

Kentucky Reportable Diseases 5-Year Summary (2017-2021)

Disease Condition ^a	2017 Cases	2017 Crude Rate ^b	2018 Cases	2018 Crude Rate ^b	2019 Cases	2019 Crude Rate ^b	2020 Cases	2020 Crude Rate ^b	2021 Cases	2021 Crude Rate ^b	5-Year Total Case Count	5-Year Average Annual Case Count	5-Year Annual Est. Pop Avg	5-Year Annual Average Rate ^b	
Acquired Immunodeficiency Syndrome (AIDS) ^c	92	2.1	93	2.1	78	1.7	73	1.6	2021 Data Available Late 2022		336	84	4,474,025	1.9	
Anthrax	0	0.0	0	0.0	0	0.0	0	0.0			0	0	4,474,025	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	4,474,025	0.0
Jamestown Canyon Virus ^d	0	0.0	0	0.0	0	0.0	0	0.0				0	0	4,474,025	0.0
Keystone Virus ^d	0	0.0	0	0.0	0	0.0	0	0.0				0	0	4,474,025	0.0
La Crosse Virus ^d	0	0.0	0	0.0	1	0.0	5	0.1				0	0	4,474,025	0.0
Snowshoe Hare Virus ^d	0	0.0	0	0.0	0	0.0	0	0.0				0	0	4,474,025	0.0
Trivittatus viruses ^d	0	0.0	0	0.0	0	0.0	0	0.0				0	0	4,474,025	0.0
Chikungunya virus ^{d,e}	0	0.0	1	0.0	1	0.0	0	0.0				0	0	4,474,025	0.0
Eastern Equine Encephalitis Virus	0	0.0	0	0.0	0	0.0	0	0.0				0	0	4,474,025	0.0
Powassan Virus	0	0.0	0	0.0	0	0.0	0	0.0				0	0 ^d	4,474,025	0.0
Venezuelan Equine Encephalitis Disease	0	0.0	0	0.0	0	0.0	0	0.0				0	0	4,474,025	0.0
West Nile Virus Disease ^f	10	0.2	12	0.3	10	0.2	2	0.0				34	9	4,474,025	0.2
Western Equine Encephalitis Virus Disease	0	0.0	0	0.0	0	0.0	0	0.0				0	0	4,474,025	0.0
Zika Virus	3	0.1	0	0.0	2	0.0	0	0.0				5	1	4,474,025	0.0
Babesiosis ^d	0	0.0	0	0.0	0	0.0	6	0.1				6	2	4,474,025	0.0
Botulism, infant	7	0.2	5	0.1	6	0.1	3	0.1				21	5	4,474,025	<0.1
Botulism, foodborne	0	0.0	0	0.0	0	0.0	0	0.0				0	0	4,474,025	0.0
Botulism, wound	0	0.0	0	0.0	0	0.0	0	0.0			0	0	4,474,025	0.0	
Brucellosis	1	0.0	4	0.1	0	0.0	0	0.0			5	1	4,474,025	<0.1	
Campylobacteriosis	821	18.4	877	19.6	1,127	25.2	1,094	24.3			3,919	980	4,474,025	21.9	
Chancroid	0	0.0	0	0.0	2	0.0	0	0.0			2	1	4,474,025	0.0	
<i>Chlamydia trachomatis</i> infection	19,321	433.8	19,440	435.1	20,912	468.1	18,750	416.1			78,423	19,606	4,474,025	438.2	
Cholera	0	0.0	0	0.0	0	0.0	0	0.0			0	0	4,474,025	0.0	
Coccidioidomycosis ^d	1	0.0	0	0.0	4	0.1	8	0.2			13	3	4,474,025	<0.1	
Creutzfeldt-Jakob disease ^{d,g}	0	0.0		0.0		0.0		0.0			0	0	4,474,025	0.0	
Cryptosporidiosis	91	2.0	178	4.0	341	7.6	222	4.9			832	208	4,474,025	4.6	
Dengue virus infections ^d	1	0.0	3	0.1	3	0.1	1	0.0			8	2	4,474,025	0.0	

^a Case counts based on MMWR print criteria for that calendar year available at <https://www.cdc.gov/nndss/downloads.html>

^b Rates 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.

^c Data reported through June 30, 2016. AIDS cases represent those who progressed to AIDS as of 06/30/2016, by year of initial HIV disease diagnosis.

^d Reporting requirement began in February 2015. Dash indicates the lack of mandated reporting for that year.

^e Confirmed and probable cases reported through ArboNET

^f Confirmed and suspect cases reported through ArboNET prior to 2016. Confirmed and probable cases reported in 2016 through ArboNET.

^g Data collection for 2018 - 2020 are ongoing

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5-Year Summary (2017-2021)**

Disease Condition ^a	2017 Cases	2017 Crude Rate ^b	2018 Cases	2018 Crude Rate ^b	2019 Cases	2019 Crude Rate ^b	2020 Cases	2020 Crude Rate ^b	2021 Cases	2021 Crude Rate ^b	5-Year Total Case Count	5-Year Average Annual Case Count	5-Year Annual Est. Pop Avg	5-Year Annual Average Rate ^b
Diphtheria	0	0.0	0	0.0	0	0.0	0	0.0	2021 Data Available Late 2022		0	0	4,474,025	0.0
Ehrlichiosis/Anaplasmosis ^g	83	1.9	75	1.7	108	2.4	0	0.0		266	67	4,474,025	1.5	
Gonorrhea	7,417	166.5	7,470	167.2	7,379	165.2	8,393	186.3		30,659	7,665	4,474,025	171.3	
Granuloma inguinale	0	0.0	0	0.0	0	0.0	0	0.0		0	0	4,474,025	0.0	
<i>Haemophilus influenzae</i> , invasive disease	87	2.0	116	2.6	111	2.5	39	0.9		353	88	4,474,025	2.0	
Hansen Disease (Leprosy)	0	0.0	0	0.0	0	0.0	1	0.0		1	0	4,474,025	<0.1	
Hantavirus pulmonary syndrome	0	0.0	0	0.0	0	0.0	0	0.0		0	0	4,474,025	0.0	
Hemolytic uremic syndrome (HUS), post-diarrheal ^d	6	0.1	3	0.1	18	0.4	6	0.1		33	8	4,474,025	<0.2	
Hepatitis A	71	1.6	3,560	79.7	1,318	29.5	57	1.3		5,006	1,252	4,474,025	28.0	
Hepatitis B, Acute	236	5.3	260	5.8	188	4.2	115	2.6		799	200	4,474,025	4.5	
Hepatitis B, Perinatal ^h	1	0.0	1	0.0	0	0.0	0	0.0		2	1	4,474,025	<0.1	
Hepatitis C, Acute	233	5.2	288	6.4	246	5.5	259	5.7		1,026	257	4,474,025	5.7	
Hepatitis C, Perinatal ^{d,i}	1,251	23.0	1,280	23.7	1,244	23.5	1,280	28.4		5,055	1,264	4,474,025	28.2	
Histoplasmosis	90	2.0	33	0.7	46	1.0	45	1.0		214	54	4,474,025	1.2	
Human Immunodeficiency Virus Infection (HIV), not AIDS ^j	254	5.7	286	6.4	250	5.6	228	5.1		1,018	255	4,474,025	5.7	
Influenza-associated Mortality ^k	108	2.4	305	6.8	211	4.7	151	3.4		775	194	4,474,025	4.3	
Legionellosis	116	2.6	146	3.3	121	2.7	81	1.8		464	116	4,474,025	2.6	
Leptospirosis ^l	0	0.0	0	0.0	1	0.0	0	0.0		1	0	4,474,025	0.0	
Listeriosis	9	0.2	2	0.0	9	0.2	10	0.2		30	8	4,474,025	<0.2	
Lyme Disease	20	0.4	22	0.5	22	0.5	92	2.0		156	39	4,474,025	0.9	
Lymphogranuloma venereum	0	0.0	0	0.0	0	0.0	0	0.0		0	0	4,474,025	0.0	
Malaria	11	0.2	10	0.2	14	0.3	3	0.1	38	10	4,474,025	0.2		
Measles	0	0.0	0	0.0	2	0.0	0	0.0	2	1	4,474,025	<0.1		
Meningococcal disease	2	0.0	6	0.1	8	0.2	2	0.0	18	5	4,474,025	<0.1		
Mumps	19	0.4	8	0.2	6	0.1	11	0.2	44	11	4,474,025	<0.2		

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

^h Perinatal Hepatitis C 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.

^j Data reported through June 30, 2016. HIV (not AIDS) cases represent those who had not progressed to AIDS as of 06/30/2016, by year of initial HIV disease diagnosis.

^k Influenza-associated mortality, regardless of age or pregnancy status, was not reportable in Kentucky until November 2016.

^l Not reportable in Kentucky until November 2016

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Novel Influenza A	0	0.0	0	0.0	0	0.0	0	0.0	2021 Data Available Late 2022		0	0	4,474,025	0.0
Pertussis	449	10.1	198	4.4	214	4.8	74	1.6		935	234	4,474,025	5.2	
Plague	0	0.0	0	0.0	0	0.0	0	0.0		0	0	4,474,025	0.0	
Poliomyelitis	0	0.0	0	0.0	0	0.0	0	0.0		0	0	4,474,025	0.0	
Psittacosis	0	0.0	0	0.0	0	0.0	0	0.0		0	0	4,474,025	0.0	
Q Fever	6	0.1	3	0.1	0	0.0	3	0.1		12	3	4,474,025	<0.1	
Rabies, Animal	10	0.2	19	0.4	14	0.3	17	0.4		60	15	4,474,025	-	
Rabies, human	0	0.0	0	0.0	0	0.0	0	0.0		0	0	4,474,025	0.0	
Rubella	0	0.0	0	0.0	0	0.0	0	0.0		0	0	4,474,025	0.0	
Salmonellosis	677	15.2	661	14.8	748	16.7	667	14.8		2,753	688	4,474,025	15.4	
Severe Acute Respiratory Syndrome-associated Coronavirus (SARS-CoV) ^d	0	0.0	0	0.0	0	0.0	277,976	6169.2		277,976		4,474,025		
Shiga toxin-producing <i>Escherichia coli</i> (STEC)	59	1.3	182	4.1	379	8.5	182	4.0		802	201	4,474,025	4.5	
Shigellosis	275	6.2	95	2.1	124	2.8	55	1.2		549	137	4,474,025	3.1	
Smallpox	0	0.0	0	0.0	0	0.0	0	0.0		0	0	4,474,025	0.0	
Spotted Fever Rickettsiosis	250	5.6	218	4.9	347	7.8	216	4.8		1,031	258	4,474,025	5.8	
Streptococcal toxic shock syndrome	12	0.3	10	0.2	14	0.3	8	0.2		44	11	4,474,025	0.2	
<i>Streptococcus pneumoniae</i> , invasive disease	396	8.9	423	9.5	384	8.6	203	4.5		1,406	352	4,474,025	7.9	
Syphilis	722	16.2	882	19.7	1,096	24.5	445	9.9		3,145	786	4,474,025	17.6	
Tetanus	0	0.0	1	0.0	1	0.0	0	0.0		2	1	4,474,025	<0.1	
Toxic Shock Syndrome (Other than Streptococcal)	0	0.0	0	0.0	0	0.0	0	0.0		0	0	4,474,025	0.0	
Toxoplasmosis	37	0.8	7	0.2	12	0.3	2	0.0		58	15	4,474,025	0.3	
Trichinellosis (Trichinosis) ^d	0	0.0	0	0.0	0	0.0	0	0.0		-	-	4,474,025	-	
Tuberculosis	65	1.5	65	1.5	66	1.5	67	1.5		263	66	4,474,025	1.5	
Tularemia	2	0.0	7	0.2	13	0.3	5	0.1		27	7	4,474,025	0.2	
Typhoid Fever	2	0.0	0	0.0	0	0.0	1	0.0		3	1	4,474,025	<0.1	
Varicella ^k	15	0.3	34	0.8	57	1.3	16	0.4		122	31	4,474,025	0.7	
Vibriosis	18	0.4	42	0.9	31	0.7	18	0.4		109	27	4,474,025	0.6	
Viral Hemorrhagic Fevers														
Crimean-Congo Hemorrhagic Fever virus ^d	0	0.0	0	0.0	0	0.0	0	0.0	-	-	4,474,025	-		
Ebola Virus ^d	0	0.0	0	0.0	0	0.0	0	0.0	-	-	4,474,025	-		
Lassa Virus ^d	0	0.0	0	0.0	0	0.0	0	0.0	-	-	4,474,025	-		
Lujo Virus ^d	0	0.0	0	0.0	0	0.0	0	0.0	-	-	4,474,025	-		
Marburg Virus ^d	0	0.0	0	0.0	0	0.0	0	0.0	-	-	4,474,025	-		
New World Arenaviruses ^d	0	0.0	0	0.0	0	0.0	0	0.0	-	-	4,474,025	-		
Yellow Fever	0	0.0	0	0.0	0	0.0	0	0.0	0	0	4,474,025	0.0		

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