



RICHMOND & HENRICO HEALTH DISTRICTS

2024 Communicable Disease Report

Welcome to the Communicable Disease Report for the Richmond and Henrico Health Districts (RHHD). A foundational component of our organizational mission is to protect health. Our dedicated RHHD staff work towards that mission daily to investigate thousands of reports of suspected infectious diseases and outbreaks each year. This report provides a high-level overview of that work.

If you have any questions about the information provided in this report, feel free to contact RHHD Epidemiology Supervisor, Louise Lockett Gordon, by email at louise.lockettgordon@vdh.virginia.gov or 804-501-5725.

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Reported Cases of Communicable Diseases, Richmond City

Data for year 2024 is as of February 24, 2025 and some counts may fluctuate while data processing is in progress.

	2019	2020	2021	2022	2023	2024	6-YR Total
Enteric Illnesses	98	62	74	71	123	157	585
Amebiasis	1	1	2	1	0	2	7
Campylobacteriosis	32	15	22	19	31	56	175
Cryptosporidiosis	8	3	6	5	2	5	29
Cyclosporiasis	10	0	0	1	5	8	24
E. coli infection, shiga toxin-producing	5	4	4	6	10	15	44
Giardiasis	5	4	8	5	15	7	44
Hepatitis A	3	0	1	2	0	3	9
Listeriosis	1	0	1	1	1	0	4
Paratyphoid (Salmonella paratyphi)	0	0	0	0	1	0	1
Salmonellosis	23	23	25	16	31	32	150
Shigellosis	8	5	4	8	19	20	64
Vibriosis, non-cholera	1	4	0	4	1	1	11
Yersiniosis	1	3	1	3	7	8	23
Healthcare Associated Infections	6	5	8	17	43	59	138
Candida auris, infection or colonization	0	0	4	1	33	46	84
Carbapenamase-producing Carbapenem resistant Enterobacterales (CP-CRE) (E. coli, Enterobacter and Klebsiella spp)	6	2	3	8	6	0	25
Carbapenamase-producing Carbapenem resistant Enterobacterales (CP-CRE), other	0	2	1	0	3	0	6
Carbapenamase-producing organism (CPO), no organism identified	0	0	0	0	0	18	18
Carbapenamase-producing organism (CPO), non-Enterobacteriaceae	0	1	0	8	1	4	14
Viral Hepatitis	570	297	246	395	309	367	2,182
Hepatitis B, acute	3	1	0	2	0	0	6
Hepatitis B, chronic	50	41	32	31	44	46	244
Hepatitis B, perinatal infection	0	0	0	0	0	0	0
Hepatitis C, acute	1	0	0	0	1	1	3
Hepatitis C, chronic	521	267	219	363	263	294	1,927
Hepatitis C, perinatal infection	0	1	0	0	1	0	2
Respiratory Diseases	12	9,398	18,949	26,226	6,460	5,044	66,089
Coronavirus Disease 2019 (COVID-19)		9,382	18,942	26,216	6,448	5,037	66,025
Legionellosis	9	10	5	6	10	0	40
Tuberculosis	3	6	2	4	2	7	24
Sexually Transmitted Infections	4,753	4,032	3,924	3,717	4,064	4,075	24,565
Chlamydia trachomatis infection	3,182	2,529	2,504	2,436	2,585	2,428	15,664
Gonorrhea	1,356	1,301	1,232	1,025	1,188	1,410	7,512
Early syphilis	156	138	115	151	235	237	1,056

Human immunodeficiency virus (HIV)	59	55	72	87	60	*	333*
Toxic Substance Exposures	49	44	69	53	63	25	303
Arsenic	1	2	3	3	1	1	11
Lead - Adults	21	5	17	16	10	6	75
Lead - Children	27	36	49	33	51	18	214
Mercury, elevated levels	0	1	0	1	1	0	3
Vaccine Preventable Diseases	17	9	7	7	13	27	80
Haemophilus influenzae, invasive	4	4	3	4	4	6	25
Meningococcal disease (Neisseria meningitidis)	2	0	0	0	0	1	3
Mumps	3	2	0	0	0	1	6
Pertussis	4	0	0	0	6	17	27
Streptococcus pneumoniae, invasive (age less than 5)	0	1	1	1	1	1	5
Varicella (Chickenpox)	4	2	3	2	2	1	14
Vectorborne Diseases	13	1	0	12	4	5	35
Babesiosis	0	0	0	1	0	0	1
Ehrlichia chaffeensis infection	0	0	0	1	1	1	3
Lyme disease	11	0	0	8	3	2	24
Malaria	1	0	0	2	0	1	4
Spotted Fever Rickettsiosis (including RMSF)	1	0	0	0	0	0	1
Tularemia	0	0	0	0	0	0	0
West Nile infection, neuroinvasive	0	1	0	0	0	1	2
Other Conditions	14	18	18	48	13	19	130
Mpox				37	0	2	39
Streptococcus, Group A, invasive	13	18	18	11	13	17	90
Toxic-shock syndrome, streptococcal	1	0	0	0	0	0	1
Grand Total	5,537	13,879	23,300	30,547	11,092	9,761	94,116

*Human immunodeficiency virus (HIV) data for 2024 is in process at the time of this report. An updated version will be issued when that data is finalized.

Outbreaks, Richmond City

In 2024, Richmond City Health District investigated a total of 51 outbreak events.

The majority of outbreaks were caused by respiratory illnesses, including 34 COVID-19 outbreaks (66%) and 6 total influenza outbreaks (11%).

Outbreaks were identified in a number of settings, which are grouped as:

- Childcare
- Congregate (e.g. adult day center, apartment, business/workplace, restaurant, etc.)
- Education (private and public K-12, colleges, universities)
- Healthcare (e.g. hospitals, medical office, medical facility non-long term care)
- Long term care facilities (e.g. assisted living, behavioral health residential, group home, multicare, nursing home)

Most occurred in childcare and education settings (51%) or long term care settings (41%).

Outbreak Type	No. of Outbreaks in 2024
Dermatological	4
Hand, Foot and Mouth Disease (HFMD)	2
Parvovirus B19 (human)	1
Undetermined cause	1
Gastrointestinal	1
Undetermined cause	1
Respiratory	44
COVID-19	34
Enterovirus/Rhinovirus	2
Influenza, unspecified	4
Influenza A	2
Multiple organisms	1
Respiratory Syncytial Virus (RSV)	1
Other	2
Catheter-associated urinary tract infections (UTIs), multiple organisms	1
Conjunctivitis	1
Grand Total	51

Setting Type	No. of Outbreaks in 2024
Childcare	5
Congregate	1
Education (K-12 and college/university)	21
Healthcare	3
Long term care facilities	21
Grand Total	51

Reported Cases of Communicable Diseases, Henrico County

Data for year 2024 is as of February 24, 2025 and some counts may fluctuate while data processing is in progress.

	2019	2020	2021	2022	2023	2024	6YR TOTAL
Enteric Illnesses	174	92	119	131	152	187	855
Amebiasis	0	0	0	1	1	1	3
Campylobacteriosis	55	31	35	46	56	64	287
Cryptosporidiosis	3	3	3	7	3	5	24
Cyclosporiasis	26	1	1	1	9	18	56
E. coli infection, shiga toxin-producing	8	6	10	15	12	18	69
Giardiasis	13	10	9	7	10	9	58
Hemolytic uremic syndrome	1	0	0	0	1	0	2
Hepatitis A	4	2	2	0	3	0	11
Listeriosis	1	2	0	2	0	2	7
Paratyphoid (Salmonella paratyphi)	2	0	0	0	2	1	5
Salmonellosis	40	25	44	33	29	45	216
Shigellosis	13	2	5	7	10	9	46
Typhoid (Salmonella typhi)	0	0	1	0	0	0	1
Vibriosis, non-cholera	4	6	3	6	6	4	29
Yersiniosis	4	4	6	6	10	11	41
Healthcare Associated Infections	11	5	9	25	29	111	190
Candida auris, infection or colonization	0	0	4	15	12	67	98
Carbapenamase-producing Carbapenem resistant Enterobacterales (CP-CRE) (E. coli, Enterobacter and Klebsiella spp)	9	4	3	9	8	0	33
Carbapenamase-producing Carbapenem resistant Enterobacterales (CP-CRE), other	1	1	0	0	0	0	2
Carbapenemase-producing organism (CPO), infection or colonization	0	0	0	0	0	36	36
Carbapenamase-producing organism (CPO), no organism identified	0	0	1	0	0	5	6
Carbapenamase-producing organism (CPO), non-Enterobacteriaceae	1	0	1	1	9	3	15
Viral Hepatitis	510	326	279	275	229	240	1,859
Hepatitis B, acute	1	1	1	2	2	3	10
Hepatitis B, perinatal infection	0	0	1	0	0	0	1
Hepatitis B, chronic	90	72	77	71	84	64	458
Hepatitis C, acute	3	2	1	2	3	1	12
Hepatitis C, perinatal infection	1	0	0	1	0	0	2
Hepatitis C, chronic	415	251	199	199	140	172	1,376
Respiratory Diseases	19	13,019	33,411	45,401	10,657	8,164	110,671
Coronavirus Disease 2019 (COVID-19)		12,995	33,400	45,383	10,646	8,147	110,571
Legionellosis	5	12	6	10	2	7	42
Tuberculosis	14	12	5	8	9	10	58

Sexually Transmitted Infections	3,055	2,965	2,692	2,812	2,946	2,896	17,366
Chlamydia trachomatis infection	2,143	1,937	1,888	1,997	1,989	1,897	11,851
Gonorrhea	779	900	693	685	782	921	4,760
Early syphilis	88	97	69	93	126	78	551
Human immunodeficiency virus (HIV)	45	31	42	37	49	*	204*
Toxic Substance Exposures	78	49	72	89	135	412	565
Arsenic	1	0	2	1	1	0	5
Lead - Adults	9	12	15	17	10	14	77
Lead - Children	68	37	54	69	122	128	478
Mercury, elevated levels	0	0	1	2	2	0	5
Vaccine Preventable Diseases	34	11	16	19	23	60	163
Haemophilus influenzae, invasive	3	0	5	3	8	18	37
Meningococcal disease (Neisseria meningitidis)	2	0	0	0	1	0	3
Mumps	2	0	0	0	1	1	4
Pertussis	5	5	2	5	1	35	53
Streptococcus pneumoniae, invasive (age less than 5)	0	0	1	1	3	2	7
Varicella (Chickenpox)	22	6	8	10	9	4	59
Vectorborne Diseases	16	5	10	23	27	15	96
Anaplasmosis	0	0	0	0	0	1	1
Babesiosis	0	0	0	1	0	0	1
Chikungunya virus diseases	0	0	0	1	0	0	1
Ehrlichia chaffeensis	0	2	1	1	1	0	5
Lyme disease	7	3	4	14	19	9	56
Malaria	2	0	3	2	4	5	16
Spotted Fever Rickettsiosis (including RMSF)	5	0	2	4	1	0	12
Tularemia	1	0	0	0	0	0	1
West Nile infection, neuroinvasive	0	0	0	0	2	0	2
Zika virus disease, non-congenital	1	0	0	0	0	0	1
Other Conditions	17	10	22	39	26	30	144
Mpox				23	0	1	24
Streptococcus, Group A, invasive	15	10	22	16	26	24	113
Toxic-shock syndrome, streptococcal	2	0	0	0	0	5	7
Grand Total	3,914	16,482	36,630	48,814	14,224	11,845	131,909

*Human immunodeficiency virus (HIV) data for 2024 is in process at the time of this report. An updated version will be issued when that data is finalized.

Outbreaks, Henrico County

In 2024, Henrico County Health District investigated a total of 103 outbreak events.

The majority of outbreaks were caused by respiratory illnesses, including 52 COVID-19 outbreaks (50%) and 11 total influenza outbreaks (10%). Gastrointestinal illnesses made up 12% of reported outbreaks, with the most being attributed to norovirus or viral gastroenteritis.

Outbreaks were identified in a number of settings, which are grouped as:

- Childcare
- Congregate (e.g. adult day center, apartment, business/workplace, restaurant, etc.)
- Education (private and public K-12, colleges, universities)
- Healthcare (e.g. hospitals, medical office, medical facility non-long term care)
- Long term care facilities (e.g. assisted living, behavioral health residential, group home, multicare, nursing home)

Most occurred in long term care settings (49%) or child or education settings (43%).

Outbreak Type	No. of Outbreaks in 2024
Dermatological	
Hand, Foot and Mouth Disease (HFMD)	5
Scabies	1
Tinea corporis (ringworm)	1
Undetermined	2
Gastrointestinal	
Campylobacter	1
Cyclospora	1
E. coli	1
Norovirus	1
Viral Gastroenteritis	7
Undetermined	2
Respiratory	
COVID-19	52
Enterovirus/Rhinovirus	1
Influenza, unspecified	8
Influenza A	1
Influenza B	2
Respiratory Syncytial Virus (RSV)	2
Streptococcus	1
Streptococcus pyogenes	1
Undetermined	5
Sepsis/Viremia	
Streptococcus pyogenes	1
Other	
Candida auris	2
Conjunctivitis	2
Enterobius vermicularis (pinworm)	1
Staphylococcus epidermidis	1
Grand Total	
103	

Setting Type	No. of Outbreaks in 2024
Childcare	16
Congregate	5
Education (K-12 and college/university)	29
Healthcare	2
Long term care facilities	51
Grand Total	
103	