



Wayne County Department of Health, Human & Veterans Services

Select Communicable Disease Quarterly Report

January-December (Q1-Q4) 2024

This report provides an overview of select reportable diseases in Wayne County, excluding Detroit, for the full year of 2024 (January 1 – December 31). The 2024 disease surveillance report highlights key trends, seasonal variations, and emerging public health concerns across multiple disease categories. This analysis focuses on Quarter 4 (Q4) data in comparison to previous quarters to identify notable patterns.

In Q4 2024, COVID-19 cases showed a decline compared to previous quarters, while RSV cases increased by 390 cases. Norovirus cases rose from 2 in Q3 to 12 in Q4. Legionellosis peaked in Q3 with 31 reported cases but declined significantly to 6 cases in Q4.

Streptococcus pneumoniae cases decreased in Q4, with 1 total cases—one of the lowest reported quarters to date. Chlamydia cases showed a slight decline in Q4 (843 cases) compared to Q3 (911 cases). Chronic hepatitis C cases remained the same from Q3 and Q4 with 80 cases.

Pertussis cases more than doubled in Q4 (68 cases) compared to Q3 (27 cases). Shingles cases, after peaking in Q3 (56 cases), declined sharply in Q4 (13 cases). Lyme disease cases also decreased, with 4 reported in Q4 compared to 9 in Q3.

Table 1. Quarterly and Cumulative Case Counts by Disease Group of Select Diseases in Wayne County Excluding Detroit by and through the latest quarter.

Disease Group	Q1 2024 (1/1-3/31)	Q2 2024 (4/1-6/30)	Q3 2024 (7/1-9/30)	Q4 2024 (10/01-12/31)	Q1-Q4 2024 Total
COVID-19	9,631	2,028	7,047	4,481	23,187
Foodborne	102	104	166	105	477

Influenza	5,226	1,037	125	1,602	7,990
Meningitis	40	19	29	28	116
Other	116	124	102	83	425
Rabies	72	53	65	65	255
Sexually Transmitted Diseases	1,227	1,165	1,283	1,170	4,845
Tuberculosis	27	35	39	46	147
Vaccine Preventable Diseases	81	83	131	105	400
Vectorborne	2	6	14	7	29
Viral Hepatitis	116	132	138	148	534
TOTAL	16,640	4,786	9,139	7,840	38,405

Table 2. Quarterly and Cumulative Case of Select Diseases in Wayne County Excluding Detroit by and through the latest quarter.

Disease Group	Disease	Q1 2024 (1/1-3/31)	Q2 2024 (4/1-6/30)	Q3 2024 (7/1-9/30)	Q4 2024 (10/01-12/31/2024)	Q1-Q4 2024 Total
COVID-19	COVID-19	9,631	2,028	7,047	4,481	23,187
Foodborne	Campylobacter	31	40	71	38	180
	Cryptosporidiosis	4	5	12	6	27
	Giardiasis	17	6	16	11	50
	Listeriosis	1	0	0	1	2
	Norovirus	17	6	2	12	37
	Salmonellosis	14	27	31	22	94
	Shiga toxin-producing E. Coli	3	8	11	5	27
	Shigellosis	10	6	18	5	39
	Typhoid Fever	1	0	2	0	3
	Yersinia Enteritis	4	6	3	5	18
Influenza	Influenza	5,090	1,034	125	1,212	7,461
	RSV	136	3	0	390	529
Meningitis	Meningitis-Aseptic	5	5	11	3	24
	Meningitis-Bacterial Other	4	2	4	1	11
	Meningococcal Disease	2	0	1	0	3
	Streptococcus Pneumoniae, Inv	29	12	13	24	78
Other	CPO	7	14	11	12	44
	Candida Auris	43	50	34	33	160
	Cyclosporiasis	0	1	3	0	4

	Encephalitis, Post Other	3	1	0	0	4
	Guillain-Barre Syndrome	1	1	2	3	7
	Histoplasmosis	7	4	2	3	16
	Kawasaki	3	1	0	2	6
	Legionellosis	6	20	31	6	63
	Mpox	0	0	1	0	1
	Staphylococcus Aureus Infection	1	0	0	1	2
	Streptococcal Dis, Inv, Grp A	37	29	13	22	101
	Streptococcus Pneumoniae, Drug Resistant	6	2	2	1	11
	Toxic Shock	0	1	0	0	1
	Vibriosis-Non Cholera	2	0	3	0	5
Rabies	Rabies Animal	0	2	0	0	2
	Rabies: Potential Exposure & PEP	72	51	65	65	253
Sexually Transmitted Diseases	Chlamydia (Genital)	896	867	911	843	3517
	Gonorrhea	321	277	350	313	1,261
	Syphilis- Congenital	3	2	3	0	8
	Syphilis-Primary	1	5	4	5	15
	Syphilis-Secondary	6	14	15	9	44
Tuberculosis	Latent Tuberculosis Infection	4	1	0	6	11
	Nontuberculous Mycobacterium	21	31	32	35	119
	Tuberculosis	2	3	7	5	17
Vaccine Preventable Diseases	Chickenpox (Varicella)	0	3	2	4	9
	H. Influenzae Disease	9	7	5	13	34
	Measles	1	0	1	0	2
	Mumps	1	0	0	0	1
	Pertussis	7	9	27	68	111
	Shingles	8	21	56	13	98
	VZ Infection, Unspecified	55	43	40	7	145
Vectorborne	Dengue Fever	2	0	1	2	5
	Lyme Disease	0	4	9	4	17
	Malaria	0	2	2	1	5
	West Nile Virus	0	0	2	0	2
Viral Hepatitis	Hepatitis A	0	1	0	0	1
	Hepatitis B, Acute	1	0	0	0	1
	Hepatitis B Chronic	32	47	54	68	201
	Hepatitis C, Acute	0	1	4	0	5
	Hepatitis C Chronic	83	83	80	80	326