

Kentucky Reportable Diseases Five Year Summary (2018-2022)

Disease Condition ^a	2018 Cases	2018 Crude Rate ^b	2019 Cases	2019 Crude Rate ^b	2020 Cases	2020 Crude Rate ^b	2021 Cases	2021 Crude Rate ^b	2022 Cases	2022 Crude Rate ^b	5-Year Total Case Count	5-Year Average Annual Case Count	5-Year Annual Est. Pop Avg ^j	5-Year Annual Average Rate ^b
Acquired Immunodeficiency Syndrome (AIDS)	93	2.1	78	1.7	73	1.6	89	2.0	110	2.4	443	89		2.0
Anthrax	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Arboviral Diseases														
California Serogroup virus diseases														
California Encephalitis Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Jamestown Canyon Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Keystone Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
La Crosse Virus	0	0.0	1	0.0	5	0.1	0	0.0	0	0.0	0	0		0.0
Snowshoe Hare Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Trivittatus viruses	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Chikungunya virus ^c	1	0.0	1	0.0	0	0.0	1	0.0	1	0.0	0	0		0.0
Eastern Equine Encephalitis Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Powassan Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Venezuelan Equine Encephalitis Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
West Nile Virus Disease ^c	12	0.3	10	0.2	2	0.0	4	0.1	4	0.1	32	6		0.1
Western Equine Encephalitis Virus Disease	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Zika Virus ^c	0	0.0	2	0.0	0	0.0	0	0.0	1	0.0	3	1		0.0
Babesiosis	0	0.0	0	0.0	3	0.1	2	0.0	0	0.0	5	1		0.0
Botulism, infant	5	0.1	6	0.1	3	0.1	4	0.1	5	0.1	23	5		0.1
Botulism, foodborne	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0		0.0
Botulism, wound	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0		0.0
Brucellosis	4	0.1	0	0.0	0	0.0	1	0.0	1	0.0	6	1		0.0
Candida auris (C. auris), clinical ^f	0	0.0	0	0.0	0	0.0	11	0.2	22	0.5	33	7		0.1
Candida auris (C. auris), screening ^g	0	0.0	0	0.0	0	0.0	22	0.5	82	1.8	104	21		0.5
Campylobacteriosis	877	19.6	1,127	25.2	1,094	24.3	1,306	29.0	1,176	26.1	5,580	1,116		24.8
Chancroid	0	0.0	2	0.0	0	0.0	0	0.0	0	0.0	2	0		0.0
Chlamydia trachomatis infection	19,440	435.1	20,912	468.1	18,750	416.1	18,500	410.5	18,358	406.9	95,960	19,192		427.2
Cholera	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Coccidioidomycosis	0	0.0	4	0.1	8	0.2	12	0.3	13	0.3	37	7		0.2
Carbapenemase-producing Organisms (CPO), clinical ^f	63	1.4	193	4.3	154	3.4	181	4.0	201	4.5	792	158		3.5
Carbapenemase-producing Organisms (CPO), screening ^g	32	0.7	64	1.4	67	1.5	106	2.4	102	2.3	371	74		1.7
Creutzfeldt-Jakob disease	4	0.1	3	0.1	3	0.1	1	0.0	3	0.1	14	3		0.1
Cryptosporidiosis	178	4.0	341	7.6	222	4.9	228	5.1	291	6.5	1,260	252		5.6
Cyclosporiasis ^{h,k}	-	-	-	-	-	-	29	0.6	25	0.6	54	27		0.6
Dengue virus infections ^c	3	0.1	3	0.1	1	0.0	0	0.0	5	0.1	12	2		0.1

^aCase counts based on MMWR print criteria for that calendar year available at <https://ndc.services.cdc.gov/event-codes-other-surveillance-resources/>

^bRates are expressed as total number of cases per 100,000 population. NOTE: Rates calculated from numerators less than 20 may not be reliably used to determine trends.

^cConfirmed and probable cases reported through ArboNET

^dNot reportable in Kentucky until June 2020

^eData are only for organisms that require direct reporting by EPID 250

^f5-Year Total Case Count, 5-Year Average Annual Case Count, 5-Year Annual Estimated Population Average and 5-Year Annual Average Rate are calculated for Cyclosporiasis based on 2 years; Giardiasis based on 2 years; MIS-C based on 3 years; Mpx based on 1 year; and COVID-19 based on 3 years

^g5-Year Annual Estimated Population Average for Cyclosporiasis: 4,509,076; Giardiasis: 4,509,076; Hepatitis C, Perinatal exposure: 52,258; MIS-C: 4,507,996; Mpx: 4,511,563; COVID-19: 4,507,996; all other conditions: 4,492,013.

Disease Condition ^a	2018 Cases	2018 Crude Rate ^b	2019 Cases	2019 Crude Rate ^b	2020 Cases	2020 Crude Rate ^b	2021 Cases	2021 Crude Rate ^b	2022 Cases	2022 Crude Rate ^b	5-Year Total Case Count	5-Year Average Annual Case Count	5-Year Annual Est. Pop Avg ^l	5-Year Annual Average Rate ^b
Diphtheria	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Ehrlichiosis/Anaplasmosis ^f	78	1.7	108	2.4	65	1.4	70	1.6	104	2.3	425	85		1.9
Giardiasis ^{g,k}	-	-	-	-	-	-	117	2.6	140	3.1	257	129		2.8
Gonorrhea	7,470	167.2	7,379	165.2	8,393	186.3	8,221	182.4	6,820	151.2	38,283	7,657		170.4
Granuloma inguinale	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
<i>Haemophilus influenzae</i> , invasive disease	116	2.6	111	2.5	38	0.8	35	0.8	62	1.4	362	72		1.6
Hansen Disease (Leprosy)	0	0.0	0	0.0	1	0.0	1	0.0	1	0.0	3	1		0.0
Hantavirus pulmonary syndrome	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Hemolytic uremic syndrome (HUS), post-diarrheal)	3	0.1	18	0.4	6	0.1	9	0.2	11	0.2	47	9		0.2
Hepatitis A, Acute	3,560	79.7	1,318	29.5	57	1.3	42	0.9	8	0.2	4,985	997		22.2
Hepatitis B, Acute	260	5.8	188	4.2	112	2.5	76	1.7	80	1.8	716	143		3.2
Hepatitis B, Perinatal ^g	1	-	0	-	0	-	0	-	10	-	11	2	-	-
Hepatitis C, Acute	288	6.4	246	5.5	258	5.7	311	6.9	324	7.2	1,427	285		6.4
Hepatitis C, Perinatal exposure ^h	1,274	23.6	1,248	23.5	1,278	24.7	1037	19.8	1,052	20.9	5,889	1,178		22.5
Histoplasmosis	33	0.7	46	1.0	45	1.0	87	1.9	101	2.2	312	62		1.4
Human Immunodeficiency Virus Infection (HIV), not AIDS	286	6.4	250	5.6	228	5.1	304	6.7	295	6.5	1,363	273		6.1
Influenza-associated Mortality ^j	337	7.5	227	5.1	166	3.7	16	0.4	180	4.0	926	185		4.1
Influenza-associated Pediatric Mortality ^j	6	0.1	2	0.0	4	0.1	0	0.0	8	0.2	20	4		0.1
Legionellosis	146	3.3	121	2.7	74	1.6	116	2.6	104	2.3	561	112		2.5
Leptospirosis	0	0.0	1	0.0	0	0.0	1	0.0	0	0.0	2	0		0.0
Listeriosis	2	0.0	9	0.2	10	0.2	6	0.1	9	0.2	36	7		0.2
Lyme Disease	22	0.5	22	0.5	32	0.7	41	0.9	72	1.6	189	38		0.8
Lymphogranuloma venereum	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Malaria	10	0.2	14	0.3	3	0.1	5	0.1	10	0.2	42	8		0.2
Measles	0	0.0	2	0.0	0	0.0	0	0.0	0	0.0	2	0		0.0
Meningococcal disease	6	0.1	8	0.2	2	0.0	2	0.0	2	0.0	20	4		0.1
Middle Eastern Respiratory Syndrome (MERS)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Mpox ^{k,m}	-	-	-	-	-	-	-	-	98	2.2	98	98		2.2
Multisystem Inflammatory Syndrome- COVID-19 (MIS-C) ^{l,k}	-	-	-	-	25	0.6	89	2.0	19	0.4	133	44		1.0
Mumps	8	0.2	6	0.1	5	0.1	4	0.1	2	0.0	25	5		0.1

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^dEhrlichiosis/Anaplasmosis includes, *Anaplasma phagocytophilum*, *Ehrlichia chaffeensis*, *Ehrlichia ewingii*, undetermined human ehrlichiosis/anaplasmosis cases

^ePerinatal Hepatitis B cases were the number of infants with a positive Hepatitis B surface antigen test result. Due to the inadequate data on the denominator, rates were not calculated.

^fPerinatal Hepatitis C exposure cases were the number of infants born to mothers with reported history of hepatitis C infection on the birth certificate. Rates were calculated per 1,000 live births.

^gCounts based on calendar year

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Novel Influenza A	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Pertussis	198	4.4	214	4.8	65	1.4	31	0.7	41	0.9	549	110		2.4
Plague	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Poliomyelitis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Psittacosis	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Q Fever	3	0.1	1	0.0	3	0.1	3	0.1	4	0.1	14	3		0.1
Rabies, Animal	19	N/A	14	N/A	17	N/A	15	N/A	10	N/A	75	15	N/A	N/A
Rabies, human	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Rubella	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Salmonellosis (excluding S. Typhi infection and S. Paratyphi infection)	661	14.8	748	16.7	662	14.7	586	13.0	622	13.8	3,279	656		14.6
Salmonella enterica Paratyphi A, B, C ^l	-	-	4	0.1	0	0.0	0	0.0	3	0.1	7	2		0.0
Salmonella enterica Typhi (S. Typhi), (Typhoid Fever) ^{l,j}	0	0.0	1	0.0	1	0.0	1	0.0	3	0.1	6	1		0.0
Severe Acute Respiratory Syndrome-associated Coronavirus (SARS-CoV)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Severe Acute Respiratory Syndrome-associated Coronavirus 2 (SARS-CoV-2; COVID-19) ^{d,k}	-	-	-	-	277,976	6,169.2	613,171	13,606.1	797,288	17,672.1	1,688,435	562,812		12484.7
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	182	4.1	379	8.5	157	3.5	169	3.8	160	3.5	1,047	209		4.7
Shigellosis	95	2.1	124	2.8	55	1.2	62	1.4	83	1.8	419	84		1.9
Smallpox	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Spotted Fever Rickettsiosis	218	4.9	347	7.8	55	1.2	96	2.1	96	2.1	812	162		3.6
Streptococcal toxic shock syndrome	10	0.2	14	0.3	8	0.2	5	0.1	4	0.1	41	8		0.2
<i>Streptococcus pneumoniae</i> , (Invasive Pneumococcal Disease)	423	9.5	384	8.6	203	4.5	100	2.2	344	7.6	1,454	291		6.5
Syphilis	882	19.7	1,096	24.5	1,143	25.4	1,559	34.6	2,032	45.0	6,712	1,342		29.9
Tetanus	1	0.0	1	0.0	0	0.0	0	0.0	4	0.1	6	1		0.0
Toxic Shock Syndrome (Other than Streptococcal)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Toxoplasmosis	7	0.2	12	0.3	2	0.0	16	0.4	13	0.3	50	10		0.2
Trichinellosis (Trichinosis)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Tuberculosis	65	1.5	66	1.5	67	1.5	57	1.3	70	1.6	325	65		1.4
Tularemia	7	0.2	13	0.3	5	0.1	11	0.2	4	0.1	40	8		0.2
Vancomycin-intermediate Staphylococcus aureus (VISA) ^g	5	0.1	10	0.2	0	0.0	0	0.0	0	0.0	15	3		0.1
Vancomycin-resistant Staphylococcus aureus (VRSA) ^g	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Varicella	34	0.8	57	1.3	16	0.4	39	0.9	29	0.6	175	35		0.8
Vibriosis	42	0.9	31	0.7	18	0.4	32	0.7	28	0.6	151	30		0.7
Viral Hemorrhagic Fevers														
Crimean-Congo Hemorrhagic Fever virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Ebola Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Lassa Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Lujo Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Marburg Virus	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
New World Arenaviruses	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0
Yellow Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0		0.0

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^eAdded to National Notifiable Disease List in 2019

^fS. Typhi replaced Typhoid Fever in 2019

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