalized, fatal, or cluster: 1-800-222-1222
Plague
Poliomyelitis
Rabies, confirmed human or animal
Rabies, suspected human exposure
Rubella (include congenital rubella syndrome), acute
SARS (Severe Acute Respiratory Syndrome)
Shiga toxin-producing *E. coli* infections (STEC, including but not limited to *E. coli* O157:H7; also includes post-diarrheal hemolytic uremic syndrome)
Smallpox
Tuberculosis
Tularemia
Vaccinia transmission
Viral hemorrhagic fever
Yellow fever

Notifiable on a monthly basis

Asthma, occupational (suspected or confirmed): **1-888-66-SHARP**

Birth defects: **360-236-3533**
(autism spectrum disorders, cerebral palsy, alcohol-related birth defects)

Hepatitis B, chronic (initial diagnosis/previously unreported cases)

Hepatitis C, chronic

The conditions listed above are notifiable to public health authorities in accordance with WAC 246-101.

- Report to the local health jurisdiction of the patient's residence within the timeframe indicated (except for conditions followed by a reporting phone number).
- 'Other rare diseases of public health significance' means a disease or condition, of general or international public health concern, which is occasionally or not ordinarily seen in the state of Washington including, but not limited to, spotted fever rickettsiosis, babesiosis, tick paralysis, anaplasmosis, and other tick borne diseases. This also includes public health events of international concern and communicable diseases that would be of general public concern if detected in Washington.

Notifiable within 24 hours: Requires a phone call if reporting after normal public health business hours

Brucellosis
Hantavirus pulmonary syndrome
Hepatitis A, acute
Hepatitis B, acute
Hepatitis E, acute
Legionellosis
Leptospirosis
Listeriosis
Mumps, acute
Pertussis
Psittacosis
Q fever
Relapsing fever (borreliosis)
Salmonellosis
Shigellosis
Vancomycin-resistant *Staphylococcus aureus* (not to include Vancomycin-intermediate)
Vibriosis
Yersiniosis

Other rare diseases of public health significance, including but not limited to:

- Amoebic meningitis
- Anaplasmosis
- Babesiosis
- Carbepenemase-producing carbepenem-resistant Enterobacteriaceae (CP-CRE)
- Chagas disease
- Coccidioidomycosis
- *Cryptococcus gattii*
- Ehrlichiosis
- Histoplasmosis
- Shellfish poisoning (diarrhetic)
- Tickborne rickettsioses (including Rocky Mountain spotted fever)
- Tick paralysis
- Typhus

Unexplained critical illness and death

3 Notifiable within 3 business days

Acquired immunodeficiency syndrome (AIDS), including in persons previously reported with HIV infection
Arboviral disease (acute disease only, including: West Nile virus, dengue, eastern & western equine encephalitis, Zika, etc.)
Campylobacteriosis
Chancroid
Chlamydia trachomatis infection
Cryptosporidiosis
Cyclosporiasis
Giardiasis
Gonorrhea
Granuloma inguinale
Hepatitis B, surface antigen positive pregnant women
Hepatitis C, acute
Hepatitis D, acute and chronic
Herpes simplex, neonatal and genital (initial infection only)
HIV infection
Immunization reactions (severe, adverse)
Influenza-associated death, laboratory-confirmed
Lyme disease
Lymphogranuloma venereum
Malaria
Pesticide poisoning—non-hospitalized, non-fatal, non-cluster: **1-800-222-1222**
Prion disease, including Creutzfeldt-Jakob disease (CJD)
Syphilis (including congenital)
Tetanus
Trichinosis
Varicella-associated death

Washington State Department of Health

Notifiable Conditions Reporting

HEALTH CARE FACILITIES

Notifiable to the local health jurisdiction (LHJ) of the patient's residence

Phone numbers by LHJ are listed on the other side of this poster. If unable to reach the LHJ of the patient's residence, please call: **1-877-539-4344**

IMMEDIATELY NOTIFIABLE: Requires a phone call to reach a live person at the local health jurisdiction, 24/7

Must be reported as soon as clinically suspected

Animal bites, when human exposure to rabies is suspected
Anthrax
Botulism (foodborne, infant, and wound)
***Burkholderia mallei* (glanders) and *pseudomallei* (melioidosis)**
Cholera
Diphtheria
Disease of suspected bioterrorism origin
Domoic acid poisoning (amnesic shellfish poisoning)
***E. coli* – refer to "Shiga toxin-producing *E. coli* infections"**
Emerging condition with outbreak potential
***Haemophilus influenzae* (invasive disease, children < 5 years)**
Influenza, novel or unsubtypable strain
Measles (rubeola), acute
Meningococcal disease (invasive)
Monkeypox
Outbreaks of disease that occur or are treated in the health care facility
Outbreaks of suspected foodborne origin
Outbreaks of suspected waterborne origin
Paralytic shellfish poisoning
Pesticide poisoning (hospitalized, fatal, or cluster): 1-800-222-1222
Plague
Poliomyelitis
Rabies, confirmed human or animal
Rabies, suspected human exposure
Rubella (include congenital rubella syndrome), acute
SARS (Severe Acute Respiratory Syndrome)
Shiga toxin-producing *E. coli* infections (STEC, including but not limited to *E. coli* O157:H7; also includes post-diarrheal hemolytic uremic syndrome)
Smallpox
Tuberculosis
Tularemia
Vaccinia transmission
Viral hemorrhagic fever
Yellow fever

Notifiable on a monthly basis

Asthma, occupational (suspected or confirmed): **1-888-66SHARP**

Birth defects: **360-236-3533**
(abdominal wall defects, autism spectrum disorders, cerebral palsy, Down syndrome, alcohol-related birth defects, hypospadias, limb reductions, neural tube defects, oral clefts)

Cancer, see WAC 246-430

Gunshot wounds: **360-236-2867**

Hepatitis B, chronic (initial diagnosis/previously unreported cases)

Hepatitis C, chronic

The conditions listed above are notifiable to public health authorities in accordance with WAC 246-101. When a condition occurs in or is treated by the health care facility:

- Report to the local health jurisdiction of the patient's residence within the timeframe indicated (except for conditions followed by a reporting phone number).
- 'Other rare diseases of public health significance' means a disease or condition, of general or international public health concern, which is occasionally or not ordinarily seen in the state of Washington including, but not limited to, spotted fever rickettsiosis, babesiosis, tick paralysis, anaplasmosis, and other tick borne diseases. This also includes public health events of international concern and communicable diseases that would be of general public concern if detected in Washington.

Notifiable within 24 hours: Requires a phone call if reporting after normal public health business hours

Brucellosis
Hantavirus pulmonary syndrome
Hepatitis A, acute
Hepatitis B, acute
Hepatitis E, acute
Legionellosis
Leptospirosis
Listeriosis
Mumps, acute
Pertussis
Psittacosis
Q fever
Relapsing fever (borreliosis)
Salmonellosis
Shigellosis
Vancomycin-resistant *Staphylococcus aureus* (not to include Vancomycin-intermediate)
Vibriosis
Yersiniosis
Other rare diseases of public health significance, including but not limited to:
- Amoebic meningitis
- Anaplasmosis
- Babesiosis
- Carbepenemase-producing carbepenem-resistant Enterobacteriaceae (CP-CRE)
- Chagas disease
- Coccidioidomycosis
- *Cryptococcus gattii*
- Ehrlichiosis
- Histoplasmosis
- Shellfish poisoning (diarrhetic)
- Tickborne rickettsioses (including Rocky Mountain spotted fever)
- Tick paralysis
- Typhus

Unexplained critical illness or death

3 Notifiable within 3 business days

Acquired immunodeficiency syndrome (AIDS), including in persons previously reported with HIV infection
Arboviral disease (acute disease only, including: West Nile virus, dengue, eastern & western equine encephalitis, Zika, etc.)
Campylobacteriosis
Chancroid
Chlamydia trachomatis
Cryptosporidiosis
Cyclosporiasis
Giardiasis
Gonorrhea
Granuloma inguinale
Hepatitis B, surface antigen positive pregnant women
Hepatitis C, acute
Hepatitis D, acute and chronic
HIV infection
Immunization reactions (severe, adverse)
Influenza-associated death, laboratory-confirmed
Lyme disease
Lymphogranuloma venereum
Malaria
Pesticide poisoning—non-hospitalized, non-fatal, non-cluster: **1-800-222-1222**
Prion disease, including Creutzfeldt-Jakob disease (CJD)
Serious adverse reactions to immunizations
Syphilis, including congenital
Tetanus
Trichinosis
Varicella-associated death

Hospital laboratories, refer to the *Laboratories Notifiable Conditions Poster.*

Washington State Department of Health

Notifiable Conditions Reporting

LABORATORIES

Notifiable to the local health jurisdiction (LHJ) of the patient's residence

Phone numbers by LHJ are listed on the other side of this poster. If unable to reach the LHJ of the patient's residence, please call: **1-877-539-4344**
(If patient residence is unknown, notify the LHJ of the health care provider that ordered the diagnostic test)

BACTERIA

- *Bacillus anthracis* (anthrax)
- *Bordetella pertussis* (pertussis)
- 2 *Borrelia burgdorferi* (Lyme disease)
- *Borrelia hermsii* or *B. recurrentis* (Relapsing fever, tick- or louseborne)
- *Brucella* species (brucellosis)
- *Burkholderia mallei* and *B. pseudomallei*
- 2 *Campylobacter* species (campylobacteriosis)
- *Chlamydia (chlamydophila) psittaci* (psittacosis)
- 2 *Chlamydia trachomatis*
- *Clostridium botulinum* (botulism)
- *Corynebacterium diphtheriae* (diphtheria)
- *Coxiella burnetii* (Q fever)
- *E. coli (refer to* "Shiga toxin-producing *E. coli")*
- *Francisella tularensis* (tularemia)
- *Haemophilus influenzae* (children < 5 years)
- *Legionella* species (legionellosis)
- *Leptospira* species (leptospirosis)
- *Listeria monocytogenes* (listeriosis)
- 2 *Neisseria gonorrhoeae* (gonorrhea)
- *Neisseria meningitidis* (meningococcal disease)
- *Salmonella* species (salmonellosis, typhoid fever)
- Shiga toxin-producing *E. coli (*STEC, including but not limited to *E. coli O*157:H7)
- *Shigella* species (shigellosis)
- 2 *Treponema pallidum* (syphilis)
- Vancomycin-resistant *Staphylococcus aureus*
- *Vibrio cholerae* O1 or O139 (cholera)
- *Vibrio* species (vibriosis)
- *Yersinia enterocolitica* or *Y. pseudotuberculosis*
- *Yersinia pestis* (plague)

FUNGI

- 2 *Cryptococcus,* non-*neoformans*

PARASITES

- 2 *Cryptosporidium* (cryptosporidiosis)
- 2 *Cyclospora cayetanensis* (cyclosporiasis)
- 2 *Giardia lamblia* (giardiasis)
- 2 *Plasmodium* species (malaria)
- 2 *Trichinella* species (trichinellosis)

Icons for reporting timeframes and recipients are explained in the legend.

*The 2011 revision of WAC 246-101-010 states "'Other rare diseases of public health significance' means a disease or condition, of general or international public health concern, which is occasionally or not ordinarily seen in the state of Washington including, but not limited to, spotted fever rickettsiosis, babesiosis, tick paralysis, anaplasmosis, and other tick borne diseases. This also includes public health events of international concern and communicable diseases that would be of public concern if detected in Washington."

VIRUSES

- 2 Arboviruses, acute, by viral isolation or IgM or PCR positivity (West Nile virus, eastern and western equine encephalitis, dengue, St. Louis encephalitis, La Crosse encephalitis, Japanese encephalitis, Powassan, chikungunya, Zika*)
  *both positive and negative results are requested for Zika
- Coronavirus (SARS-associated)
- Hantavirus
- Hepatitis A virus, acute, by IgM positivity (include hepatocellular enzyme levels in report)
- Hepatitis B virus, acute, by IgM positivity
- Hepatitis B virus: HBsAg, HBeAg, and HBV DNA
- Hepatitis C virus
- 2 Hepatitis D virus
- Hepatitis E virus
- Influenza virus, novel or unsubtypable strain
- Measles virus (rubeola), acute, by IgM or PCR positivity
- Mumps virus, acute, by IgM or PCR positivity
- Poliovirus, acute, by IgM or PCR positivity
- Rabies virus (human or animal)
- Variola virus (smallpox)
- Viral hemorrhagic fever
  Arenaviruses, bunyaviruses, filoviruses, flaviviruses
- Yellow fever virus

*Reportable as rare diseases of public health significance**

- *Coccidioides*
- Carbapenem-resistant Enterobacteriaceae (CRE), resistant to ≥1 carbapenem, using M100-S25 CLSI breakpoints
- Carbapenemase-producing CRE

Notifiable to the Department of Health (DOH)

- 2 LEAD Blood lead level (elevated)
- LEAD Blood lead level (non-elevated)
- ID CD4 + (T4) lymphocyte counts and/or CD4 + (T4) (patients aged 13 and older)
- 2 ID Human immunodeficiency virus (HIV) infection (for example, positive Western Blot, p24 antigen, or viral culture tests)
- ID Human immunodeficiency virus (HIV) infection (all viral load detection test results—detectable and undetectable)
- 2 TB *Mycobacterium tuberculosis* (tuberculosis)

LEGEND

- Immediately notifiable—requires a phone call to reach a live person at the LHJ, 24/7
- Notifiable within 24 hours: Requires phone call if reporting after normal business hours
- 2 Notifiable within 2 business days
- Notifiable on a monthly basis
- Specimen/culture submission to the Public Health Laboratories required (upon request for all others)
- LEAD Notifiable to the DOH Lead Program
  Contact phone: 360-236-4280
- ID Notifiable to the DOH Office of Infectious Disease
  Contact phone: 360-236-3464
- TB Notifiable to the DOH Tuberculosis Program
  Contact phone: 360-236-3397
  Fax: 360-236-3405
- Antibiotic sensitivity testing (first isolates only)

The laboratory results listed above (preliminary or confirmed) are notifiable to public health authorities in Washington in accordance with WAC 246-101.

Information provided with public health notifications and specimen submissions must include: specimen type; name and telephone number of laboratory; date specimen collected and received; requesting health care provider's name and phone number; test result; and name of patient. Also required when available in the lab database are: patient sex, date of birth or age, full patient address (zip code at a minimum), and health care provider address.

Per WAC 246-101-201(3), LHJs may request laboratory reporting of additional test results pertinent to an investigation of a notifiable condition.

Notifiable Conditions & the Veterinarian

Washington State Department of Health

Veterinarians, including those working in private practices, laboratories, academic settings, zoos, wildlife centers, animal shelters and government agencies, have an important public health role in the identification and control of zoonotic and vector-borne diseases.

The Washington State Administrative Code (WAC 246-101-405) outlines these responsibilities for veterinarians:

A. Notify the local health officer of the jurisdiction in which the human resides of any suspected human case or suspected human outbreak based on the human's exposure to a confirmed animal case of any disease listed in Table

B. Cooperate with public health authorities in the investigation of cases, suspected cases, outbreaks, and suspected outbreaks of zoonotic disease.

C. Cooperate with public health authorities in the implementation of infection control measures including isolation and quarantine.

D. Comply with requirements in chapter 16-70 WAC for submitting positive specimens and isolates for specific diseases, and provide information requested by the Washington State Department of Health or local health jurisdiction.

Notifiable Condition (report suspected human cases)	Report Immediately	Report within 24 hours
Anthrax	X	
Arboviral disease		X
Brucellosis (*Brucella* species)		X
Burkholderia mallei (Glanders)	X	
Disease of suspected bioterrorism origin (including but not limited to anthrax)	X	
E. coli – Refer to "Shiga toxin-producing *E. coli*"	X	
Emerging condition with outbreak potential	X	
Influenza virus, novel or unsubtypable strain	X	
Leptospirosis		X
Plague	X	
Psittacosis		X
Q Fever		X
Rabies (suspected human case or exposure or animal case)	X	
Shiga toxin-producing *E. coli* infections (enterohemorrhagic *E. coli* including, but not limited to, *E. coli* O157:H7)	X	
Tularemia	X	

IMPORTANT NOTE: Selected animal diseases, especially in livestock and poultry, must be reported to the Washington State Department of Agriculture, State Veterinarian's Office. These include eradicated diseases (e.g., tuberculosis, brucellosis), suspected foreign animal diseases (e.g., foot and mouth disease, exotic Newcastle disease, hog cholera) and certain domestic diseases (e.g., anthrax, rabies). See: http://app.leg.wa.gov/WAC/default.aspx?cite=16-70.

*A list of local health departments can be found at http://www.doh.wa.gov/AboutUs/PublicHealthSystem/LocalHealthJurisdictions.aspx.

Disease Incidence and Mortality Rates

Arboviral Disease Types

Year	Total Cases	Chikungunya	Colorado Tick Fever	Dengue	Japanese Encephalitis	St. Louis Encephalitis	West Nile Virus	Yellow Fever	Zika Virus	Other/Unknown flavivirus
2002	1	0	0	0	0	0	0	1[V]	0	0
2003	8	0	0	0	0	0	8[T]	0	0	0
2004	3	0	0	1[T]	1[T]	0	1[T]	0	0	0
2005	6	0	0	3[T]	0	0	3[T]	0	0	0
2006	13	1[T]	0	4[T]	0	0	8 (5[T], 3[E])	0	0	0
2007	16	0	0	10[T]	0	0	5[T]	0	0	1[T]
2008	19	0	1[T]	14[T]	1[T]	0	3[E]	0	0	0
2009	52	0	0	11[T]	0	1[T]	38 (36[E], 2[U])	0	0	2 (1[T], 1[E])
2010	24	3[T]	0	19[T]	0	0	2 (1[E], 1[T])	0	0	0
2011	9	0	0	9[T]	0	0	0	0	0	0
2012	20	0	0	16[T]	0	0	4 (2[E], 2[T])	0	0	0
2013	15	0	0	14[T]	0	0	1[T]	0	0	0
2014*	36	15[T]	0	9[T]	0	0	12 (10[E], 2[T])	0	0	0
2015	84	40[T]	0	19[T]	0	0	24 (22[E], 2[T])	0	0	1[T]
2016	113	10[T]	0	23[T]	0	0	9[E]	0	68[T]	3[T]
2017	55	3[T]	0	19[T]	0	0	13 (8[E], 5[T])	0	16[T]	4[T]
2018	14	2[T]	0	9[T]	0	0	3(1[E], 2[T])	0	0	0

[V] Vaccine-associated

[T] Travel-associated

[E] Endemically acquired

[U] Unknown exposure location

*2014 data updated since the 2014 annual report

Botulism

Year	Food	Infant	Wound	Combined Rate*	Deaths
1985	5	4	0	0.2	0
1986	2	4	0	0.1	0
1987	1	1	1	0.1	0
1988	3	4	0	0.2	0
1989	10	0	0	0.2	0
1990	1	0	0	0	0
1991	0	3	0	0.1	0
1992	0	2	0	0	0
1993	4	5	0	0.2	0
1994	3	2	0	0.1	0
1995	4	2	0	0.1	0
1996	2	0	2	0.1	0
1997	0	1	2	0.1	0
1998	2	4	0	0.1	0
1999	2	4	1	0.1	0
2000	1	4	0	0.1	0
2001	1	6	0	0.1	0
2002	1	1	4	0.1	0
2003	1	3	7	0.2	0
2004	1	3	5	0.1	0
2005	0	2	4	0.1	0
2006	0	9	1	0.2	0
2007	1	1	2	0.1	1
2008	0	1	2	0	0
2009	4	2	4	0.1	1
2010	0	3	1	0.1	0
2011	0	3	4	0.1	0
2012	1	4	2	0.1	1
2013	2	4	4	0.1	0
2014	0	3	0	0	0
2015	0	6	2	0.1	0
2016	2	1	1	0.1	2
2017	0	6	4	0.1	0
2018	1	7	0	0.1	0

*All rates are cases per 100,000 population.

Brucellosis

Year	Cases	Rate*	Deaths
1986	1	0	0
1987	1	0	0
1988	1	0	0
1989	1	0	0
1990	0	0	0
1991	3	0.1	0
1992	1	0	0
1993	0	0	0
1994	0	0	0
1995	0	0	0
1996	2	0	0
1997	3	0.1	0
1998	3	0.1	0
1999	0	0	0
2000	0	0	0
2001	0	0	0
2002	2	0	0
2003	1	0	0
2004	2	0	0
2005	0	0	0
2006	0	0	0
2007	1	0	0
2008	1	0	0
2009	1	0	0
2010	0	0	0
2011	1	0	0
2012	0	0	0
2013	1	0	0
2014	4	0.1	0
2015	4	0.1	0
2016	0	0	0
2017	1	0	0
2018	1	0	0

*All rates are cases per 100,000 population.

Campylobacteriosis

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	4	+	10	51.5	6	30.8	1	+	3	+
Asotin	2	+	2	+	2	+	4	+	4	+
Benton	33	18.0	28	14.8	51	26.8	32	16.5	44	22.3
Chelan	15	20.2	8	10.7	15	19.8	12	15.6	13	16.7
Clallam	2	+	3	+	4	+	3	+	14	18.6
Clark	87	19.6	73	16.2	82	17.8	107	22.7	93	19.4
Columbia	2	+	4	+	2	+	2	+	1	+
Cowlitz	18	17.4	24	23.0	19	18.1	22	20.8	23	21.4
Douglas	8	20.2	7	17.5	3	+	5	12.1	7	16.6
Ferry	2	+	2	+	3	+	2	+	2	+
Franklin	11	12.7	11	12.6	11	12.4	3	+	17	18.4
Garfield	2	+	1	+	1	+	0	0	0	0
Grant	19	20.5	24	25.6	31	32.8	24	25.1	32	32.9
Grays Harbor	14	19.1	10	13.7	13	17.9	19	26.0	14	19.0
Island	16	20.0	17	21.1	29	35.0	31	37.4	32	38.2
Jefferson	18	58.6	16	51.8	12	38.6	11	35.1	12	38.0
King	487	24.1	604	29.4	589	28.0	699	32.5	673	30.7
Kitsap	40	15.6	48	18.6	58	22.1	89	33.7	82	30.7
Kittitas	10	23.8	9	21.1	10	22.9	8	17.9	6	13.2
Klickitat	6	28.8	4	+	5	23.5	6	27.7	4	+
Lewis	29	38.0	16	20.9	25	32.5	24	31.0	19	24.2
Lincoln	1	+	0	0	2	+	2	+	0	0
Mason	9	14.5	7	11.3	18	28.9	33	52.2	37	57.8
Okanogan	5	12.0	5	11.9	5	12.0	9	21.4	9	21.2
Pacific	8	37.9	3	+	2	+	1	+	1	+
Pend Oreille	2	+	2	+	0	0	4	+	0	0
Pierce	217	26.4	250	30.1	230	27.2	272	31.6	248	28.4
San Juan	1	+	5	30.9	6	36.8	10	60.6	1	+
Skagit	29	24.3	33	27.4	37	30.3	47	37.9	53	41.9
Skamania	0	0	0	0	0	0	0	0	1	+
Snohomish	190	25.6	231	30.5	237	30.7	279	35.3	242	30.1
Spokane	57	11.8	84	17.2	86	17.5	105	21.0	92	18.1
Stevens	3	+	17	38.6	18	40.8	12	27.0	17	37.8
Thurston	58	22.0	57	21.3	69	25.3	86	31.1	66	23.4
Wahkiakum	0	0	0	0	0	0	0	0	0	0
Walla Walla	14	23.3	14	23.1	25	41.2	32	52.1	43	69.6
Whatcom	59	28.4	60	28.6	56	26.3	93	43.5	61	27.7
Whitman	5	10.8	9	19.0	7	14.6	3	+	10	20.3
Yakima	108	43.4	149	59.6	142	56.6	122	48.2	101	39.7
State Totals	1,591	22.8	1,847	26.2	1,911	26.6	2,214	30.3	2,077	28.0

Statewide by Year

Year	Cases	Rate*	Deaths
1980	8	0.2	0
1981	106	2.5	0
1982	299	7.0	0
1983	149	3.5	0
1984	146	3.4	1
1985	250	5.7	0
1986	347	7.8	0
1987	420	9.3	1
1988	709	15.4	1
1989	899	19.0	0
1990	899	18.5	0
1991	930	18.5	4
1992	1,060	20.6	1
1993	1,051	20.0	0
1994	1,050	19.6	0
1995	1,050	19.2	4
1996	1,139	20.5	1
1997	1,150	20.3	0
1998	901	15.7	1
1999	950	16.3	2
2000	1,006	17.1	2
2001	991	16.6	0
2002	1,032	17.0	1
2003	943	15.4	0
2004	861	13.9	0
2005	1,045	16.6	0
2006	993	15.5	0
2007	1,020	15.6	0
2008	1,069	16.2	0
2009	1,030	15.4	1
2010	1,315	19.6	2
2011	1,538	22.7	0
2012	1,551	22.7	3
2013	1,631	23.7	6
2014	1,591	22.8	0
2015	1,847	26.2	2
2016	1,911	26.6	1
2017	2,214	30.3	1
2018	2,077	28.0	4

*All incidence rates are cases per 100,000 population.

+County incidence rates not calculated for <5 cases.

Chlamydia Trachomatis

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	76	392	60	306	85	436	93	468.0	90	449.6
Asotin	81	369	92	419	86	388	77	345.5	60	267.6
Benton	648	348	677	358	739	388	906	468.2	906	458.9
Chelan	287	386	245	329	260	343	270	351.4	285	366.3
Clallam	162	224	187	257	200	272	199	268.1	190	252.9
Clark	1,534	346	1,686	380	1,912	415	1,85	393.8	1,971	411.1
Columbia	8	+	6	+	4	+	9	+	4	+
Cowlitz	426	411	475	457	481	459	478	451.4	501	466.9
Douglas	146	368	144	361	151	371	154	371.8	181	429.7
Ferry	26	339	26	338	24	312	22	284.2	12	+
Franklin	416	480	370	415	456	514	517	572.4	537	580.3
Garfield	5	+	5	+	3	+	1	+	1	+
Grant	392	422	382	407	404	427	345	360.8	382	392.4
Grays Harbor	205	280	192	261	198	272	221	302.9	289	392.6
Island	232	290	307	383	204	246	246	297.1	194	231.3
Jefferson	77	251	56	182	56	180	52	165.8	46	145.6
King	7,332	364	8,421	415	9,400	447	9,760	453.2	10,476	478.3
Kitsap	920	360	938	365	984	375	1,104	417.7	1,184	443.2
Kittitas	168	399	179	422	210	480	240	536.6	231	506.6
Klickitat	55	264	57	272	58	273	64	295.5	53	241.1
Lewis	252	330	265	346	252	328	284	366.7	279	356.0
Lincoln	5	+	19	177	15	+	15	+	12	+
Mason	198	319	230	368	234	376	221	349.7	238	371.8
Okanogan	77	185	76	182	114	273	103	244.6	122	287.1
Pacific	34	161	57	270	45	213	45	211.8	32	149.4
Pend Oreille	23	174	24	181	20	151	40	299.2	30	221.6
Pierce	4,372	532	4,646	563	4,976	589	5,434	632.3	5,947	681.8
San Juan	20	124	20	124	17	104	12	+	19	113.0
Skagit	335	280	399	333	415	339	481	387.6	470	371.5
Skamania	25	220	14	+	22	191	21	179.6	21	176.6
Snohomish	2,006	271	2,203	296	2,488	322	2,619	331.8	2,699	335.2
Spokane	2,142	442	2,194	451	2,452	498	2,337	467.6	2,644	520.5
Stevens	103	235	123	298	128	290	95	213.4	107	237.6
Thurston	890	337	988	371	1,164	427	1,139	411.3	1,200	426.0
Wahkiakum	2	+	4	+	5	+	3	+	3	+
Walla Walla	190	316	237	394	238	392	193	314.3	218	352.8
Whatcom	570	275	765	366	692	326	708	327.3	838	380.3
Whitman	302	650	355	754	412	859	446	916.9	495	1005.9
Yakima	1,504	605	1,597	638	1,589	633	1,643	649.4	1,787	702.2
State Totals	26,246	377	28,721	410	31,193	434	32,454	444.0	34,754	467.9

Statewide by Year

Year	Cases	Rate*	Deaths
1989	10,865	229.8	0
1990	12,709	261.1	0
1991	12,917	257.2	0
1992	11,762	228.8	0
1993	10,331	196.2	0
1994	10,575	197.1	0
1995	9,463	173.0	0
1996	9,237	165.9	0
1997	9,523	168.1	0
1998	10,998	191.3	0
1999	11,964	205.2	0
2000	13,066	221.7	0
2001	13,631	228.3	0
2002	14,936	246.5	0
2003	16,796	274.1	0
2004	17,635	284.0	0
2005	18,617	295.6	0
2006	17,819	277.5	0
2007	19,123	293.1	0
2008	21,327	322.7	0
2009	21,178	317.4	0
2010	21,401	318.3	0
2011	23,237	343.3	0
2012	24,600	360.8	0
2013	25,013	363.4	0
2014	26,246	376.7	0
2015	28,721	410.0	0
2016	31,193	434.2	0
2017	32,454	444.0	0
2018	34,754	467.9	0

*All incidence rates are cases per 100,000 population.

+County incidence rates based on counts ≤16 are suppressed due to statistical instability.

Data source: PHIMS-STD 4/1/2019

Cholera

Year	Cases	Rate*	Deaths
1985	0	0	0
1986	0	0	0
1987	0	0	0
1988	0	0	0
1989	0	0	0
1990	0	0	0
1991	0	0	0
1992	2	0	0
1993	0	0	0
1994	0	0	0
1995	0	0	0
1996	0	0	0
1997	0	0	0
1998	0	0	0
1999	0	0	0
2000	0	0	0
2001	0	0	0
2002	1	0	0
2003	0	0	0
2004	0	0	0
2005	0	0	0
2006	0	0	0
2007	0	0	0
2008	0	0	0
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	1	0	0
2014	0	0	0
2015	0	0	0
2016	0	0	0
2017	0	0	0
2018	0	0	0

*All rates are cases per 100,000 population.

Cryptosporidiosis

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	0	0	0	0	0	0	1	+	0	0
Asotin	0	0	0	0	0	0	2	+	1	+
Benton	2	+	1	+	2	+	1	+	1	+
Chelan	0	0	0	0	0	0	0	0	0	0
Clallam	3	+	2	+	3	+	0	0	4	+
Clark	5	1.1	9	2.0	10	2.2	17	3.6	15	3.1
Columbia	0	0	0	0	0	0	0	0	0	0
Cowlitz	3	+	3	+	3	+	2	+	3	+
Douglas	0	0	0	0	0	0	0	0	0	0
Ferry	0	0	0	0	0	0	0	0	1	+
Franklin	1	+	1	+	4	+	0	0	0	0
Garfield	0	0	0	0	0	0	0	0	0	0
Grant	0	0	1	+	0	0	0	0	3	+
Grays Harbor	0	0	0	0	0	0	3	+	1	+
Island	0	0	0	0	4	+	1	+	0	0
Jefferson	1	+	3	+	2	+	3	+	2	+
King	19	0.9	25	1.2	43	2.0	65	3.0	92	4.2
Kitsap	1	+	3	+	3	+	1	+	2	+
Kittitas	0	0	0	0	1	+	1	+	0	0
Klickitat	0	0	1	+	0	0	2	+	2	+
Lewis	0	0	9	11.7	2	+	2	+	2	+
Lincoln	0	0	0	0	0	0	0	0	0	0
Mason	1	+	0	0	0	0	2	+	2	+
Okanogan	0	0	1	+	0	0	0	0	0	0
Pacific	0	0	0	0	0	0	0	0	0	0
Pend Oreille	0	0	0	0	0	0	0	0	0	0
Pierce	18	2.2	24	2.9	14	1.7	19	2.2	23	2.6
San Juan	1	+	0	0	3	+	0	0	2	+
Skagit	0	0	0	0	2	+	3	+	5	4.0
Skamania	0	0	0	0	0	0	0	0	0	0
Snohomish	3	+	5	0.7	6	0.8	8	1.0	12	1.5
Spokane	2	+	5	1.0	0	0	0	0	2	+
Stevens	0	0	0	0	0	0	0	0	0	0
Thurston	7	2.7	3	+	10	3.7	4	+	6	2.1
Wahkiakum	0	0	0	0	0	0	0	0	0	0
Walla Walla	1	+	0	0	1	+	2	+	4	+
Whatcom	0	0	10	4.8	15	7.1	5	2.3	4	+
Whitman	0	0	0	0	0	0	0	0	0	0
Yakima	7	2.8	7	2.8	3	+	6	2.4	9	3.5
State Totals	75	1.1	113	1.6	131	1.8	150	2.1	198	2.7

Statewide by Year

Year	Cases	*Rate	Deaths
2001	73	1.2	0
2002	62	1.0	0
2003	65	1.1	0
2004	63	1.0	0
2005	94	1.5	0
2006	95	1.5	0
2007	139	2.1	0
2008	99	1.5	0
2009	102	1.5	0
2010	102	1.5	0
2011	88	1.3	0
2012	101	1.5	0
2013	84	1.2	0
2014	75	1.1	0
2015	113	1.6	0
2016	131	1.8	0
2017	150	2.1	0
2018	198	2.7	0

*All incidence rates are cases per 100,000 population.

+County incidence rates not calculated for <5 cases.

Cyclosporiasis‡

Year	Cases	Rate*	Deaths
2002	5	0.1	0
2003	0	0	0
2004	11	0.2	0
2005	5	0.1	0
2006	1	0	0
2007	1	0	0
2008	1	0	0
2009	0	0	0
2010	2	0	0
2011	4	0.1	0
2012	0	0	0
2013	0	0	0
2014	2	0	0
2015	5	0.1	0
2016	3	0	0
2017	9	0.1	0
2018	23	0.3	0

‡Cyclosporiasis first became a notifiable condition in Washington in 12/ 2000.
*All rates are cases per 100,000 population.

Diphtheria

Year	Cases	Rate*	Deaths
1985	0	0	0
1986	0	0	0
1987	0	0	0
1988	0	0	0
1989	0	0	0
1990	0	0	0
1991	0	0	0
1992	0	0	0
1993	0	0	0
1994	0	0	0
1995	0	0	0
1996	0	0	0
1997	0	0	0
1998	0	0	0
1999	0	0	0
2000	0	0	0
2001	0	0	0
2002	0	0	0
2003	0	0	0
2004	0	0	0
2005	0	0	0
2006	0	0	0
2007	0	0	0
2008	0	0	0
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0
2014	0	0	0
2015	0	0	0
2016	0	0	0
2017	0	0	0
2018	0	0	0

*All rates are cases per 100,000 population.

Giardiasis

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	0	0	3	+	1	+	1	+	0	0
Asotin	4	+	1	+	1	+	1	+	4	+
Benton	6	3.3	2	+	8	4.2	11	5.7	4	+
Chelan	4	+	9	12.0	9	11.9	6	7.8	7	9.0
Clallam	5	6.9	7	9.6	6	8.2	5	6.7	7	9.3
Clark	32	7.2	28	6.2	39	8.5	25	5.3	22	4.6
Columbia	1	+	1	+	0	0	2	+	0	0
Cowlitz	3	+	3	+	2	+	3	+	6	5.6
Douglas	0	0	2	+	7	17.2	0	0	1	+
Ferry	0	0	1	+	0	0	2	+	0	0
Franklin	6	6.9	4	+	4	+	2	+	1	+
Garfield	0	0	0	0	0	0	0	0	2	90.5
Grant	4	+	4	+	4	+	9	9.4	3	+
Grays Harbor	3	+	5	6.8	6	8.2	4	+	3	+
Island	4	+	1	+	5	6.0	5	6.0	2	+
Jefferson	7	22.8	3	+	7	22.5	7	22.3	6	19.0
King	188	9.3	219	10.7	253	12.0	277	12.9	156	7.1
Kitsap	16	6.3	26	10.1	25	9.5	22	8.3	18	6.7
Kittitas	5	11.9	5	11.7	7	16.0	9	20.1	1	+
Klickitat	3	+	5	23.8	1	+	1	+	3	+
Lewis	5	6.6	3	+	5	6.5	3	+	1	+
Lincoln	0	0	0	0	2	+	1	+	1	+
Mason	4	+	4	+	8	12.8	5	7.9	6	9.4
Okanogan	5	12.0	6	14.3	4	+	7	16.6	4	+
Pacific	3	+	0	0	3	+	0	0	0	0
Pend Oreille	1	+	1	+	3	+	3	+	0	0
Pierce	41	5.0	42	5.1	41	4.9	46	5.4	31	3.6
San Juan	0	0	3	+	0	0	1	+	1	+
Skagit	7	5.9	9	7.5	10	8.2	10	8.1	8	6.3
Skamania	0	0	0	0	0	0	0	0	0	0
Snohomish	43	5.8	71	9.4	66	8.5	64	8.1	55	6.8
Spokane	47	9.7	60	12.3	72	14.6	66	13.2	32	6.3
Stevens	6	13.7	1	+	4	+	8	18.0	3	+
Thurston	19	7.2	17	6.4	34	12.5	25	9.0	21	7.5
Wahkiakum	0	0	1	+	0	0	0	0	1	+
Walla Walla	5	8.3	2	+	4	+	4	+	4	+
Whatcom	18	8.7	25	11.9	8	3.8	17	7.9	18	8.2
Whitman	2	+	4	+	2	+	2	+	2	+
Yakima	18	7.2	26	10.4	21	8.4	14	5.5	4	+
State Totals	515	7.4	604	8.6	672	9.4	668	9.1	438	5.9

Statewide by Year

Year	Cases	Rate*	Deaths
1980	840	20.3	0
1981	547	12.9	0
1982	956	22.4	0
1983	706	16.4	0
1984	710	16.3	0
1985	779	17.6	0
1986	811	18.2	0
1987	827	18.3	0
1988	851	18.4	0
1989	980	20.7	0
1990	792	16.3	0
1991	876	17.4	1
1992	860	16.7	1
1993	747	14.2	0
1994	722	13.5	0
1995	855	15.6	0
1996	668	12.0	0
1997	738	13.0	0
1998	740	12.9	1
1999	560	9.6	1
2000	622	10.6	1
2001	512	8.6	0
2002	510	8.4	0
2003	435	7.1	0
2004	444	7.2	0
2005	437	6.9	0
2006	451	7.0	0
2007	590	9.0	0
2008	486	7.4	0
2009	467	7.0	0
2010	521	7.7	0
2011	529	7.8	0
2012	512	7.5	0
2013	548	8.0	0
2014	515	7.4	0
2015	604	8.6	0
2016	672	9.4	0
2017	668	9.1	0
2018	438	5.9	0

*All incidence rates are cases per 100,000 population.

+County incidence rates not calculated for <5 cases.

Gonorrhea

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	9	+	32	163	14	+	19	95.6	23	114.9
Asotin	3	+	16	+	24	108	31	139.1	6	+
Benton	152	81.5	135	71.3	258	135	216	111.6	240	121.6
Chelan	13	+	27	36.2	37	48.7	28	36.4	45	57.8
Clallam	13	+	10	+	18	24.5	6	+	21	28.0
Clark	208	47	247	55.6	396	85.9	511	108.5	658	137.2
Columbia	1	+	2	+	0	0	4	+	2	+
Cowlitz	33	31.8	100	96.2	121	115	109	102.9	134	124.9
Douglas	8	+	11	+	18	44.2	9	+	34	80.7
Ferry	1	+	2	+	5	+	2	+	2	+
Franklin	98	113	67	75.1	118	133	129	142.8	124	134.0
Garfield	1	+	0	0	0	0	0	0	1	+
Grant	80	86.1	116	124	111	117	116	121.3	110	113.0
Grays Harbor	34	46.4	31	42.2	46	63.2	46	63	48	65.2
Island	25	31.3	27	33.7	35	42.2	38	45.9	37	44.1
Jefferson	21	68.4	9	+	11	+	11	+	8	+
King	2,219	110	2,922	144	3,343	159	4,178	194	4,431	202.3
Kitsap	183	71.5	197	76.7	177	67.4	276	104.4	306	114.6
Kittitas	16	+	23	54.2	21	48	16	+	30	65.8
Klickitat	3	+	6	+	4	+	3	+	10	+
Lewis	16	+	31	40.4	52	67.6	40	51.7	54	68.9
Lincoln	0	0	3	+	6	+	3	+	3	+
Mason	38	61.3	40	64	48	77	37	58.6	69	107.8
Okanogan	10	+	10	+	27	64.7	11	+	13	+
Pacific	11	+	6	+	3	+	9	+	5	+
Pend Oreille	1	+	3	+	7	+	4	+	9	+
Pierce	1,271	155	1,363	165	1,196	142	1,772	206.2	1,923	220.5
San Juan	3	+	1	+	0	0	3	+	2	+
Skagit	55	46	53	44.2	65	53.2	60	48.4	108	85.4
Skamania	1	+	1	+	3	+	1	+	2	+
Snohomish	402	54.3	504	67.6	602	77.9	741	93.9	875	108.7
Spokane	530	109	527	108	520	106	693	138.7	755	148.6
Stevens	9	+	17	38.7	28	63.5	14	+	24	53.3
Thurston	146	55.3	192	72	263	96.5	253	91.4	289	102.6
Wahkiakum	1	+	0	0	1	+	2	+	1	+
Walla Walla	46	76.5	25	41.5	30	49.4	20	32.6	48	77.7
Whatcom	58	27.9	61	29.2	102	48	147	68	171	77.6
Whitman	11	+	10	+	12	+	31	63.7	38	77.2
Yakima	406	163	376	150	443	177	433	171.2	556	218.5
State Totals	6,136	88.1	7,203	103	8,165	114	10,022	137.1	11,215	151.0

Statewide by Year

Year	Cases	Rate*	Deaths
1982	11,381	266.0	0
1983	9,895	230.0	0
1984	9,158	210.0	0
1985	10,073	228.0	0
1986	9,848	221.0	0
1987	8,909	197.0	0
1988	7,154	155.0	0
1989	6,369	135.0	0
1990	5,009	103.0	0
1991	4,441	88.4	0
1992	4,169	81.1	0
1993	3,740	71.0	0
1994	2,893	53.9	0
1995	2,765	50.5	0
1996	2,020	36.3	0
1997	1,955	34.5	0
1998	1,948	33.9	0
1999	2,132	36.6	0
2000	2,419	41.0	0
2001	2,991	50.1	0
2002	2,925	48.3	0
2003	2,754	44.9	0
2004	2,810	45.3	0
2005	3,738	59.3	0
2006	4,231	65.9	0
2007	3,646	55.9	0
2008	3,116	47.2	0
2009	2,268	34.0	0
2010	2,865	42.6	0
2011	2,730	40.3	0
2012	3,282	48.1	0
2013	4,390	63.8	0
2014	6,136	88.1	0
2015	7,203	103.0	0
2016	8,165	114.0	0
2017	10,022	137.1	0
2018	11,215	151.0	0

*All incidence rates are cases per 100,000 population.

+County incidence rates based on counts ≤16 are suppressed due to statistical instability.

Data source: PHIMS-STD 4/1/2019

Haemophilus Influenzae Invasive Disease

Year	Cases	Rate*	Deaths
1981	156	3.7	0
1982	149	3.5	6
1983	123	2.9	5
1984	110	2.5	5
1985	153	3.5	6
1986	319	7.1	11
1987	271	6.0	6
1988	200	4.3	0
1989	163	3.4	2
1990	123	2.5	6
1991	51	1.0	0
1992	22	0.4	1
1993	17	0.3	0
1994	10	0.2	0
1995	11	0.2	3
1996	10	0.2	0
1997	6	0.1	0
1998	11	0.2	1
1999	5	0.1	1
2000	8	0.1	0
2001*	7	1.8	0
2002*	5	1.2	0
2003*	13	3.2	1
2004*	4	1.0	0
2005*	5	1.2	0
2006*	5	1.2	0
2007*	6	1.4	0
2008*	2	0.5	0
2009*	9	2.1	0
2010*	10	2.3	1
2011*	8	1.8	1
2012*	4	0.9	0
2013*	11	2.4	0
2014*	9	2.0	0
2015*	5	1.1	0
2016*	9	2.0	0
2017*	7	1.5	0
2018*	13	2.9	0

*All rates are cases per 100,000 population. Rates for 2001-2018 are for population aged 0-4 years; rates before 2001 are for the entire population.

Hantavirus Pulmonary Syndrome‡

Year	Cases	Rate*	Deaths
1985	2	0	1
1994	4	0.1	2
1995	4	0.1	2
1996	3	0.1	1
1997	2	0	0
1998	5	0.1	1
1999	1	0	0
2000	1	0	0
2001	1	0	0
2002	2	0	1
2003	2	0	0
2004	1	0	0
2005	3	0	2
2006	2	0	0
2007	2	0	1
2008	2	0	1
2009	3	0	1
2010	2	0	0
2011	2	0	1
2012	2	0	2
2013	0	0	0
2014	1	0	0
2015	1	0	0
2016	1	0	0
2017	5	0.1	3
2018	2	0	0

‡Hantavirus Pulmonary Syndrome first became a notifiable condition in Washington in 12/2000.

*All rates are cases per 100,000 population.

Hepatitis A, Acute

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	0	0	0	0	0	0	0	0	0	0
Asotin	0	0	0	0	0	0	0	0	0	0
Benton	1	+	1	0	0	0	0	0	1	+
Chelan	0	0	1	0	0	0	0	0	0	0
Clallam	0	0	0	0	0	0	0	0	1	+
Clark	3	+	3	+	2	+	3	+	3	+
Columbia	0	0	0	0	0	0	0	0	0	0
Cowlitz	0	0	1	+	0	0	1	+	0	0
Douglas	0	0	0	0	0	0	0	0	0	0
Ferry	0	0	0	0	0	0	0	0	0	0
Franklin	0	0	0	0	0	0	0	0	0	0
Garfield	0	0	0	0	0	0	0	0	0	0
Grant	0	0	1	+	0	0	0	0	0	0
Grays Harbor	0	0	0	0	1	+	0	0	0	0
Island	0	0	0	0	0	0	0	0	0	0
Jefferson	0	0	0	0	0	0	0	0	2	+
King	6	0.3	8	0.4	13	0.6	11	0.5	14	0.6
Kitsap	0	0	0	0	1	+	2	+	2	+
Kittitas	0	0	0	0	0	0	0	0	0	0
Klickitat	1	+	0	0	0	0	0	0	1	+
Lewis	0	0	0	0	1	+	0	0	0	0
Lincoln	0	0	0	0	0	0	0	0	0	0
Mason	0	0	0	0	1	+	1	+	0	0
Okanogan	0	0	0	0	0	0	0	0	0	0
Pacific	0	0	0	0	0	0	0	0	1	+
Pend Oreille	0	0	0	0	0	0	0	0	0	0
Pierce	4	+	0	0	2	+	1	+	2	+
San Juan	0	0	0	0	0	0	0	0	0	0
Skagit	1	+	1	+	1	+	3	+	1	+
Skamania	0	0	0	0	0	0	0	0	0	0
Snohomish	6	0.8	5	0.7	4	+	1	+	2	+
Spokane	3	0	1	+	1	+	2	+	1	+
Stevens	0	0	0	0	0	0	0	0	1	+
Thurston	0	0	1	+	0	0	1	+	2	+
Wahkiakum	0	0	0	0	0	0	0	0	0	0
Walla Walla	0	0	0	0	0	0	1	+	0	0
Whatcom	1	+	3	+	4	+	0	0	0	0
Whitman	0	0	0	0	0	0	0	0	0	0
Yakima	0	0	0	0	0	0	1	+	1	+
State Totals	26	0.4	26	0.4	31	0.4	28	0.4	35	0.5

Statewide by Year

Year	Cases	Rate*	Deaths
1980	554	13.4	2
1981	791	18.7	0
1982	494	11.6	1
1983	268	6.2	1
1984	373	8.6	0
1985	702	15.9	2
1986	1,385	31.0	1
1987	2,589	57.2	1
1988	2,669	57.8	7
1989	3,273	69.2	5
1990	1,380	28.4	1
1991	608	12.1	3
1992	865	16.8	1
1993	926	17.6	1
1994	1,119	20.9	2
1995	937	17.1	9
1996	1,001	18.0	3
1997	1,019	18.0	1
1998	1,037	18.0	2
1999	505	8.7	1
2000	298	5.1	1
2001	184	3.1	0
2002	162	2.7	0
2003	50	0.8	0
2004	69	1.1	0
2005	63	1.0	1
2006	52	0.8	2
2007	60	0.9	0
2008	51	0.8	0
2009	42	0.6	1
2010	21	0.3	0
2011	31	0.5	1
2012	29	0.4	1
2013	45	0.7	1
2014	26	0.4	0
2015	26	0.4	0
2016	31	0.4	1
2017	28	0.4	0
2018	35	0.5	1

*All incidence rates are cases per 100,000 population.

+County incidence rates not calculated for <5 cases.

Hepatitis B, Acute

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	0	0	0	0	0	0	0	0	0	0
Asotin	0	0	0	0	0	0	0	0	0	0
Benton	0	0	0	0	0	0	0	0	0	0
Chelan	1	+	1	+	0	0	1	+	0	0
Clallam	1	+	0	0	0	0	0	0	0	0
Clark	0	0	3	+	1	+	2	+	0	0
Columbia	1	+	0	0	0	0	0	0	0	0
Cowlitz	1	+	2	+	6	5.7	7	6.6	2	+
Douglas	0	0	0	0	0	0	0	0	0	0
Ferry	0	0	0	0	0	0	0	0	0	0
Franklin	0	0	0	0	0	0	0	0	0	0
Garfield	0	0	0	0	0	0	0	0	0	0
Grant	1	+	2	+	0	0	1	+	0	0
Grays Harbor	5	6.8	1	+	3	+	2	+	3	+
Island	0	0	0	0	1	+	0	0	0	0
Jefferson	0	0	0	0	0	0	0	0	0	0
King	10	0.5	7	0.3	3	+	7	0.3	9	0.4
Kitsap	0	0	1	+	0	0	0	0	1	+
Kittitas	0	0	0	0	0	0	0	0	0	0
Klickitat	0	0	0	0	0	0	0	0	1	+
Lewis	0	0	0	0	1	+	3	+	0	0
Lincoln	0	0	0	0	0	0	0	0	1	+
Mason	0	0	1	+	2	+	1	+	1	+
Okanogan	0	0	0	0	0	0	0	0	0	0
Pacific	1	+	0	0	1	+	0	0	0	0
Pend Oreille	0	0	0	0	0	0	0	0	0	0
Pierce	0	0	5	0.6	6	0.7	4	+	6	0.7
San Juan	0	0	0	0	0	0	0	0	0	0
Skagit	1	+	0	0	1	+	1	+	1	+
Skamania	0	0	0	0	0	0	1	+	0	0
Snohomish	8	1.1	2	+	7	0.9	4	+	7	0.9
Spokane	13	2.7	8	1.6	10	2.0	7	1.4	13	2.6
Stevens	0	0	0	0	0	0	0	0	1	+
Thurston	0	0	0	0	1	+	3	+	3	+
Wahkiakum	0	0	0	0	0	0	0	0	0	0
Walla Walla	0	0	0	0	0	0	0	0	1	+
Whatcom	1	+	1	+	0	0	1	+	1	+
Whitman	0	0	0	0	0	0	0	0	0	0
Yakima	0	0	0	0	2	+	0	0	0	0
State Totals	44	0.6	34	0.5	45	0.6	45	0.6	51	0.7

Statewide by Year

Year	Cases	Rate*	Deaths
1980	257	6.2	6
1981	345	8.2	11
1982	358	8.4	2
1983	307	7.1	3
1984	317	7.3	2
1985	484	11.0	6
1986	989	22.2	8
1987	1,126	24.9	4
1988	979	21.2	6
1989	1,055	22.3	9
1990	616	12.7	7
1991	470	9.4	5
1992	399	7.8	1
1993	247	4.7	0
1994	255	4.8	2
1995	226	4.1	2
1996	158	2.8	1
1997	114	2.0	2
1998	136	2.4	0
1999	111	1.9	1
2000	132	2.2	5
2001	171	2.9	0
2002	83	1.4	0
2003	90	1.5	1
2004	64	1.0	1
2005	80	1.3	0
2006	80	1.2	2
2007	71	1.1	1
2008	56	0.8	0
2009	48	0.7	0
2010	50	0.7	1
2011	35	0.5	0
2012	34	0.5	1
2013	34	0.5	1
2014	44	0.6	0
2015	34	0.5	0
2016	45	0.6	0
2017	45	0.6	0
2018	51	0.7	0

*All incidence rates are cases per 100,000 population.

+County incidence rates not calculated for <5 cases.

Hepatitis B, Chronic

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	1	*	0	0	0	0	1	*	2	*
Asotin	0	0	0	0	0	0	2	*	1	*
Benton	5	2.7	2	*	5	2.6	39	20.2	57	28.9
Chelan	1	*	1	*	1	*	4	*	6	7.7
Clallam	1	*	0	0	1	*	9	12.1	14	18.6
Clark	86	19.4	75	16.6	70	15.2	60	12.7	119	24.8
Columbia	0	0	0	0	0	0	0	0	0	0
Cowlitz	8	7.7	10	9.6	5	4.8	14	13.2	9	8.4
Douglas	0	0	2	*	0	0	0	0	4	*
Ferry	0	0	1	*	0	0	0	0	0	0
Franklin	2	*	2	*	0	0	5	5.5	21	22.7
Garfield	0	0	0	0	0	0	0	0	0	0
Grant	3	*	5	5.3	0	0	1	*	1	*
Grays Harbor	2	*	3	*	0	0	3	*	17	23.1
Island	7	8.8	4	*	3	*	0	0	10	11.9
Jefferson	1	*	4	*	1	*	1	*	2	*
King	592	29.3	699	34.1	888	42.2	1,074	49.9	1,076	49.1
Kitsap	19	7.4	39	15.1	33	12.6	19	7.2	55	20.6
Kittitas	2	*	0	0	1	*	3	*	3	*
Klickitat	0	0	2	*	0	0	4	*	1	*
Lewis	1	*	5	6.5	4	*	11	14.2	10	12.8
Lincoln	0	0	0	0	0	0	0	0	1	*
Mason	1	*	1	*	2	*	1	*	10	15.6
Okanogan	1	*	1	*	1	*	0	0	2	*
Pacific	0	0	2	*	1	*	2	*	0	0
Pend Oreille	1	*	0	0	0	0	1	*	0	0
Pierce	93	11.3	119	14.3	168	19.9	150	17.5	205	23.5
San Juan	0	*	0	*	1	*	0	*	1	*
Skagit	1	*	6	5	11	9	13	10.5	12	9.5
Skamania	0	*	0	*	0	*	0	*	0	0
Snohomish	169	22.8	159	21	173	22.4	201	25.5	302	37.5
Spokane	55	11.4	66	13.5	59	12.0	78	15.6	107	21.1
Stevens	1	*	2	*	1	*	1	*	5	11.1
Thurston	35	13.3	57	21.3	59	21.6	48	17.3	54	19.2
Wahkiakum	0	0	0	0	0	0	0	0	1	*
Walla Walla	0	0	0	0	1	*	1	*	8	12.9
Whatcom	12	5.8	17	8.1	15	7.1	23	10.6	22	10.0
Whitman	0	0	1	*	1	*	8	16.4	11	22.4
Yakima	8	3.2	13	5.2	6	2.4	9	3.6	19	7.5
Unspecified‡	11	-	12	-	10	-	1	*	4	*
State Totals+	1,119	16.1	1,310	18.6	1,521	21.2	1,786	24.4	2,172	29.2

Statewide by Year

Year	Cases	Rate*	Deaths
2001	1,078	18.1	55
2002	979	16.2	52
2003	950	15.5	48
2004	939	15.3	55
2005	1,034	16.4	49
2006	1,119	17.4	39
2007	1,138	17.4	47
2008	1,464	22.2	52
2009	1,194	17.9	64
2010	1,238	18.4	47
2011	1,030	15.2	54
2012	1,139	16.7	47
2013	901	13.1	60
2014	1,119	16.1	56
2015	1,310	18.6	48
2016	1,521	21.2	49
2017	1,787	24.4	49
2018	2,172	29.2	54

*All incidence rates are cases per 100,000 population, county rates not calculated for <5 cases.

‡Includes cases diagnosed in correctional facilities and cases entered at the state level into Washington State electronic databases.

+Statewide data represent cases classified as confirmed or probable based on laboratory data and established classification criteria. Changes were made to the way data were compiled in 2016, and these changes affected case counts in many counties for the previous five years.

Hepatitis C, Acute

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	0	0	0	0	0	0	0	0	0	0
Asotin	0	0	0	0	0	0	0	0	0	0
Benton	1	+	0	0	0	0	0	0	0	0
Chelan	1	+	0	0	0	0	0	0	0	0
Clallam	3	+	2	+	1	+	0	0	0	0
Clark	3	+	0	0	0	0	1	+	3	+
Columbia	0	0	0	0	0	0	0	0	0	0
Cowlitz	0	0	0	0	1	+	3	+	0	0
Douglas	0	0	0	0	0	0	0	0	0	0
Ferry	0	0	0	0	0	0	0	0	0	0
Franklin	0	0	0	0	0	0	0	0	0	0
Garfield	0	0	0	0	0	0	0	0	0	0
Grant	0	0	0	0	0	0	0	0	0	0
Grays Harbor	1	+	0	0	0	0	0	0	0	0
Island	0	0	0	0	0	0	0	0	0	0
Jefferson	2	+	0	0	2	+	1	+	2	+
King	21	1.0	20	1.0	14	0.7	13	0.6	27	1.2
Kitsap	1	+	0	0	0	0	3	+	0	0
Kittitas	0	0	0	0	0	0	0	0	0	0
Klickitat	0	0	0	0	0	0	0	0	0	0
Lewis	0	0	0	0	0	0	0	0	0	0
Lincoln	0	0	0	0	0	0	0	0	0	0
Mason	0	0	0	0	1	+	0	0	1	+
Okanogan	0	0	0	0	0	0	0	0	0	0
Pacific	0	0	0	0	0	0	0	0	0	0
Pend Oreille	0	0	0	0	0	0	0	0	0	0
Pierce	16	1.9	22	2.7	31	3.7	27	3.1	41	4.7
San Juan	0	0	0	0	0	0	0	0	0	0
Skagit	3	+	2	+	6	4.9	2	1.6	3	+
Skamania	0	0	0	0	0	0	0	0	0	0
Snohomish	2	+	1	+	7	0.9	8	1.0	7	0.9
Spokane	16	3.3	13	2.7	24	4.9	7	1.4	15	3.0
Stevens	0	0	0	0	0	0	0	0	1	+
Thurston	0	0	0	0	1	+	0	0	4	+
Wahkiakum	0	0	0	0	0	0	0	0	0	0
Walla Walla	0	0	0	0	0	0	1	+	0	0
Whatcom	11	5.3	2	+	3	+	6	2.8	13	5.9
Whitman	0	0	0	0	0	0	0	0	1	+
Yakima	2	+	1	+	4	+	1	+	0	0
State Totals	83	1.2	63	0.9	95	1.3	73	1.0	118	1.6

Statewide by Year

Year	Cases	Rate*	Deaths
1981	54	1.3	8
1982	94	2.2	0
1983	151	3.5	1
1984	131	3.0	2
1985	145	3.3	1
1986	167	3.7	7
1987	207	4.6	1
1988	232	5.0	2
1989	208	4.4	4
1990	141	2.9	6
1991	164	3.3	4
1992	186	3.6	1
1993	219	4.2	1
1994	294	5.5	0
1995	234	4.3	1
1996	66	1.2	1
1997	42	0.7	0
1998	29	0.5	0
1999	24	0.4	0
2000	44	0.7	0
2001	31	0.5	0
2002	27	0.4	0
2003	21	0.3	0
2004	23	0.4	1
2005	21	0.3	0
2006	23	0.4	0
2007	18	0.3	0
2008	25	0.4	0
2009	22	0.3	0
2010	25	0.4	0
2011	41	0.6	0
2012	54	0.8	0
2013	63	0.9	0
2014	83	1.2	0
2015	63	0.9	0
2016	95	1.3	0
2017	73	1.0	0
2018	118	1.6	0

*All incidence rates are cases per 100,000 population.

+County incidence rates not calculated for <5 cases.

Hepatitis C, Chronic

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	7	36.1	4	*	7	35.9	8	40.3	5	25.0
Asotin	16	72.9	2	*	0	*	10	44.9	45	200.7
Benton	51	27.3	31	16.4	39	20.5	159	82.2	206	104.3
Chelan	31	41.7	15	20.0	35	46.1	51	66.4	74	95.1
Clallam	81	111.7	85	117.0	79	107.6	95	128.0	118	157.1
Clark	621	140.2	670	148.3	657	142.5	603	128.0	659	137.4
Columbia	6	147.1	2	*	0	*	1	*	5	120.5
Cowlitz	273	263.3	272	260.8	257	245.1	283	267.2	249	232.0
Douglas	6	15.1	6	15.0	9	22.1	13	31.4	35	83.1
Ferry	12	156.7	16	207.5	10	129.9	6	77.5	22	282.8
Franklin	18	20.8	5	5.7	5	5.6	10	11.1	105	113.5
Garfield	6	267.9	0	*	2	*	0	*	3	*
Grant	19	20.5	26	27.7	51	53.9	48	50.2	64	65.7
Grays Harbor	147	200.5	146	199.7	122	167.5	131	179.5	158	214.6
Island	60	75.0	54	67.0	65	78.4	86	103.9	68	81.1
Jefferson	24	78.2	32	103.6	33	106.1	31	98.9	34	107.6
King	1,096	54.3	1,121	54.6	1,931	91.7	2,383	110.6	1,587	72.5
Kitsap	232	90.7	301	116.6	244	92.9	292	110.5	210	78.6
Kittitas	38	90.3	17	39.8	15	34.3	19	42.5	36	78.9
Klickitat	11	52.8	19	90.5	22	103.4	38	175.4	20	91.0
Lewis	110	144.2	99	129.1	114	148.3	114	147.2	144	183.7
Lincoln	7	65.4	0	*	7	65.8	6	56.1	12	111.0
Mason	146	235.5	180	289.4	106	170.1	87	137.7	306	478.0
Okanogan	8	19.2	16	38.2	19	45.5	13	30.9	52	122.4
Pacific	43	203.8	29	136.7	36	170.0	47	221.2	56	261.4
Pend Oreille	22	166.5	22	166.2	24	180.6	16	119.7	25	184.6
Pierce	423	51.5	952	114.7	1,002	118.7	1,187	138.1	838	96.1
San Juan	13	80.7	17	105.1	10	61.3	10	60.6	9	53.5
Skagit	158	132.2	153	126.8	115	94.1	128	103.1	178	140.7
Skamania	0	*	1	*	1	*	0	*	17	143.0
Snohomish	654	88.3	728	96.1	912	118.0	1,239	157.0	842	104.6
Spokane	702	144.9	725	148.5	739	150.0	812	162.5	860	169.3
Stevens	55	125.3	46	104.5	42	95.2	113	253.9	59	131.0
Thurston	283	107.2	274	102.5	293	107.4	291	105.1	270	95.8
Wahkiakum	0	*	0	*	0	*	2	*	4	*
Walla Walla	36	59.9	41	67.6	26	42.8	40	65.1	93	150.5
Whatcom	302	145.5	286	136.3	296	139.3	199	92.0	224	101.7
Whitman	5	10.8	3	*	4	*	8	16.4	24	48.8
Yakima	251	100.9	187	74.8	180	71.7	235	92.9	268	105.3
Unspecified‡	22	-	502	-	609	-	25	-	101	-
State Totals+	5,995	86.0	7,085	100.3	8,118	113.0	8,839	120.9	8,085	108.9

Statewide by Year

Year	Cases	Rate*	Deaths
2001	6,052	101.4	296
2002	5,218	86.1	335
2003	4,142	67.6	299
2004	4,681	76.4	362
2005	4,708	74.7	322
2006	5,296	82.5	355
2007	5,481	84.0	444
2008	6,450	97.6	473
2009	5,511	82.6	550
2010	5,619	83.6	560
2011	5,066	74.9	580
2012	4,865	71.4	604
2013	4,438	64.5	584
2014	5,995	86.0	645
2015	7,085	100.3	651
2016	8,118	113.0	534
2017	8,839	120.9	543
2018	8,085	108.9	479

*All incidence rates are cases per 100,000 population, County rates not calculated for <5 cases.

‡Includes cases diagnosed in correctional facilities and cases entered at the state level into the Public Health Issue Management System (PHIMS).

+Statewide data represent cases classified as confirmed or probable based on laboratory data and established classification criteria. Changes were made to the way data were compiled in 2016, and these changes affected case counts in many counties for the previous five years.

Herpes Simplex

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	1	+	2	+	3	+	3	+	5	+
Asotin	3	+	3	+	4	+	5	+	0	0
Benton	62	33.2	66	34.9	70	36.8	64	33.1	69	35.0
Chelan	6	+	4	+	9	+	15	+	9	+
Clallam	18	24.8	22	30.2	14	+	20	26.9	21	28.0
Clark	193	43.6	183	41.2	231	50.1	305	64.8	281	58.6
Columbia	0	0	0	0	0	0	0	0	0	0
Cowlitz	57	55.0	52	50.0	55	52.5	50	47.2	28	26.1
Douglas	4	+	1	+	1	+	6	+	2	+
Ferry	4	+	3	+	1	+	1	+	1	+
Franklin	27	31.2	36	40.4	40	45.1	27	29.9	31	33.5
Garfield	0	0	0	0	0	0	0	0	0	0
Grant	14	+	18	19.2	30	31.7	21	22.0	25	25.7
Grays Harbor	26	35.5	19	25.9	14	+	3	+	7	+
Island	28	35.0	22	27.4	14	+	9	+	26	31.0
Jefferson	6	+	5	+	3	+	4	+	2	+
King	385	19.1	770	38.0	739	35.1	356	16.5	15	+
Kitsap	78	30.5	91	35.5	67	25.5	108	40.9	75	28.1
Kittitas	17	40.4	25	58.9	21	48.0	14	+	9	+
Klickitat	2	+	2	+	5	+	1	+	2	+
Lewis	11	+	8	+	20	26.0	9	+	10	+
Lincoln	1	+	2	+	4	+	0	0	0	0
Mason	7	+	10	+	11	+	20	31.7	12	+
Okanogan	7	+	7	+	14	+	1	+	3	+
Pacific	9	+	3	+	6	+	0	+	5	+
Pend Oreille	1	+	3	+	3	+	10	+	3	+
Pierce	400	48.7	474	57.5	474	56.1	409	47.6	482	55.3
San Juan	1	+	1	+	2	+	0	+	1	+
Skagit	27	22.6	25	20.9	41	33.5	57	45.9	42	33.2
Skamania	0	0	0	0	1	+	2	+	0	0
Snohomish	274	37.0	217	29.1	203	26.3	127	16.1	92	11.4
Spokane	201	41.5	186	38	206	41.8	163	32.6	148	29.1
Stevens	1	+	6	+	2	+	11	+	7	+
Thurston	71	26.9	67	25.2	99	36.3	72	26.0	77	27.3
Wahkiakum	0	0	1	+	0	0	0	0	1	+
Walla Walla	18	29.9	21	34.9	25	41.2	25	40.7	7	+
Whatcom	54	26	53	25.4	45	21.2	53	24.5	61	27.7
Whitman	8	+	6	+	8	+	11	+	7	+
Yakima	60	24.1	110	44.0	63	25.1	76	30.0	46	18.1
State Totals[+]	2,082	29.9	2,524	36.0	2,548	35.5	2,058	28.2	1,612	21.7

Statewide by Year

Year	Cases	Rate*	Deaths
2003	2,073	33.8	0
2004	2,153	34.7	0
2005	2,331	37.0	0
2006	2,446	38.1	0
2007	1,952	29.9	0
2008	2,009	30.4	0
2009	1,875	28.1	0
2010	2,028	30.2	0
2011	2,149	31.8	0
2012	2,197	32.2	0
2013	2,207	32.1	0
2014	2,082	29.9	0
2015	2,524	36.0	0
2016	2,548	35.5	0
2017	2,058	28.2	0
2018	1,612	21.7	0

Note: Data prior to 2009 are based on year reported rather than year diagnosed.

*All incidence rates are cases per 100,000 population.

+County incidence rates based on counts ≤16 are suppressed due to statistical instability.

Data source: PHIMS-STD 4/1/2019

Human Immunodeficiency Virus (HIV)‡

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	0	0	1	*	0	0	0	0	1	*
Asotin	0	0	1	*	0	0	0	0	0	0
Benton	7	3.8	0	0	7	3.7	2	*	2	*
Chelan	3	*	5	6.7	6	7.9	1	*	3	*
Clallam	1	*	4	*	2	*	2	*	5	6.7
Clark	20	4.5	19	4.2	17	3.7	24	5.1	20	4.2
Columbia	0	0	0	0	0	0	1	*	0	0
Cowlitz	5	4.8	2	*	2	*	4	*	1	*
Douglas	0	0	3	*	0	0	1	*	1	*
Ferry	1	*	0	0	0	0	0	0	0	0
Franklin	1	*	5	5.7	3	*	1	*	4	*
Garfield	0	0	0	0	0	0	0	0	0	0
Grant	0	0	0	0	0	0	0	0	3	+
Grays Harbor	3	*	4	*	1	*	4	*	0	0
Island	1	*	1	*	2	*	3	*	2	*
Jefferson	2	*	1	*	2	*	0	0	1	*
King	217	10.8	203	9.9	181	8.6	176	8.2	229	10.5
Kitsap	6	2.3	10	3.9	7	2.7	9	3.4	8	3.0
Kittitas	1	*	1	*	1	*	0	0	3	*
Klickitat	0	0	0	0	0	0	1	*	0	0
Lewis	1	*	1	*	0	0	0	0	1	*
Lincoln	0	0	0	0	1	*	1	*	0	0
Mason	1	*	5	8.0	3	*	4	*	5	7.8
Okanogan	0	0	0	0	1	*	0	0	0	0
Pacific	1	*	0	0	0	0	0	0	1	*
Pend Oreille	0	0	1	*	0	0	0	0	0	0
Pierce	40	4.9	65	7.8	43	5.1	41	4.8	49	5.6
San Juan	0	0	0	0	0	0	0	0	0	0
Skagit	5	4.2	1	*	7	5.7	3	*	3	*
Skamania	1	*	1	*	0	0	0	0	0	0
Snohomish	30	4.1	34	4.5	36	4.7	28	3.6	20	2.5
Spokane	6	1.2	19	3.9	26	5.3	20	4.0	17	3.4
Stevens	0	0	0	0	1	*	0	0	0	0
Thurston	5	1.9	7	2.6	8	2.9	9	3.3	9	3.2
Wahkiakum	1	*	0	0	0	0	0	0	0	0
Walla Walla	0	0	0	0	1	*	2	*	1	*
Whatcom	5	2.4	5	2.4	2	*	8	3.7	3	*
Whitman	1	*	1	*	0	0	0	0	3	*
Yakima	7	2.8	6	2.4	11	4.4	26	10.3	6	2.4
State Totals	372	5.3	406	5.8	371	5.2	371	5.1	401	5.4

‡Cases are presented by year of initial HIV diagnosis, regardless of diagnostic status (HIV or AIDS), and by county of residence at time of diagnosis. Data reflects cases reported through 6/30/19.

*All rates are cases per 100,000 population. New HIV case rates not calculated for fewer than 5 cases.

Statewide by Year+

Year	Cases$^{\alpha}$	Rate*	Deaths**
2003	8,225	134.2	212
2004	8,680	139.8	168
2005	9,122	144.8	206
2006	9,637	150.1	171
2007	10,150	155.6	174
2008	10,531	159.4	166
2009	10,817	162.1	176
2010	11,153	165.9	156
2011	11,204	165.5	161
2012	11,337	166.3	141
2013	11,650	169.3	154
2014	11,831	169.8	162
2015	12,215	173.0	139
2016	12,496	173.9	165
2017	12,989	177.7	164
2018	13,417	180.6	-

+People Living with HIV Disease and Related Deaths

$^{\alpha}$Includes resident cases of HIV disease reported to the health department and presumed living in Washington at a specific point in time, regardless of where each case was diagnosed. This methodology accounts for in-migration as well as out-migration, which results in slower increase of people living in Washington over time.

**Includes deaths by any cause. The number of HIV deaths in 2018 was unavailable at the time of this report.

Legionellosis

Year	Cases	Rate*	Deaths
1985	7	0.2	2
1986	15	0.3	8
1987	24	0.5	3
1988	29	0.6	4
1989	30	0.6	5
1990	18	0.4	4
1991	15	0.3	5
1992	15	0.3	5
1993	12	0.2	2
1994	13	0.2	2
1995	22	0.4	6
1996	7	0.1	2
1997	11	0.2	0
1998	15	0.3	2
1999	21	0.4	4
2000	19	0.3	1
2001	10	0.2	1
2002	8	0.1	3
2003	14	0.2	1
2004	15	0.2	4
2005	18	0.3	1
2006	20	0.3	1
2007	24	0.4	2
2008	19	0.3	1
2009	29	0.4	2
2010	35	0.5	4
2011	43	0.6	4
2012	30	0.4	5
2013	52	0.8	5
2014	63	0.9	8
2015	58	0.8	2
2016	72	1.0	10
2017	56	0.8	6
2018	54	0.7	7

*All rates are cases per 100,000 population.

Leptospirosis

Year	Cases	Rate*	Deaths
1986	0	0	0
1987	0	0	0
1988	0	0	0
1989	0	0	0
1990	0	0	0
1991	0	0	0
1992	0	0	0
1993	0	0	0
1994	0	0	0
1995	0	0	0
1996	2	0	0
1997	2	0	0
1998	0	0	0
1999	0	0	0
2000	0	0	0
2001	4	0	0
2002	0	0	0
2003	1	0	0
2004	0	0	0
2005	4	0	0
2006	1	0	0
2007	5	0	0
2008	1	0	0
2009	0	0	0
2010	1	0	0
2011	0	0	0
2012	2	0	0
2013	0	0	0
2014	0	0	0
2015	2	0	0
2016	2	0	0
2017	0	0	0
2018	3	0	0

*All rates are cases per 100,000 population.

Listeriosis

Year	Cases	Rate*	Deaths
1985	21	0.5	1
1986	37	0.8	5
1987	36	0.8	6
1988	38	0.8	4
1989	21	0.4	2
1990	22	0.5	3
1991	18	0.4	6
1992	13	0.3	0
1993	21	0.4	2
1994	13	0.2	3
1995	24	0.4	1
1996	11	0.2	3
1997	17	0.3	1
1998	12	0.2	3
1999	19	0.3	5
2000	12	0.2	2
2001	15	0.3	1
2002	11	0.2	0
2003	13	0.2	3
2004	13	0.2	3
2005	14	0.2	3
2006	18	0.3	3
2007	25	0.4	2
2008	29	0.4	3
2009	24	0.4	4
2010	24	0.4	1
2011	19	0.3	2
2012	26	0.4	5
2013	21	0.3	1
2014	24	0.3	5
2015	21	0.3	3
2016	14	0.2	2
2017	17	0.2	3
2018	15	0.2	2

*All rates are cases per 100,000 population.

Lyme Disease

Year	Cases	Rate*	Deaths
1986	1	0	0
1987	10	0.2	0
1988	12	0.3	0
1989	37	0.8	0
1990	33	0.7	0
1991	7	0.1	0
1992	14	0.3	0
1993	9	0.2	0
1994	4	0.1	0
1995	10	0.2	0
1996	18	0.3	0
1997	10	0.2	0
1998	7	0.1	0
1999	14	0.2	0
2000	9	0.2	0
2001	9	0.2	0
2002	12	0.2	0
2003	7	0.1	0
2004	14	0.2	0
2005	13	0.2	0
2006	8	0.1	0
2007	12	0.2	0
2008	23	0.3	0
2009	16	0.2	0
2010	16	0.2	0
2011	19	0.3	0
2012	15	0.2	0
2013	21	0.3	0
2014	15	0.2	0
2015	24	0.3	0
2016	31	0.4	0
2017	39	0.5	0
2018	20	0.3	0

*All rates are cases per 100,000 population.

Malaria

Year	Cases	Rate*	Deaths
1981	30	0.7	0
1982	24	0.6	0
1983	15	0.3	0
1984	20	0.5	0
1985	34	0.8	0
1986	35	0.8	0
1987	28	0.6	0
1988	24	0.5	0
1989	44	0.9	0
1990	33	0.7	0
1991	29	0.6	0
1992	21	0.4	0
1993	41	0.8	0
1994	45	0.8	0
1995	23	0.4	0
1996	41	0.7	0
1997	49	0.9	0
1998	30	0.5	0
1999	43	0.7	0
2000	43	0.7	0
2001	19	0.3	0
2002	26	0.4	0
2003	34	0.6	0
2004	24	0.4	0
2005	24	0.4	0
2006	43	0.7	1
2007	30	0.5	0
2008	32	0.5	0
2009	26	0.4	1
2010	39	0.6	0
2011	24	0.4	0
2012	26	0.4	0
2013	30	0.4	0
2014	41	0.6	0
2015	23	0.3	0
2016	46	0.6	0
2017	34	0.5	0
2018	40	0.5	0

*All rates are cases per 100,000 population.

Measles

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	0	0	0	0	0	0	0	0	0	0
Asotin	0	0	0	0	0	0	0	0	0	0
Benton	0	0	0	0	0	0	0	0	0	0
Chelan	0	0	0	0	0	0	0	0	0	0
Clallam	0	0	6	8.3	0	0	0	0	0	0
Clark	0	0	0	0	0	0	0	0	1	+
Columbia	0	0	0	0	0	0	0	0	0	0
Cowlitz	0	0	0	0	0	0	0	0	0	0
Douglas	0	0	0	0	0	0	0	0	0	0
Ferry	0	0	0	0	0	0	0	0	0	0
Franklin	0	0	0	0	0	0	0	0	0	0
Garfield	0	0	0	0	0	0	0	0	0	0
Grant	0	0	0	0	0	0	0	0	0	0
Grays Harbor	1	+	1	+	0	0	0	0	0	0
Island	0	0	0	0	0	0	0	0	0	0
Jefferson	0	0	0	0	0	0	0	0	0	0
King	13	0.6	0	0	0	0	2	+	1	+
Kitsap	1	+	0	0	0	0	0	0	0	0
Kittitas	0	0	0	0	0	0	0	0	0	0
Klickitat	0	0	0	0	0	0	0	0	0	0
Lewis	0	0	0	0	0	0	0	0	0	0
Lincoln	0	0	0	0	0	0	0	0	0	0
Mason	0	0	0	0	0	0	0	0	0	0
Okanogan	0	0	0	0	0	0	0	0	0	0
Pacific	0	0	0	0	0	0	0	0	0	0
Pend Oreille	0	0	0	0	0	0	0	0	0	0
Pierce	3	+	0	0	0	0	0	0	0	0
San Juan	7	43.5	0	0	0	0	0	0	0	0
Skagit	1	+	0	0	0	0	0	0	0	0
Skamania	0	0	0	0	0	0	0	0	0	0
Snohomish	1	+	0	0	0	0	0	0	6	0.7
Spokane	0	0	2	+	0	0	0	0	0	0
Stevens	0	0	0	0	0	0	0	0	0	0
Thurston	0	0	0	0	0	0	0	0	0	0
Wahkiakum	0	0	0	0	0	0	0	0	0	0
Walla Walla	0	0	0	0	0	0	0	0	0	0
Whatcom	6	2.9	1	+	0	0	0	0	0	0
Whitman	0	0	0	0	0	0	1	+	0	0
Yakima	0	0	0	0	0	0	0	0	0	0
State Totals	33	0.5	10	0.1	0	0	3	0	8	0.1

Statewide by Year

Year	Cases	Rate*	Deaths
1980	178	4.3	0
1981	3	0.1	0
1982	42	1.0	0
1983	43	1.0	0
1984	178	4.1	0
1985	178	4.0	0
1986	176	3.9	0
1987	47	1.0	0
1988	7	0.2	0
1989	56	1.2	0
1990	357	7.3	2
1991	67	1.3	0
1992	11	0.2	0
1993	0	0.0	0
1994	5	0.1	0
1995	17	0.3	0
1996	38	0.7	0
1997	2	0.0	0
1998	1	0.0	0
1999	5	0.1	0
2000	3	0.1	0
2001	15	0.3	0
2002	1	0.0	0
2003	0	0.0	0
2004	7	0.1	0
2005	1	0.0	0
2006	1	0.0	0
2007	3	0.0	0
2008	19	0.3	0
2009	1	0.0	0
2010	1	0.0	0
2011	4	0.1	0
2012	0	0.0	0
2013	4	0.1	0
2014	33	0.5	0
2015	10	0.1	1
2016	0	0.0	0
2017	3	0.0	0
2018	8	0.1	0

*All incidence rates are cases per 100,000 population.

+County incidence rates not calculated for <5 cases.

Meningococcal Disease

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	0	0	0	0	0	0	0	0	0	0
Asotin	0	0	0	0	0	0	0	0	0	0
Benton	0	0	1	+	0	0	0	0	0	0
Chelan	0	0	1	+	0	0	0	0	0	0
Clallam	0	0	0	0	0	0	0	0	0	0
Clark	2	+	1	+	0	0	1	+	1	+
Columbia	0	0	0	0	0	0	0	0	0	0
Cowlitz	1	+	0	0	0	0	0	0	2	+
Douglas	0	0	0	0	0	0	0	0	0	0
Ferry	0	0	0	0	0	0	0	0	0	0
Franklin	0	0	0	0	0	0	0	0	0	0
Garfield	0	0	0	0	0	0	0	0	0	0
Grant	1	+	0	0	0	0	1	+	1	+
Grays Harbor	0	0	0	0	0	0	0	0	0	0
Island	1	+	0	0	0	0	0	0	0	0
Jefferson	0	0	0	0	0	0	0	0	0	0
King	1	+	3	+	3	+	2	+	5	0.2
Kitsap	0	0	0	0	0	0	1	+	0	0
Kittitas	0	0	0	0	0	0	0	0	0	0
Klickitat	0	0	0	0	0	0	0	0	0	0
Lewis	0	0	2	+	0	0	0	0	1	+
Lincoln	0	0	0	0	0	0	0	0	0	0
Mason	0	0	0	0	0	0	0	0	0	0
Okanogan	0	0	0	0	0	0	0	0	0	0
Pacific	0	0	0	0	0	0	0	0	0	0
Pend Oreille	0	0	0	0	0	0	0	0	0	0
Pierce	4	+	1	+	8	0.9	2	+	7	0.8
San Juan	1	+	0	0	0	0	0	0	0	0
Skagit	0	0	0	0	0	0	0	0	0	0
Skamania	0	0	0	0	0	0	0	0	0	0
Snohomish	1	+	0	0	1	+	1	+	0	0
Spokane	2	+	0	0	0	0	1	+	2	+
Stevens	0	0	0	0	0	0	0	0	0	0
Thurston	2	+	1	+	1	+	1	+	1	+
Wahkiakum	0	0	0	0	0	0	0	0	0	0
Walla Walla	0	0	0	0	0	0	0	0	0	0
Whatcom	0	0	0	0	0	0	1	+	0	0
Whitman	0	0	0	0	0	0	0	0	0	0
Yakima	1	+	0	0	0	0	0	0	0	0
State Totals	17	0.2	10	0.1	13	0.2	11	0.2	20	0.3

Statewide by Year

Year	Cases	Rate*	Deaths
1980	67	1.6	2
1981	78	1.8	3
1982	56	1.3	2
1983	48	1.1	3
1984	56	1.3	3
1985	67	1.5	6
1986	62	1.4	5
1987	87	1.9	4
1988	76	1.6	3
1989	96	2.0	12
1990	80	1.6	5
1991	73	1.5	8
1992	92	1.8	5
1993	97	1.8	6
1994	111	2.1	7
1995	126	2.3	7
1996	116	2.1	10
1997	115	2.0	11
1998	77	1.3	7
1999	93	1.6	4
2000	71	1.2	6
2001	71	1.2	6
2002	76	1.3	8
2003	61	1.0	7
2004	42	0.7	4
2005	53	0.8	4
2006	45	0.7	1
2007	32	0.5	8
2008	40	0.6	4
2009	26	0.4	3
2010	33	0.5	3
2011	22	0.3	0
2012	24	0.4	1
2013	20	0.3	3
2014	17	0.2	2
2015	10	0.1	1
2016	13	0.2	1
2017	11	0.2	1
2018	20	0.3	0

*All incidence rates are cases per 100,000 population.

+County incidence rates not calculated for <5 cases.

Mumps

Year	Cases	Rate*	Deaths
1980	166	4.0	0
1981	165	3.9	0
1982	102	2.4	0
1983	55	1.3	0
1984	56	1.3	0
1985	42	1.0	0
1986	30	0.7	0
1987	70	1.5	0
1988	44	1.0	0
1989	59	1.2	0
1990	66	1.4	0
1991	178	3.5	0
1992	18	0.4	0
1993	14	0.3	0
1994	23	0.4	0
1995	16	0.3	0
1996	26	0.5	0
1997	21	0.4	0
1998	11	0.2	0
1999	2	0	0
2000	10	0.2	0
2001	2	0	0
2002	0	0	0
2003	11	0.2	0
2004	2	0	0
2005	3	0	0
2006	42	0.7	0
2007	53	0.8	0
2008	14	0.2	0
2009	6	0.1	0
2010	7	0.1	0
2011	2	0	0
2012	2	0	0
2013	2	0	0
2014	9	0.1	0
2015	7	0.1	0
2016	152	2.1	0
2017	779	10.7	0
2018	58	0.8	0

*All rates are cases per 100,000 population.

Pertussis

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	11	56.7	1	+	1	+	1	+	0	0
Asotin	1	+	1	+	1	+	0	0	0	0
Benton	7	3.8	4	+	7	3.7	5	2.6	9	4.6
Chelan	3	+	5	6.7	1	+	3	+	17	21.9
Clallam	20	27.6	4	+	12	16.3	0	0	0	0
Clark	59	13.3	322	71.0	64	13.9	101	21.4	132	27.5
Columbia	0	0	3	+	0	0	0	0	0	0
Cowlitz	10	9.6	24	23.0	21	20.0	12	11.3	108	100.6
Douglas	0	0	1	+	0	0	1	+	3	+
Ferry	0	0	0	0	0	0	0	0	0	0
Franklin	4	+	1	+	1	+	3	+	7	7.6
Garfield	0	0	0	0	0	0	0	0	0	0
Grant	35	37.7	14	14.9	4	+	64	66.9	14	14.4
Grays Harbor	0	0	10	13.7	10	13.7	1	+	4	+
Island	6	7.5	17	21.1	4	+	2	+	2	+
Jefferson	1	+	30	97.2	13	41.8	2	+	1	+
King	151	7.5	210	10.2	121	5.7	121	5.6	131	6.0
Kitsap	43	16.8	95	36.8	14	5.3	10	3.8	8	3.0
Kittitas	0	0	7	16.4	8	18.3	5	11.2	17	37.3
Klickitat	2	+	5	23.8	0	0	0	0	1	+
Lewis	16	21.0	16	20.9	2	+	5	6.5	11	14.0
Lincoln	0	0	0	0	0	0	0	0	6	55.5
Mason	0	0	4	+	2	+	5	7.9	1	+
Okanogan	3	+	0	0	0	0	0	0	28	65.9
Pacific	0	0	10	47.1	0	0	0	0	0	0
Pend Oreille	1	+	1	+	0	0	0	0	1	+
Pierce	86	10.5	157	18.9	87	10.3	119	13.8	66	7.6
San Juan	3	+	0	0	2	+	1	+	0	0
Skagit	18	15.1	5	4.1	11	9.0	17	13.7	8	6.3
Skamania	0	0	1	+	0	0	0	0	1	+
Snohomish	25	3.4	244	32.2	81	10.5	47	6.0	54	6.7
Spokane	26	5.4	48	9.8	67	13.6	34	6.8	65	12.8
Stevens	0	0	1	+	3	+	0	0	0	0
Thurston	13	4.9	32	12.0	24	8.8	19	6.9	54	19.2
Wahkiakum	0	0	0	0	0	0	0	0	0	0.0
Walla Walla	14	23.3	37	61	0	0	1	+	10	16.2
Whatcom	24	11.6	61	29.1	52	24.5	95	43.9	68	30.9
Whitman	1	+	2	+	1	+	0	0	0	0
Yakima	17	6.8	10	4.0	4	+	66	26.1	20	7.9
State Totals	600	8.6	1,383	19.6	618	8.6	740	10.1	847	11.4

Statewide by Year

Year	Cases	Rate*	Deaths
1980	77	1.9	0
1981	58	1.4	1
1982	36	0.8	1
1983	20	0.5	0
1984	326	7.5	1
1985	92	2.1	0
1986	163	3.7	2
1987	110	2.4	0
1988	130	2.8	1
1989	201	4.3	0
1990	227	4.7	0
1991	149	3.0	0
1992	241	4.7	0
1993	96	1.8	0
1994	140	2.6	0
1995	491	9.0	0
1996	830	14.9	1
1997	481	8.5	0
1998	406	7.1	1
1999	739	12.7	0
2000	458	7.8	1
2001	184	3.1	0
2002	575	9.5	0
2003	844	13.8	0
2004	842	13.6	0
2005	1,026	16.3	0
2006	377	5.9	1
2007	482	7.4	0
2008	460	7.0	1
2009	291	4.4	0
2010	607	9.0	2
2011	962	14.2	2
2012	4,916	72.1	0
2013	748	10.9	0
2014	600	8.6	0
2015	1,383	19.6	0
2016	618	8.6	0
2017	740	10.1	0
2018	847	11.4	0

*All incidence rates are cases per 100,000 population.

+County incidence rates not calculated for <5 cases.

Plague

Year	Cases	Rate*	Deaths
1986	0	0	0
1987	0	0	0
1988	0	0	0
1989	0	0	0
1990	0	0	0
1991	0	0	0
1992	0	0	0
1993	0	0	0
1994	0	0	0
1995	0	0	0
1996	0	0	0
1997	0	0	0
1998	0	0	0
1999	0	0	0
2000	0	0	0
2001	0	0	0
2002	0	0	0
2003	0	0	0
2004	0	0	0
2005	0	0	0
2006	0	0	0
2007	0	0	0
2008	0	0	0
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0
2014	0	0	0
2015	0	0	0
2016	0	0	0
2017	0	0	0
2018	0	0	0

*All rates are cases per 100,000 population.

Poliomyelitis

Year	Cases	Rate*	Deaths
1985	0	0	0
1986	0	0	0
1987	1‡	0	0
1988	1‡	0	0
1989	0	0	0
1990	0	0	0
1991	1‡	0	0
1992	1‡	0	0
1993	1‡	0	0
1994	0	0	0
1995	0	0	0
1996	0	0	0
1997	0	0	0
1998	0	0	0
1999	0	0	0
2000	0	0	0
2001	0	0	0
2002	0	0	0
2003	0	0	0
2004	0	0	0
2005	0	0	0
2006	0	0	0
2007	0	0	0
2008	0	0	0
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0
2014	0	0	0
2015	0	0	0
2016	0	0	0
2017	0	0	0
2018	0	0	0

*All rates are cases per 100,000 population.

‡Vaccine-associated cases.

Prion Disease, Human

Year	sCJD	Familial CJD	Iatrogenic CJD	VPSPr	GSS Syndrome	Total (Definate or Probable)
2008	17	0	0	0	0	17
2009	7	2	0	0	0	9
2010	7	1	0	0	0	8
2011	9	0	0	0	0	9
2012	14	1	0	1	0	16
2013	13	0	1	0	1	15
2014	11	1	0	0	0	12
2015	11	1	0	0	0	12
2016	17	1	0	0	0	18
2017	10	0	0	0	0	10
2018	15	0	0	0	0	15

sCJD: Spontaneous CJD

GSS: Gerstmann-Straussler-Scheinker disease

VPSPr: Variably protease-sensitive prionopath

Note: RT-QuIC testing became standard in 2015 and integrated in the case definition in 2018.

Psittacosis

Year	Cases	Rate*	Deaths
1985	3	0.1	1
1986	7	0.2	0
1987	12	0.3	0
1988	8	0.2	0
1989	4	0.1	1
1990	5	0.1	0
1991	6	0.1	0
1992	13	0.3	0
1993	4	0.1	0
1994	4	0.1	0
1995	7	0.1	0
1996	4	0.1	0
1997	0	0	0
1998	3	0.1	0
1999	0	0	0
2000	1	0	0
2001	0	0	0
2002	0	0	0
2003	0	0	0
2004	0	0	0
2005	1	0	0
2006	0	0	0
2007	0	0	0
2008	0	0	0
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0
2014	0	0	0
2015	0	0	0
2016	0	0	0
2017	0	0	0
2018	0	0	0

*All rates are cases per 100,000 population.

Q Fever

Year	Cases	Rate*	Deaths
1986	2	0	0
1987	1	0	1
1988	1	0	0
1989	0	0	0
1990	2	0	0
1991	0	0	0
1992	1	0	0
1993	0	0	0
1994	0	0	0
1995	1	0	0
1996	0	0	0
1997	0	0	0
1998	0	0	0
1999	1	0	0
2000	0	0	0
2001	0	0	0
2002	0	0	0
2003	0	0	0
2004	0	0	0
2005	2	0	0
2006	0	0	0
2007	1	0	0
2008	0	0	0
2009	1	0	0
2010	3	0	1
2011	8	0.1	0
2012	3	0	2
2013	3	0	0
2014	1	0	0
2015	3	0	0
2016	7	0.1	0
2017	2	0	0
2018	3	0	0

*All rates are cases per 100,000 population.

Rabies (Human)

Year	Cases	Rate*	Deaths
1985	0	0	0
1986	0	0	0
1987	0	0	0
1988	0	0	0
1989	0	0	0
1990	0	0	0
1991	0	0	0
1992	0	0	0
1993	0	0	0
1994	0	0	0
1995	1	0	1
1996	0	0	0
1997	1	0	1
1998	0	0	0
1999	0	0	0
2000	0	0	0
2001	0	0	0
2002	0	0	0
2003	0	0	0
2004	0	0	0
2005	0	0	0
2006	0	0	0
2007	0	0	0
2008	0	0	0
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0
2014	0	0	0
2015	0	0	0
2016	0	0	0
2017	0	0	0
2018	0	0	0

*All rates are cases per 100,000 population.

Rare Sexually Transmitted Diseases

Year	Total	Chancroid	Granuloma inguinale	Lymphogranuloma venereum
1986	1	1	0	0
1987	7	1	1	5
1988	1	0	0	1
1989	13	6	0	7
1990	3	1	1	1
1991	7	3	2	2
1992	4	2	0	2
1993	4	0	0	4
1994	4	1	0	3
1995	6	5	0	1
1996	2	1	0	1
1997	2	2	0	0
1998	1	1	0	0
1999	0	0	0	0
2000	1	0	0	1
2001	0	0	0	0
2002	1	1	0	0
2003	1	0	0	1
2004	0	0	0	0
2005	3	0	0	3
2006	0	0	0	0
2007	1	0	0	1
2008	5	1	0	4
2009	2	0	0	2
2010	3	1	0	2
2011	1	0	0	1
2012	0	0	0	0
2013	0	0	0	0
2014	0	0	0	0
2015	1	0	0	1
2016	1	0	0	1
2017	1	0	0	1
2018	2	1	0	1

Note: Data prior to 2009 are based on year reported rather than year diagnosed

Relapsing Fever

Year	Cases	Rate*	Deaths
1986	2	0	0
1987	7	0.2	1
1988	5	0.1	0
1989	5	0.1	0
1990	4	0.1	0
1991	6	0.1	0
1992	6	0.1	0
1993	2	0	0
1994	9	0.2	0
1995	12	0.2	0
1996	8	0.1	0
1997	4	0.1	0
1998	5	0.1	0
1999	3	0.1	0
2000	5	0.1	1
2001	1	0	0
2002	7	0.1	0
2003	6	0.1	0
2004	6	0.1	0
2005	6	0.1	0
2006	2	0	0
2007	9	0.1	0
2008	4	0.1	0
2009	5	0.1	0
2010	7	0.1	0
2011	11	0.2	0
2012	6	0.1	0
2013	4	0.1	0
2014	7	0.1	0
2015	3	0.1	0
2016	1	0.1	0
2017	3	0	0
2018	9	0.1	0

*All rates are cases per 100,000 population.

Rubella

Year	Cases	Rate*	Deaths
1981	108	2.6	0
1982	58	1.4	0
1983	10	0.2	0
1984	2	0	0
1985	16	0.4	0
1986	15	0.3	0
1987	2	0	0
1988	0	0	0
1989	2	0	0
1990	6	0.1	0
1991	8	0.2	0
1992	8	0.2	0
1993	3	0.1	0
1994	0	0	0
1995	2	0	0
1996	15	0.3	0
1997	5	0.1	0
1998	5	0.1	0
1999	5	0.1	0
2000	8	0.1	0
2001	0	0	0
2002	2	0	0
2003	0	0	0
2004	0	0	0
2005	1	0	0
2006	0	0	0
2007	0	0	0
2008	0	0	0
2009	0	0	0
2010	1	0	0
2011	2	0	0
2012	0	0	0
2013	1	0	0
2014	0	0	0
2015	0	0	0
2016	0	0	0
2017	0	0	0
2018	0	0	0

*All rates are cases per 100,000 population.

Salmonellosis

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	1	+	2	10.3	1	+	2	+	2	+
Asotin	2	+	0	0	1	+	1	+	1	+
Benton	23	12.5	26	13.8	25	13.1	24	12.4	15	7.6
Chelan	5	6.7	6	8	4	+	3	+	9	11.6
Clallam	4	+	5	6.9	7	9.5	3	+	9	12.0
Clark	58	13.1	49	10.8	77	16.7	66	14.0	64	13.3
Columbia	1	+	0	0	0	0	1	+	0	0
Cowlitz	14	13.5	15	14.4	14	13.4	10	9.4	17	15.8
Douglas	0	0	2	+	3	+	2	+	1	+
Ferry	2	+	0	0	1	+	0	0	0	0
Franklin	10	11.5	11	12.6	11	12.4	5	5.5	6	6.5
Garfield	1	+	1	+	0	0	0	0	1	+
Grant	12	12.9	10	10.6	3	+	13	13.6	9	9.2
Grays Harbor	5	6.8	5	6.8	4	+	8	11.0	6	8.2
Island	7	8.8	6	7.4	3	+	7	8.5	6	7.2
Jefferson	1	+	1	+	5	16.1	2	+	2	+
King	229	11.4	435	21.2	234	11.1	242	11.2	310	14.2
Kitsap	29	11.3	22	8.5	23	8.8	21	8.0	19	7.1
Kittitas	2	+	6	14.1	5	11.4	9	20.1	1	+
Klickitat	4	+	2	+	3	+	3	+	2	+
Lewis	12	15.7	8	10.4	6	7.8	11	14.2	5	6.4
Lincoln	0	0	1	+	1	+	1	+	0	0
Mason	6	9.7	9	14.5	7	11.2	4	+	2	+
Okanogan	4	+	1	+	4	+	4	+	2	+
Pacific	0	0	2	+	3	+	2	+	0	0
Pend Oreille	1	+	0	0	0	0	0	0	0	0
Pierce	77	9.4	95	11.4	101	12.0	116	13.5	76	8.7
San Juan	2	+	8	49.4	1	+	0	0	2	+
Skagit	9	7.5	6	5	6	4.9	14	11.3	17	13.4
Skamania	0	0	2	+	0	0	0	0	2	+
Snohomish	89	12	120	15.8	78	10.1	80	10.1	94	11.7
Spokane	30	6.2	45	9.2	40	8.1	46	9.2	38	7.5
Stevens	5	11.4	5	11.4	4	+	6	13.5	2	+
Thurston	22	8.3	40	15.0	19	7.0	27	9.8	27	9.6
Wahkiakum	0	0	0	0	0	0	0	0	0	0
Walla Walla	2	+	8	13.2	7	11.5	6	9.8	5	8.1
Whatcom	15	7.2	26	12.4	23	10.8	18	8.3	27	12.3
Whitman	4	+	6	12.7	0	0	0	0	1	+
Yakima	53	21.3	48	19.2	30	12.0	53	20.9	48	18.9
State Totals	741	10.6	1,034	14.6	754	10.5	810	11.1	828	11.1

Statewide by Year

Year	Cases	Rate*	Deaths
1980	462	11.2	0
1981	574	13.6	5
1982	749	17.5	0
1983	739	17.2	0
1984	515	11.8	0
1985	565	12.8	0
1986	783	17.5	2
1987	660	14.6	1
1988	612	13.3	0
1989	630	13.3	2
1990	634	13.0	6
1991	791	15.8	1
1992	609	11.8	1
1993	830	15.8	0
1994	863	16.1	0
1995	691	12.6	0
1996	734	13.2	0
1997	675	11.9	0
1998	703	12.2	2
1999	792	13.6	2
2000	659	11.2	1
2001	681	11.4	2
2002	655	10.8	0
2003	699	11.4	1
2004	660	10.6	2
2005	626	9.9	0
2006	627	9.8	3
2007	758	11.6	2
2008	846	12.8	3
2009	820	12.3	2
2010	780	11.6	3
2011	589	8.7	2
2012	842	12.4	0
2013	671	9.7	1
2014	741	10.6	2
2015	1,034	14.6	1
2016	754	10.5	2
2017	810	11.1	4
2018	828	11.1	3

*All incidence rates are cases per 100,000 population.

+County incidence rates not calculated for <5 cases.

Shellfish Poisoning: Paralytic, Domoic Acid, Diarrhetic

Year	Cases	Rate*	Deaths
1985	3	0.1	0
1986	0	0	0
1987	0	0	0
1988	7	0.2	0
1989	0	0	0
1990	0	0	0
1991	0	0	0
1992	0	0	0
1993	0	0	0
1994	0	0	0
1995	0	0	0
1996	0	0	0
1997	0	0	0
1998	5	0.1	0
1999	0	0	0
2000	7	0.1	0
2001	0	0	0
2002	0	0	0
2003	0	0	0
2004	0	0	0
2005	1	0	0
2006	1	0	0
2007	0	0	0
2008	0	0	0
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	9	0.1	0
2013	0	0	0
2014	0	0	0
2015	1	0	0
2016	0	0	0
2017	0	0	0
2018	0	0	0

*All rates are cases per 100,000 population.

Shiga Toxin-Producing *Escherichia Coli* (STEC)

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	1	5.2	3	+	0	0	0	0	1	+
Asotin	1	4.6	1	+	0	0	1	+	0	0
Benton	9	4.9	8	4.2	12	6.3	11	5.7	10	5.1
Chelan	3	4.0	4	+	1	+	2	+	4	+
Clallam	0	0	2	+	0	0	4	+	2	+
Clark	27	6.1	45	10.0	25	5.4	38	8.1	27	5.6
Columbia	0	0	0	0	0	0	0	0	0	0
Cowlitz	3	+	8	7.7	3	+	6	5.7	5	4.7
Douglas	0	0	1	+	0	0	0	0	2	+
Ferry	0	0	0	0	0	0	0	0	1	+
Franklin	6	6.9	2	+	4	+	0	0	6	6.5
Garfield	1	+	1	+	1	+	0	0	1	+
Grant	5	5.4	9	9.6	3	+	7	7.3	5	5.1
Grays Harbor	5	6.8	4	+	1	+	1	+	2	+
Island	2	+	3	+	0	0	2	+	4	+
Jefferson	0	0	2	+	0	0	3	+	5	15.8
King	93	4.6	113	5.5	121	5.7	129	6.0	198	9.0
Kitsap	9	3.5	3	+	5	1.9	6	2.3	11	4.1
Kittitas	7	16.6	4	+	4	+	9	20.1	4	+
Klickitat	2	+	0	0	0	0	2	+	1	+
Lewis	8	10.5	6	7.8	7	9.1	3	+	6	7.7
Lincoln	1	+	1	+	0	0	1	+	0	0
Mason	1	+	0	0	3	+	2	+	2	+
Okanogan	2	+	1	+	1	+	2	+	3	+
Pacific	0	0	0	0	0	0	1	+	0	0
Pend Oreille	0	0	0	0	2	+	0	0	1	+
Pierce	16	1.9	26	3.1	33	3.9	41	4.8	45	5.2
San Juan	0	0	0	0	4	+	1	+	4	+
Skagit	11	9.2	12	9.9	10	8.2	9	7.3	18	14.2
Skamania	0	0	0	0	0	0	0	0	0	0
Snohomish	22	3.0	35	4.6	26	3.4	32	4.1	49	6.1
Spokane	16	3.3	17	3.5	17	3.5	22	4.4	26	5.1
Stevens	1	+	2	+	2	+	0	0	2	+
Thurston	14	5.3	8	3.0	13	4.8	16	5.8	31	11.0
Wahkiakum	0	0	0	0	0	0	0	0	0	0
Walla Walla	1	+	1	+	1	+	1	+	4	+
Whatcom	17	8.2	75	35.8	17	8.0	24	11.1	16	7.3
Whitman	0	0	2	+	1	+	0	0	1	+
Yakima	15	6.0	20	8.0	23	9.2	28	11.1	43	16.9
State Totals	299	4.3	419	5.9	340	4.7	404	5.5	540	7.3

Statewide by Year

Year	Cases	Rate*	Deaths
1988	167	3.6	0
1989	157	3.3	1
1990	220	4.5	0
1991	164	3.3	0
1992	300	5.8	2
1993	741	14.1	3
1994	174	3.2	2
1995	140	2.6	1
1996	187	3.4	1
1997	149	2.6	0
1998	144	2.5	0
1999	186	3.2	0
2000	237	4.0	0
2001	150	2.5	0
2002	166	2.7	0
2003	128	2.1	0
2004	153	2.5	3
2005	149	2.4	0
2006	162	2.5	0
2007	141	2.2	0
2008	189	2.9	1
2009	206	3.1	0
2010	226	3.4	1
2011	203	3.0	1
2012	239	3.5	0
2013	330	4.8	3
2014	229	4.3	2
2015	419	5.9	1
2016	340	4.7	0
2017	404	5.5	1
2018	540	7.3	2

*All incidence rates are cases per 100,000 population.

+County incidence rates not calculated for <5 cases.

Shigellosis

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	4	20.6	5	25.8	19	97.4	4	+	3	+
Asotin	0	0	0	0	0	0	1	+	0	0
Benton	3	+	2	+	1	+	5	2.6	6	3.0
Chelan	2	+	1	+	2	+	2	+	3	+
Clallam	0	0	0	0	1	+	2	+	2	+
Clark	14	3.2	10	2.2	11	2.4	14	3.0	13	2.7
Columbia	0	0	0	0	0	0	0	0	0	0
Cowlitz	0	0	2	+	2	+	0	0	2	+
Douglas	0	0	1	+	0	0	1	+	1	+
Ferry	0	0	0	0	0	0	0	0	0	0
Franklin	0	0	1	+	3	+	0	0	2	+
Garfield	0	0	0	0	0	0	0	0	0	0
Grant	1	+	7	7.5	1	+	1	+	3	+
Grays Harbor	0	0	0	0	0	0	6	8.2	3	+
Island	0	0	2	+	0	0	1	+	1	+
Jefferson	0	0	0	0	0	0	1	+	2	+
King	71	3.5	78	3.8	82	3.9	160	7.4	268	12.2
Kitsap	2	+	6	2.3	1	+	5	1.9	7	2.6
Kittitas	0	0	2	+	0	0	0	0	1	+
Klickitat	0	0	0	0	0	0	0	0	0	0
Lewis	0	0	0	0	1	+	0	0	0	0
Lincoln	0	0	0	0	0	0	0	0	0	0
Mason	0	0	0	0	1	+	0	0	1	+
Okanogan	0	0	0	0	0	0	2	+	0	0
Pacific	0	0	0	0	0	0	0	0	0	0
Pend Oreille	0	0	0	0	1	+	0	0	0	0
Pierce	6	0.7	14	1.7	9	1.1	22	2.6	20	2.3
San Juan	1	+	0	0	1	+	0	0	0	0
Skagit	4	+	0	0	1	+	9	7.3	7	5.5
Skamania	0	0	0	0	0	0	0	0	0	0
Snohomish	13	1.8	15	2	18	2.3	19	2.4	35	4.3
Spokane	11	2.3	2	+	10	2.0	8	1.6	7	1.4
Stevens	0	0	0	0	0	0	0	0	2	+
Thurston	5	1.9	1	+	3	+	3	+	9	3.2
Wahkiakum	0	0	0	0	0	0	0	0	0	0
Walla Walla	0	0	0	0	0	0	1	+	0	0
Whatcom	4	+	1	+	6	2.8	5	2.3	2	+
Whitman	1	+	1	+	0	0	0	0	1	+
Yakima	15	6	1	+	17	6.8	13	5.1	18	7.1
State Totals	157	2.3	152	2.2	191	2.7	285	3.9	419	5.6

Statewide by Year

Year	Cases	Rate*	Deaths
1980	287	6.9	0
1981	426	10.1	1
1982	284	6.6	0
1983	370	8.6	0
1984	224	5.1	0
1985	144	3.3	0
1986	321	7.2	0
1987	318	7.0	0
1988	306	6.6	0
1989	232	4.9	0
1990	278	5.7	0
1991	405	8.1	0
1992	439	8.5	0
1993	797	15.1	0
1994	478	8.9	0
1995	426	7.8	0
1996	333	6.0	1
1997	318	5.6	0
1998	277	4.8	0
1999	172	2.9	0
2000	501	8.5	0
2001	236	4.0	0
2002	230	3.8	0
2003	188	3.1	0
2004	133	2.1	0
2005	185	2.9	0
2006	170	2.6	0
2007	159	2.4	0
2008	116	1.8	0
2009	153	2.3	0
2010	112	1.7	0
2011	104	1.5	0
2012	133	2.0	0
2013	122	1.8	0
2014	157	2.3	0
2015	152	2.2	0
2016	191	2.7	0
2017	285	3.9	0
2018	419	5.6	0

*All incidence rates are cases per 100,000 population.

+County incidence rates not calculated for <5 cases.

Syphilis (Primary and Secondary)

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	2	+	0	+	0	+	1	+	0	+
Asotin	0	+	0	+	0	+	1	+	0	+
Benton	18	9.7	13	+	4	+	6	+	9	+
Chelan	0	+	1	+	1	+	3	+	2	+
Clallam	1	+	1	+	2	+	5	+	2	+
Clark	20	4.5	21	4.7	21	4.6	33	7	33	6.9
Columbia	1	+	0	+	0	+	0	+	1	+
Cowlitz	8	+	4	+	3	+	21	19.8	27	25.2
Douglas	0	+	0	+	1	+	0	+	1	+
Ferry	0	+	0	+	0	+	0	+	0	+
Franklin	6	+	6	+	3	+	2	+	4	+
Garfield	0	+	0	+	0	+	0	+	0	+
Grant	4	+	9	+	9	+	4	+	2	+
Grays Harbor	3	+	0	+	1	+	3	+	13	+
Island	1	+	0	+	0	+	2	+	1	+
Jefferson	0	+	0	+	0	+	1	+	1	+
King	173	8.6	250	12.3	292	13.9	323	15	397	18.1
Kitsap	6	+	6	+	14	+	18	6.8	24	9.0
Kittitas	1	+	3	+	0	+	3	+	0	+
Klickitat	0	+	0	+	1	+	1	+	2	+
Lewis	1	+	1	+	0	+	5	+	6	+
Lincoln	0	+	0	+	0	+	0	+	0	+
Mason	0	+	4	+	6	+	5	+	10	+
Okanogan	0	+	1	+	1	+	2	+	4	+
Pacific	0	+	0	+	2	+	1	+	1	+
Pend Oreille	0	+	0	+	1	+	1	+	2	+
Pierce	30	3.7	41	5	58	6.9	63	7.3	66	7.6
San Juan	0	+	0	+	0	+	1	+	0	+
Skagit	2	+	5	+	4	+	2	+	3	+
Skamania	1	+	1	+	1	+	0	+	0	+
Snohomish	27	3.6	25	3.4	48	6.2	53	6.7	43	5.3
Spokane	11	+	28	5.7	60	12.2	78	15.6	104	20.5
Stevens	0	+	1	+	1	+	0	+	4	+
Thurston	2	+	9	+	6	+	8	+	18	6.4
Wahkiakum	0	+	0	+	1	+	1	+	0	+
Walla Walla	1	+	3	+	3	+	5	+	6	+
Whatcom	2	+	6	+	8	+	6	+	9	+
Whitman	1	+	1	+	3	+	2	+	2	+
Yakima	15	+	7	+	11	+	14	+	12	+
State Totals	337	4.8	452	6.5	566	7.9	674	9.2	809	10.9

*All incidence rates are cases per 100,000 population.

+County incidence rates based on counts ≤16 are suppressed due to statistical instability.

Data source: PHIMS-STD 4/1/2019

Statewide by Year

Year	Cases	Rate*	Deaths
1982	172	4.0	0
1983	196	4.6	0
1984	158	3.6	2
1985	115	2.6	2
1986	194	4.3	0
1987	176	3.9	0
1988	265	5.7	0
1989	461	9.8	0
1990	354	7.3	0
1991	178	3.5	0
1992	85	1.7	0
1993	67	1.3	0
1994	36	0.7	0
1995	17	0.3	0
1996	9	0.2	0
1997	17	0.3	0
1998	44	0.8	0
1999	77	1.3	0
2000	66	1.1	0
2001	57	1.0	0
2002	70	1.2	0
2003	82	1.3	0
2004	150	2.4	0
2005	152	2.4	0
2006	182	2.8	0
2007	168	2.6	0
2008	181	2.7	0
2009	135	2.0	0
2010	261	3.9	0
2011	329	4.9	0
2012	300	4.4	0
2013	285	4.1	0
2014	337	4.8	0
2015	452	6.5	0
2016	566	7.9	0
2017	674	9.2	0
2018	809	10.9	0

Note: Data prior to 2009 are based on year reported not year diagnosed.

Tetanus

Year	Cases	Rate*	Deaths
1985	0	0	0
1986	0	0	0
1987	1	0	0
1988	1	0	0
1989	1	0	0
1990	1	0	0
1991	1	0	0
1992	3	0.1	0
1993	1	0	0
1994	1	0	0
1995	0	0	0
1996	1	0	0
1997	1	0	0
1998	0	0	0
1999	0	0	0
2000	1	0	0
2001	0	0	0
2002	0	0	0
2003	0	0	0
2004	0	0	0
2005	1	0	0
2006	0	0	0
2007	0	0	0
2008	0	0	0
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	1	0	0
2013	0	0	0
2014	3	0	1
2015	0	0	0
2016	0	0	0
2017	0	0	0
2018	1	0	0

*All rates are cases per 100,000 population.

Trichinosis

Year	Cases	Rate*	Deaths
1986	0	0	0
1987	0	0	0
1988	0	0	0
1989	2	0	0
1990	1	0	0
1991	0	0	0
1992	1	0	0
1993	1	0	0
1994	0	0	0
1995	0	0	0
1996	0	0	0
1997	0	0	0
1998	0	0	0
1999	0	0	0
2000	1	0	0
2001	0	0	0
2002	0	0	0
2003	0	0	0
2004	0	0	0
2005	0	0	0
2006	1	0	0
2007	0	0	0
2008	0	0	0
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	0	0	0
2014	2	0	0
2015	1	0	0
2016	0	0	0
2017	1	0	0
2018	0	0	0

*All rates are cases per 100,000 population.

Tuberculosis (TB)

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	0	0	0	0	1	+	0	0	1	+
Asotin	0	0	0	0	0	0	0	0	0	0
Benton	2	+	3	+	2	+	4	+	2	+
Chelan	0	0	3	+	2	+	0	0	2	+
Clallam	0	0	0	0	1	+	1	+	0	0
Clark	15	3.4	6	1.3	8	1.7	10	2.1	6	1.3
Columbia	0	0	0	0	0	0	0	0	0	0
Cowlitz	3	+	2	+	0	0	0	0	1	+
Douglas	0	0	2	+	1	+	1	+	0	0
Ferry	0	0	0	0	0	0	0	0	0	0
Franklin	4	+	3	+	3	+	1	+	3	+
Garfield	0	0	0	0	0	0	0	0	0	0
Grant	1	+	0	0	1	+	1	+	0	0
Grays Harbor	0	0	0	0	1	+	1	+	0	0
Island	0	0	0	0	0	0	0	0	2	+
Jefferson	0	0	0	0	0	0	0	0	0	0
King	100	5.0	95	4.6	102	4.8	97	4.5	94	4.3
Kitsap	5	2.0	5	1.9	1	+	5	1.9	1	+
Kittitas	0	0	1	+	0	0	0	0	1	+
Klickitat	0	0	0	0	1	+	0	0	0	0
Lewis	0	0	1	+	2	+	2	+	2	+
Lincoln	0	0	0	0	0	0	0	0	0	0
Mason	0	0	1	+	1	+	2	+	0	0
Okanogan	1	+	1	+	2	+	3	+	0	0
Pacific	1	+	2	+	0	0	0	0	1	+
Pend Oreille	0	0	0	0	0	0	0	0	0	0
Pierce	12	1.5	14	1.7	21	2.5	17	2.0	19	2.2
San Juan	0	0	0	0	0	0	0	0	0	0
Skagit	2	+	5	4.1	0	0	2	+	1	+
Skamania	1	+	0	0	0	0	0	0	0	0
Snohomish	19	2.6	31	4.1	30	3.9	29	3.7	21	2.6
Spokane	5	1.0	2	+	2	+	2	+	11	2.2
Stevens	0	0	0	0	0	0	0	0	0	0
Thurston	7	2.7	6	2.2	7	2.6	3	+	5	1.8
Wahkiakum	0	0	0	0	0	0	0	0	0	0
Walla Walla	0	0	1	+	0	0	0	0	0	0
Whatcom	4	+	7	3.3	2	+	6	2.8	5	2.3
Whitman	0	0	1	+	0	0	0	0	0	0
Yakima	11	4.4	12	4.8	7	2.8	7	2.8	5	2.0
State Totals	194	2.8	207	2.9	204	2.8	207	2.8	189	2.5

*All incidence rates are cases per 100,000 population.

+County incidence are suppressed for <5 cases due to inherent instability of resulting estimate.

Statewide by Year

Year	Cases	Rate*	Deaths
1980	424	10.3	13
1981	401	9.5	15
1982	301	7.0	6
1983	239	5.5	10
1984	207	4.8	6
1985	220	5.0	5
1986	218	4.9	3
1987	255	5.6	10
1988	236	5.1	9
1989	248	5.2	4
1990	284	5.8	12
1991	309	6.2	7
1992	306	6.0	7
1993	283	5.5	7
1994	260	4.9	6
1995	277	5.1	2
1996	283	5.2	3
1997	304	5.4	6
1998	265	4.7	5
1999	258	4.5	5
2000	257	4.4	2
2001	261	4.4	6
2002	252	4.2	4
2003	250	4.1	11
2004	245	3.9	9
2005	255	4.0	14
2006	262	4.1	18
2007	291	4.5	12
2008	228	3.5	2
2009	255	3.8	6
2010	233	3.5	7
2011	197	2.9	7
2012	185	2.7	5
2013	210	3.1	6
2014	194	2.8	4
2015	207	2.9	5
2016	204	2.8	9
2017	207	2.8	4
2018	189	2.5	10

Tuberculosis-related deaths include:

1. Cases deceased at diagnosis, TB reported among cause(s) of death; and

2. Cases stopping treatment prematurely, reason for stopping reported as TB-related death

Note: TB-related death events are reported here as per year of death in the TB surveillance record.

Tularemia

Year	Cases	Rate*	Deaths
1986	1	0	0
1987	4	0.1	0
1988	1	0	0
1989	2	0	0
1990	4	0.1	0
1991	2	0	0
1992	2	0	0
1993	2	0	0
1994	1	0	0
1995	4	0.1	0
1996	2	0	0
1997	2	0	0
1998	8	0.1	0
1999	2	0	0
2000	2	0	0
2001	5	0.1	0
2002	3	0	0
2003	2	0	0
2004	4	0.1	0
2005	10	0.2	0
2006	1	0	0
2007	1	0	0
2008	4	0.1	0
2009	5	0.1	1
2010	3	0	0
2011	5	0.1	0
2012	5	0.1	0
2013	5	0.1	0
2014	4	0.1	0
2015	4	0.1	0
2016	1	0	0
2017	6	0.1	0
2018	4	0.1	0

*All rates are cases per 100,000 population.

Typhoid Fever

Year	Cases	Rate*	Deaths
1985	3	0.1	0
1986	3	0.1	0
1987	9	0.2	0
1988	13	0.3	0
1989	11	0.2	0
1990	22	0.5	0
1991	10	0.2	0
1992	11	0.2	0
1993	8	0.2	0
1994	12	0.2	0
1995	4	0.1	0
1996	4	0.1	0
1997	7	0.1	0
1998	8	0.1	0
1999	8	0.1	0
2000	6	0.1	0
2001	7	0.1	0
2002	7	0.1	0
2003	4	0.1	0
2004	6	0.1	0
2005	11	0.2	0
2006	7	0.1	0
2007	7	0.1	0
2008	15	0.2	0
2009	4	0.1	0
2010	22	0.3	0
2011	9	0.1	0
2012	11	0.2	0
2013	11	0.2	0
2014	15	0.2	0
2015	10	0.1	0
2016	13	0.2	0
2017	14	0.2	0
2018	12	0.2	0

*All rates are cases per 100,000 population.

Vibriosis

Year	Cases	Rate*	Deaths
1985	4	0.1	0
1986	7	0.2	0
1987	18	0.4	0
1988	11	0.2	0
1989	4	0.1	0
1990	30	0.6	0
1991	4	0.1	0
1992	7	0.1	0
1993	33	0.6	0
1994	9	0.2	0
1995	6	0.1	0
1996	3	0.1	0
1997	58	1.0	0
1998	41	0.7	0
1999	21	0.4	0
2000	20	0.3	0
2001	9	0.2	0
2002	25	0.4	0
2003	18	0.3	0
2004	28	0.5	0
2005	20	0.3	0
2006	80	1.2	0
2007	25	0.4	0
2008	29	0.4	0
2009	48	0.7	0
2010	59	0.9	0
2011	45	0.7	0
2012	67	1.0	0
2013	90	1.3	0
2014	92	1.3	0
2015	68	1.0	0
2016	63	0.9	1
2017	95	1.3	0
2018	217	2.9	1

*All rates are cases per 100,000 population.

Yersiniosis

County	2014 Cases	2014 Rate*	2015 Cases	2015 Rate*	2016 Cases	2016 Rate*	2017 Cases	2017 Rate*	2018 Cases	2018 Rate*
Adams	0	0	0	0	0	0	0	0	0	0
Asotin	0	0	0	0	0	0	0	0	0	0
Benton	0	0	2	+	1	+	0	0	0	0
Chelan	0	0	1	+	0	0	0	0	0	0
Clallam	0	0	0	0	0	0	0	0	0	0
Clark	5	1.1	0	0	9	2	4	+	7	1.5
Columbia	0	0	0	0	0	0	1	+	0	0
Cowlitz	0	0	0	0	1	+	1	+	0	0
Douglas	0	0	1	+	0	0	0	0	0	0
Ferry	0	0	0	0	0	0	0	0	0	0
Franklin	1	+	2	+	1	+	0	0	1	+
Garfield	0	0	0	0	0	0	0	0	0	0
Grant	0	0	0	0	0	0	0	0	0	0
Grays Harbor	0	0	1	+	0	0	1	+	1	+
Island	0	0	0	0	0	0	0	0	2	+
Jefferson	0	0	0	0	0	0	3	+	0	0
King	17	0.8	16	0.8	20	1	42	2	39	1.8
Kitsap	5	2	1	+	0	0	4	+	3	+
Kittitas	1	+	0	0	0	0	1	+	0	0
Klickitat	0	0	1	+	1	+	0	0	0	0
Lewis	1	+	0	0	1	+	1	+	0	0
Lincoln	0	0	0	0	0	0	1	+	0	0
Mason	0	0	0	0	1	+	2	+	1	+
Okanogan	0	0	0	0	0	0	0	0	0	0
Pacific	1	+	0	0	0	0	0	0	0	0
Pend Oreille	0	0	0	0	0	0	0	0	0	0
Pierce	0	0	4	+	7	0.8	5	0.6	5	0.6
San Juan	0	0	2	+	1	+	0	0	2	+
Skagit	0	0	1	+	2	+	1	+	2	+
Skamania	0	0	0	0	0	0	0	0	0	0
Snohomish	3	+	3	+	6	0.8	9	1.0	8	1.0
Spokane	1	+	2	+	0	0	3	+	2	+
Stevens	0	0	0	0	0	0	0	0	0	0
Thurston	0	0	0	0	3	+	0	0	2	+
Wahkiakum	0	0	0	0	0	0	0	0	0	0
Walla Walla	0	0	0	0	0	0	1	+	1	+
Whatcom	1	+	0	0	1	+	1	+	2	+
Whitman	0	0	0	0	0	0	0	0	0	0
Yakima	0	0	3	+	1	+	0	0	1	+
State Totals	36	0.5	40	0.6	56	0.8	81	1.1	79	1.1

Statewide by Year

Year	Cases	Rate*	Deaths
1988	15	0.3	0
1989	40	0.8	0
1990	37	0.8	0
1991	28	0.6	0
1992	34	0.7	0
1993	50	0.9	0
1994	40	0.7	0
1995	50	0.9	0
1996	37	0.7	0
1997	30	0.5	0
1998	39	0.7	0
1999	32	0.5	0
2000	33	0.6	0
2001	23	0.4	0
2002	26	0.4	0
2003	28	0.5	0
2004	34	0.5	0
2005	19	0.3	0
2006	22	0.3	0
2007	28	0.4	0
2008	19	0.3	1
2009	15	0.2	0
2010	25	0.4	0
2011	21	0.3	0
2012	36	0.5	0
2013	34	0.5	0
2014	36	0.5	0
2015	40	0.6	0
2016	56	0.8	0
2017	81	1.1	0
2018	79	1.1	0

*All incidence rates are cases per 100,000 population.

+County incidence rates not calculated for <5 cases.

Appendix I: Other Tables

Foodborne Disease Outbreaks 2018

#	Local Health Jurisdiction	Month of 1st Illness Onset	Illness Agent	Total # Cases	Implicated Food	Contributing Factors	Setting
1	King	Prior to 2018	*Salmonella* I 4,[5],12:i:-	7	Undetermined	C9-Cross-contamination of ingredients (cross-contamination does not include ill food workers), C15-Other source of contamination	Grocery store
2	King	January	Norovirus	10	Undetermined	C10- Bare-hand contact by a food handler/worker/preparer who is suspected to be infectious, C11-Glove-hand contact by a food handler/worker/preparer who is suspected to be infectious	Restaurant - Sit-down dining
3	King	January	Norovirus	3	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed	Restaurant - Sit-down dining
4	Multistate	January	*Salmonella* Infantis	2	Chicken	C6-Contaminated raw product- food was intended to be consumed after a kill step	Distributed Product
5	Mason	February	*Clostridium perfringens*	8	Beans and rice	P2-No attempt was made to control the temperature of implicated food or the length of time food was out of temperature control (during food service or display of food), P7-Improper hot holding due to improper procedure or protocol, P8-Improper/slow cooling, S2-Insufficient time and/or temperature during reheating	Restaurant - Sit-down dining
6	King	March	*Shigella sonnei*	61	Tomato, basil and mozzarella salad, roasted vegetables, lox	C10- Bare-hand contact by a food handler/worker/preparer who is suspected to be infectious, C11-Glove-hand contact by a food handler/worker/preparer who is suspected to be infectious, C15-Other source of contamination, S4-Insufficient or improper use of chemical processes designed for pathogen destruction	Religious facility
7	Multistate	March	*Escherichia coli*, Shiga toxin-producing O157:H7	9	Romaine lettuce, unspecified	Unknown	Distributed Product
8	Multistate	March	*Salmonella* Mbandaka	3	Cereal, puffed wheat	Unknown	Distributed Product
9	Skagit	March	Norovirus	11	Undetermined	C10- Bare-hand contact by a food handler/worker/preparer who is suspected to be infectious, C15-Other source of contamination	Restaurant - Sit-down dining

#	Local Health Jurisdiction	Month of 1st Illness Onset	Illness Agent	Total # Cases	Implicated Food	Contributing Factors	Setting
10	Snohomish	April	Norovirus	22	Undetermined	C10- Bare-hand contact by a food handler/worker/preparer who is suspected to be infectious	Restaurant - Sit-down dining
11	Snohomish	April	Norovirus	11	Undetermined	C10- Bare-hand contact by a food handler/worker/preparer who is suspected to be infectious	Restaurant - Sit-down dining/ Caterer
12	Pierce	April	Norovirus GII.P7-GII.7	40	Undetermined	C10- Bare-hand contact by a food handler/worker/preparer who is suspected to be infectious, C11-Glove-hand contact by a food handler/worker/preparer who is suspected to be infectious, C15-Other source of contamination, S4-Insufficient or improper use of chemical processes designed for pathogen destruction	Restaurant - Sit-down dining
13	King	April	*Escherichia coli*, Shiga toxin-producing O26	4	Pesto	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed	Restaurant - Sit-down dining
14	Snohomish	April	Unknown	5	Spicy raw oysters	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed, C8-Foods originating from sources shown to be contaminated or polluted (such as a growing field or harvest area), C9-Cross-contamination of ingredients (cross-contamination does not include ill food workers), C14- Storage in contaminated environment, C15-Other source of contamination	Grocery store
15	King	April	*Vibrio parahaemolyticus*	2	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed, P4-Improper cold holding due to malfunctioning refrigeration equipment	Restaurant - Sit-down dining
16	King	April	Bacterial Toxin	3	Undetermined	P4-Improper cold holding due to malfunctioning refrigeration equipment, P5-Improper cold holding due to an improper procedure or protocol	Restaurant - Sit-down dining
17	Yakima	April	Norovirus	17	Undetermined	C10- Bare-hand contact by a food handler/worker/preparer who is suspected to be infectious	Restaurant - Sit-down dining
18	Skagit	April	*Clostridium perfringens*	3	Beans and rice	P4-Improper cold holding due to malfunctioning refrigeration equipment, P5-Improper cold holding due to an improper procedure or protocol, P8-Improper/slow cooling	Restaurant - Sit-down dining

#	Local Health Jurisdiction	Month of 1st Illness Onset	Illness Agent	Total # Cases	Implicated Food	Contributing Factors	Setting
19	King	May	Norovirus	34	Undetermined	C10- Bare-hand contact by a food handler/worker/preparer who is suspected to be infectious	Restaurant - Sit-down dining
20	King	May	Norovirus	17	Undetermined	C10- Bare-hand contact by a food handler/worker/preparer who is suspected to be infectious, C11-Glove-hand contact by a food handler/worker/preparer who is suspected to be infectious, C13-Foods contaminated by non-food handler/worker/preparer who is suspected to be infectious, S4-Insufficient or improper use of chemical processes designed for pathogen destruction	Restaurant - Sit-down dining
21	King	May	Norovirus	5	Multiple	C10- Bare-hand contact by a food handler/worker/preparer who is suspected to be infectious, C11-Glove-hand contact by a food handler/worker/preparer who is suspected to be infectious, S4-Insufficient or improper use of chemical processes designed for pathogen destruction	Restaurant - Sit-down dining
22	King	May	Norovirus	45	Undetermined	C10- Bare-hand contact by a food handler/worker/preparer who is suspected to be infectious, C11-Glove-hand contact by a food handler/worker/preparer who is suspected to be infectious, C15-Other source of contamination, S4-Insufficient or improper use of chemical processes designed for pathogen destruction	Restaurant - Sit-down dining
23	Skagit	June	*Salmonella* Typhimurium	9	Fresh produce	C9-Cross-contamination of ingredients (cross-contamination does not include ill food workers), C14- Storage in contaminated environment, S4-Insufficient or improper use of chemical processes designed for pathogen destruction	Restaurant - other or unknown type
24	Multistate	June	*Salmonella* Bareilly	5	Undetermined	Unknown	Unknown
25	King	June	Bacterial Toxin	17	Undetermined	P2-No attempt was made to control the temperature of implicated food or the length of time food was out of temperature control (during food service or display of food),P4-Improper cold holding due to malfunctioning refrigeration equipment, P6-Improper hot holding due to malfunctioning equipment, P8-Improper/slow cooling, S1-Insufficient time and/or temperature control during initial cooking/heat processing, S2-Insufficient time and/or temperature during reheating	Restaurant - Sit-down dining

#	Local Health Jurisdiction	Month of 1st Illness Onset	Illness Agent	Total # Cases	Implicated Food	Contributing Factors	Setting
26	King	June	*Vibrio parahaemolyticus*	2	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed	Restaurant - Sit-down dining
27	King	June	*Vibrio parahaemolyticus*	2	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed	Restaurant - Sit-down dining
28	Multistate	June	*Escherichia coli*, Shiga toxin-producing O26	6	Undetermined	Unknown	Unknown
29	King	June	*Vibrio parahaemolyticus*	3	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed, P4-Improper cold holding due to malfunctioning refrigeration equipment	Restaurant - Sit-down dining
30	Pierce/Clark	July	*Vibrio parahaemolyticus*	13	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed, P4-Improper cold holding due to malfunctioning refrigeration equipment	Restaurant - Sit-down dining
31	King	July	*Salmonella* Enteritidis	4	Undetermined	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed, C9-Cross-contamination of ingredients (cross-contamination does not include ill food workers)	Restaurant - Sit-down dining
32	Pierce	July	Norovirus Genogroup II	22	Undetermined	C10- Bare-hand contact by a food handler/worker/preparer who is suspected to be infectious, C11-Glove-hand contact by a food handler/worker/preparer who is suspected to be infectious, C15-Other source of contamination	Restaurant - Sit-down dining
33	Multistate	July	*Escherichia coli*, Shiga toxin-producing O157:H7	2	Ground beef	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed, S1-Insufficient time and/or temperature control during initial cooking/heat processing	Distributed Product
34	King	July	*Vibrio parahaemolyticus*	2	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed, P4-Improper cold holding due to malfunctioning refrigeration equipment	Restaurant - Sit-down dining

#	Local Health Jurisdiction	Month of 1st Illness Onset	Illness Agent	Total # Cases	Implicated Food	Contributing Factors	Setting
35	Benton-Franklin	July	*Salmonella* spp.	6	Fried Chicken	S1-Insufficient time and/or temperature control during initial cooking/heat processing	Restaurant - "Fast-food"(drive up service or pay at counter)
36	King	July	*Vibrio parahaemolyticus*	3	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed	Restaurant - Sit-down dining
37	King	July	*Vibrio* spp.	2	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed	Restaurant - Sit-down dining
38	King	July	*Vibrio parahaemolyticus*	2	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed	Restaurant - Sit-down dining
39	King	July	*Vibrio parahaemolyticus*	3	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed	Restaurant - Sit-down dining
40	King	July	*Vibrio parahaemolyticus*	8	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed	Restaurant - Sit-down dining
41	Pierce	August	Norovirus GII.P7-GII.7	8	Undetermined	C10- Bare-hand contact by a food handler/worker/preparer who is suspected to be infectious, C15-Other source of contamination	Restaurant - Sit-down dining
42	King	August	*Salmonella* Braenderup	10	Undetermined	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed, C9-Cross-contamination of ingredients (cross-contamination does not include ill food workers)	Restaurant - Sit-down dining
43	Island, Clallam	August	*Escherichia coli*, Shiga toxin-producing O121	2	Raw Milk	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed	Farm/dairy
44	King	August	*Vibrio parahaemolyticus*	3	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed, P4-Improper cold holding due to malfunctioning refrigeration equipment	Restaurant - Buffet
45	Multistate	August	*Salmonella* Infantis	7	English cucumber	Unknown	Other

#	Local Health Jurisdiction	Month of 1st Illness Onset	Illness Agent	Total # Cases	Implicated Food	Contributing Factors	Setting
46	King	August	*Vibrio parahaemolyticus*	2	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed	Restaurant - Sit-down dining
47	King	August	*Vibrio parahaemolyticus*	3	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed	Restaurant - Sit-down dining
48	King	August	*Vibrio parahaemolyticus*	5	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed	Restaurant - Sit-down dining
49	King	August	*Vibrio parahaemolyticus*	2	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed	Restaurant - Sit-down dining
50	King	August	*Vibrio parahaemolyticus*	3	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed	Restaurant - Sit-down dining
51	Benton-Franklin	August	Bacterial Toxin	9	Cheese sauce	P4-Improper cold holding due to malfunctioning refrigeration equipment, P7-Improper hot holding due to improper procedure or protocol, P8-Improper/slow cooling	Restaurant - Sit-down dining
52	Multistate	August	*Salmonella* Newport	3	Ground beef	Unknown	Distributed Product
53	King	August	*Vibrio parahaemolyticus*	2	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed	Restaurant - Sit-down dining
54	Multistate	September	*Salmonella* I 4,[5],12:i:-	5	Pork	Unknown	Distributed Product
55	King	September	*Vibrio parahaemolyticus*	2	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed	Restaurant - Sit-down dining
56	Clark	September	*Vibrio parahaemolyticus*	4	Oysters, raw	C7-Contaminated raw product-food was intended to be consumed raw or undercooked/under-processed	Restaurant - Sit-down dining
57	Cowlitz	September	Norovirus	9	Tomatoes	C11-Glove-hand contact by a food handler/worker/preparer who is suspected to be infectious	Restaurant - other or unknown type

#	Local Health Jurisdiction	Month of 1st Illness Onset	Illness Agent	Total # Cases	Implicated Food	Contributing Factors	Setting
58	Multistate	October	*Escherichia coli*, Shiga toxin-producing O157:H7	2	Leafy Greens	Unknown	Distributed Product
59	Multistate	October	*Salmonella* Hadar	1	Turkey	Unknown	Distributed Product
60	Skagit	November	Norovirus	19	Sushi	C11-Glove-hand contact by a food handler/worker/preparer who is suspected to be infectious	Restaurant - "Fast-food"(drive up service or pay at counter)
61	Benton-Franklin	December	Norovirus	12	Undetermined	C11-Glove-hand contact by a food handler/worker/preparer who is suspected to be infectious, C12-Other mode of contamination (excluding cross-contamination) by a food handler/worker/preparer who is suspected to be infectious, C15-Other source of contamination, S4-Insufficient or improper use of chemical processes designed for pathogen destruction	Restaurant - Sit-down dining
62	King	December	Bacterial Toxin	3	Noodles, beef broth	P2-No attempt was made to control the temperature of implicated food or the length of time food was out of temperature control (during food service or display of food), P7-Improper hot holding due to improper procedure or protocol, P8-Improper/slow cooling	Restaurant - Sit-down dining

Foodborne Outbreaks 1986-2018

Year	Cases	Outbreaks
1986	346	58
1987	311	51
1988	545	55
1989	531	51
1990	665	34
1991	1,154	47
1992	740	53
1993	1,301	130
1994	1,462	151
1995	909	138
1996	695	124
1997	810	108
1998	706	60
1999	1,164	93
2000	938	66
2001	574	69
2002	704	56
2003	620	55
2004	679	58
2005	390	42
2006	677	51
2007	722	43
2008	564	46
2009	307	27
2010	344	37
2011	371	30
2012	552	27
2013	437	37
2014	432	45
2015	505	36
2016	543	49
2017	1,016	66
2018	549	62

Haemophilus Influenzae 2009-2018

***H. influenzae* Cases Among Children <5 Years Old by Serotype, Washington State, 2009-2018**

Year	Total	Not Tested	Isolate Available	Type B	Non-type B	Not Typeable	% B	% Not Typeable
2009	9	3	6	1	3	2	17%	34%
2010	10	0	10	0	3	7	0%	70%
2011	8	0	8	1	3	4	13%	50%
2012	4	0	4	1	1	2	25%	50%
2013	11	0	11	2	2	7	18%	64%
2014	9	0	9	4	2	3	45%	33%
2015	5	0	5	1	2	2	20%	40%
2016	9	1	8	1	2	5	13%	63%
2017	7	0	7	1	3	3	14%	43%
2018	13	0	13	4	7	2	31%	15%
Total	85	4	81	16	28	37	20%	46%

Meningococcal Disease 2009-2018

Number of Meningococcal Disease Cases by Serogroup**, Washington State, 2009-2018**

Year	Total	Not Tested*	Isolate Available	B	C	Y	W135	Other	% Vaccine (A/C/Y/W) serogroup	% B
2009	25	2	23	13	2	8	0	0	43%	57%
2010	29	2	27	7	7	12	1	0	74%	26%
2011	22	0	22	12	2	7	1	0	45%	55%
2012	24	0	24	9	4	8	0	3	50%	40%
2013	20	3	17	9	2	3	2	1	41%	53%
2014	17	0	17	6	5	4	1	1	59%	35%
2015	10	0	10	3	4	1	2	0	70%	30%
2016	13	1	12	3	6	1	1	1	67%	25%
2017	11	0	11	3	6	0	0	2	55%	27%
2018	21	0	21	5	13	1	0	2	67%	24%
Total	192	8	184	70	51	45	8	10	57%	38%

Rabid Non-Bat Animals and Rabies Strains in Washington 1987-2018

Year	Animal type (County)	Rabies strain
2015	Cat (Jefferson)	Bat-variant
2002	Cat (Walla Walla)	Bat-variant
1994	Llama (King)	Bat-variant
1992	Horse (Franklin)	Unknown
1987	Dog (Pierce)*	Unknown, but history of bat exposure

*Infection was not confirmed at Centers for Disease Control and Prevention.

Washington State Bats Tested for Rabies 2014-2018

	2014		2015		2016		2017		2018		Total	
County	**Positive**	**Total**	**Positive**	**Total**	**Positive**	**Total**	**Positive**	**Total**	**Positive**	**Total**	**Positive**	**Tested**
Adams	0	1	0	0	0	6	0	1	0	0	0	8
Asotin	0	0	0	0	0	0	0	0	0	0	0	0
Benton	0	1	0	2	0	3	0	0	2	2	2	8
Chelan	0	6	0	8	3	17	1	11	9	75	13	117
Clallam	1	5	0	4	0	0	0	7	0	6	1	22
Clark	0	16	1	16	1	15	1	10	0	16	3	73
Columbia	0	0	0	0	0	0	0	0	0	0	0	0
Cowlitz	0	13	0	7	0	16	0	10	0	8	0	54
Douglas	0	0	0	0	0	0	0	1	2	25	2	26
Ferry	0	1	0	0	1	1	0	0	0	0	1	2
Franklin	0	0	0	1	0	0	0	0	0	1	0	2
Garfield	0	0	0	0	0	0	0	0	0	0	0	0
Grant	0	3	0	2	1	4	0	2	0	7	1	18
Grays Harbor	0	0	0	5	0	3	0	3	0	2	0	13
Island	1	10	0	12	0	5	0	18	0	12	1	57
Jefferson	0	6	0	8	0	6	0	7	1	11	1	38
King	4	64	2	65	3	52	8	78	10	102	27	361
Kitsap	3	19	0	20	1	23	0	27	2	37	6	126
Kittitas	0	4	0	3	0	0	0	3	0	4	0	14
Klickitat	2	3	0	3	0	0	1	5	1	3	4	14
Lewis	0	13	0	7	2	16	1	18	2	26	5	80
Lincoln	0	1	0	0	0	0	0	0	0	0	0	1
Mason	0	11	2	8	1	8	0	5	0	7	3	39
Okanogan	0	3	0	1	0	0	0	1	0	0	0	5
Pacific	0	4	1	4	0	4	0	7	0	5	1	24
Pend Oreille	0	0	0	0	0	0	0	0	0	2	0	2
Pierce	0	8	0	8	1	16	2	25	0	23	3	80
San Juan	0	1	0	3	0	2	0	1	0	2	0	9
Skagit	1	8	0	7	0	5	0	9	0	10	1	39
Skamania	0	2	0	2	0	0	0	0	0	0	0	4
Snohomish	1	21	1	25	0	15	3	37	1	44	6	142
Spokane	0	12	1	34	3	44	5	31	3	27	12	148
Stevens	0	3	0	7	0	4	0	3	2	5	2	22
Thurston	0	13	1	17	1	16	0	33	2	28	4	107
Wahkiakum	0	1	0	2	0	0	0	0	0	0	0	3
Walla Walla	0	0	0	1	0	1	0	0	1	3	1	5
Whatcom	2	19	0	15	2	14	0	21	2	35	6	104
Whitman	0	0	0	5	0	2	0	1	0	1	0	9
Yakima	0	4	0	3	0	0	0	1	0	2	0	10
Total	**15**	**276**	**9**	**305**	**20**	**298**	**22**	**376**	**40**	**531**	**106**	**1,786**

Washington State Animals Tested for Rabies 1988-2018

Year	Bat	Cat	Dog	Ferret	Raccoon	Skunk	Rodent	Lagomorph	Other Wild	Other Domestic	Total
1988	69 (4)	165	110	15	16	3	12	2	5	3	400 (4)
1989	102 (9)	124	91	20	9	4	8	1	9	4	372 (9)
1990	63 (4)	104	82	5	7	5	5	1	14	4	290 (4)
1991	90 (9)	105	96	13	8	3	13	0	19	2	349 (9)
1992	73 (6)	132	90	16	14	2	12	0	14	6 (1)*	359 (7)
1993	68 (1)	122	95	8	4	8	16	2	10	13	346 (1)
1994	58 (14)	105	90	7	4	3	15	0	16	14 (1)^	312 (15)
1995	263 (15)	140	114	12	8	1	23	3	15	18	597 (15)
1996	257 (13)	104	101	8	9	2	14	3	20	12	530 (13)
1997	780 (51)	155	118	7	17	4	15	2	18	11	1,127 (51)
1998	447 (27)	126	109	8	11	1	6	0	19	16	743 (27)
1999	334 (25)	103	71	3	11	3	8	1	14	13	561 (25)
2000	330 (23)	105	60	1	2	4	6	1	9	4	522 (23)
2001	263 (22)	111	93	2	3	1	8	0	4	5	490 (22)
2002	186 (12)	99 (1)	53	7	2	2	9	1	8	9	376 (13)
2003	229 (23)	137	72	0	11	1	4	1	9	10	474 (23)
2004	311 (20)	141	70	3	13	6	11	0	6	10	571 (20)
2005	245 (15)	132	66	3	12	2	5	1	10	4	480 (15)
2006	273 (15)	105	70	4	13	1	2	1	8	5	482 (15)
2007	315 (22)	132	97	1	16	3	5	0	9	3	581 (22)
2008	337 (17)	143	76	1	10	2	5	1	9	11	595 (17)
2009	311 (14)	133	90	1	12	5	4	1	7	9	573 (14)
2010	200 (14)	103	63	0	14	1	6	1	9	10	407 (14)
2011	204 (11)	87	51	1	9	1	2	0	8	5	368 (11)
2012	221 (9)	98	54	2	7	0	4	0	7	9	402 (9)
2013	284 (12)	80	65	0	13	0	3	0	5	9	459 (12)
2014	276 (15)	75	53	0	12	0	1	1	6	11	435 (15)
2015	305 (9)	95 (1)	49	0	8	2	8	0	11	7	485 (10)
2016	298 (20)	108	44	0	5	0	4	1	3	3	466 (20)
2017	376 (22)	81	48	0	8	1	4	0	2	5	525 (22)
2018	531 (40)	84	44	0	4	0	2	0	2	8	675 (40)
Total	**8,099 (513)**	**3,534 (2)**	**2,385**	**148**	**292**	**71**	**240**	**25**	**305**	**253 (2)**	**15,352 (517)**

* Horse

^ Llama

Rodents include: beaver, chinchilla, chipmunk, degu, gerbil, gopher, hamster, marmot, mouse, muskrat, nutria, porcupine, prairie dog, rat, squirrel, vole, woodchuck

Lagomorphs include: rabbit and pika

Other domestic include: burro, cattle, goat, horse, llama, mule, pig, sheep, zebra

Other wild include: badger, bear, bison, bobcat, cougar, coyote, deer, fox, kinkajou, lynx, marten, mink, mole, monkey/non-human primate, ocelot, opossum, otter, seal, shrew, sugar glider, weasel, wolf, wolf-hybrid, zorilla (striped polecat)

Rare Diseases of Public Health Significance 2015-2018

All cases acquired through travel, unless otherwise noted.
Case counts are subject to change since cases are often reported late.

Rare Disease	2015	2016	2017	2018
Amoebic meningitis	0	0	1[E]	0
Anaplasmosis	1	0	1	0
Babesiosis	2	0	1	0
Burkholderia	0	0	2	0
Chagas	1	1	0	0
Coccidioidomycosis	25	40 (2[E])	69 (2[E], 9[U])	63 (3[E], 14[U])
Cryptococcosis (by *Cryptococcus gattii*)	4 (1[E], 3[U])	5 (2[E], 3[U])	1[E]	4 (1[E], 3[U])
Histoplasmosis	1	2 (1[U])	1	0
Spotted Fever Rickettsiosis	4	0	5	3 (1[U])
Tick paralysis	0	1[E]	0	2[E]
Typhus	1	0	1	0

[E] Endemically acquired
[U] Unknown exposure location

Waterborne Disease Outbreaks 1991-2018

Excluding spa-associated folliculitis outbreaks and illness outbreaks associated with harmful algal blooms.

Year	Agent	Water Type	County	Cases
1991	*Giardia*	Recreational – Untreated	Clark	4
	Unknown	Recreational – Untreated	Thurston	4
1992	Hepatitis A	Drinking	Klickitat	10
1993	*Norovirus*	Recreational – Untreated	Thurston	604
	Cryptosporidium	Drinking	Yakima	7
	Giardia	Recreational – Untreated	Clark	6
1994	*Cryptosporidium*	Recreational – Untreated	Yakima	4
	Cryptosporidium/Giardia	Drinking	Walla Walla	86
1995	*Giardia*	Drinking	Yakima	87
1996	*Cryptosporidium*	Drinking	Yakima	18
1997	STEC	Drinking	Yakima	2
1998	Suspect viral	Recreational – Untreated	Kitsap	248
	Suspect viral	Recreational – Untreated	Snohomish	58
	Unknown	Drinking	Klickitat	6
1999	Unknown	Drinking	Lincoln	46
	E. coli O157:H7	Recreational – Untreated	Clark	36
	Suspect viral	Drinking	Spokane	68
2003	*Campylobacter*	Drinking	Walla Walla	110
2007	Suspect viral	Drinking	Okanogan	32
	Cryptosporidium	Recreational – Untreated	Clark	12
	Cryptosporidium	Recreational – Treated	Whatcom	14
2011	*Legionella*	Drinking	Spokane	3
2012	*Shigella sonnei*	Recreational – Untreated	Clark	3
2013	Norovirus	Recreational – Treated	King	11
2014	Norovirus	Recreational – Untreated	Kitsap	260+
	Norovirus	Recreational – Untreated	Clark	20
2015	*Legionella*	Drinking	Thurston	3
	Legionella	Other (cooling tower)	Chelan	10
2016	Norovirus	Recreational – Treated	King	17
	Legionella	Drinking	King	4
2017	*Legionella*	Unknown	King	2
	Legionella	Recreational – Treated	Benton-Franklin	3
	Legionella	Recreational – Treated	Yakima	2
2018	Swimmer's Itch (cercarial dermatitis)	Recreational – Untreated	Adams	3
	Norovirus	Recreational – Untreated	Kitsap	156
	Shigella sonnei	Recreational – Untreated	Clark	19

Appendix II: Influenza Summary

The Department of Health (DOH), in collaboration with health care providers, laboratories, local health jurisdictions, and the Centers for Disease Control and Prevention (CDC), performs surveillance for influenza using several different systems. Laboratory-confirmed Influenza-associated deaths and suspected and confirmed Influenza outbreaks are reportable to the local health jurisdiction and in turn reportable to DOH. Novel or unsubtypable influenza is immediately notifiable to DOH.

The purpose of influenza surveillance and reporting is to assist health care providers with treatment decisions by tracking the geographic spread of influenza activity, estimating influenza-related mortality, monitoring the epidemiology of severe influenza infection, and detecting emerging threats such as avian and other novel influenza strains.

Current and historic summaries of influenza activity in Washington State can be found on the DOH Influenza Surveillance Data page.

Appendix III: State Demographics

Washington State Population Estimates 1985-2018

Year	Estimate	Year	Estimate
1985	4,415,785	1986	4,462,212
1987	4,527,098	1988	4,616,886
1989	4,728,077	1990	4,866,692
1991	5,021,335	1992	5,141,177
1993	5,265,688	1994	5,364,338
1995	5,470,104	1996	5,567,764
1997	5,663,763	1998	5,750,033
1999	5,830,835	2000	5,894,143
2001	5,970,330	2002	6,059,316
2003	6,126,885	2004	6,208,515
2005	6,298,816	2006	6,420,258
2007	6,525,086	2008	6,608,245
2009	6,672,159	2010	6,724,540
2011	6,767,900	2012	6,817,770
2013	6,882,400	2014	6,968,170
2015	7,061,410	2016	7,183,700
2017	7,310,300	2018	7,427,570

State of Washington Office of Financial Management April 1, 2018 Population Trends. Accessed 7/24/2019 from http://www.ofm.wa.gov/pop/april1/poptrends.pdf

Washington State Population Estimates by County 2018

County	Estimate	County	Estimate	County	Estimate
Adams	20,020	Asotin	22,420	Benton	197,420
Chelan	77,800	Clallam	75,130	Clark	479,500
Columbia	4,150	Cowlitz	107,310	Douglas	42,120
Ferry	7,780	Franklin	92,540	Garfield	2,210
Grant	97,350	Grays Harbor	73,610	Island	83,860
Jefferson	31,590	King	2,190,200	Kitsap	267,120
Kittitas	45,600	Klickitat	21,980	Lewis	78,380
Lincoln	10,810	Mason	64,020	Okanogan	42,490
Pacific	21,420	Pend Oreille	13,540	Pierce	872,220
San Juan	16,810	Skagit	126,520	Skamania	11,890
Snohomish	805,120	Spokane	507,950	Stevens	45,030
Thurston	281,700	Wahkiakum	4,100	Walla Walla	61,800
Whatcom	220,350	Whitman	29,210	Yakima	254,500

State Total: 7,427,570

State of Washington Office of Financial Management April 1, 2018 Population Trends. Accessed 7/24/2019 from http://www.ofm.wa.gov/pop/april1/poptrends.pdf

Washington State Population by Age and Sex 2018

Age (years)	Male	Female	Total
0-4	232,789	222,286	455,075
5-9	240,138	229,935	470,073
10-14	240,650	228,489	469,139
15-19	235,367	224,612	459,979
20-24	249,589	239,028	488,617
25-29	270,764	256,868	527,632
30-34	262,352	250,539	512,891
35-39	258,420	249,807	508,227
40-44	229,019	225,055	454,074
45-49	240,589	235,517	476,106
50-54	232,056	231,464	463,520
55-59	244,751	250,362	495,113
60-64	229,915	243,733	473,648
65-69	194,806	211,266	406,072
70-74	147,140	162,683	309,823
75-79	92,437	105,005	197,442
80-84	55,484	69,603	125,087
85+	50,267	84,785	135,052
Total	3,706,533	3,721,037	7,427,570

State of Washington Office of Financial Management April 1, 2018 Population Trends. Accessed 7/24/2019 from http://www.ofm.wa.gov/pop/april1/poptrends.pdf


Washington State Department of
Health