

**Table 2. Ten Year Trend in Number of Reported Cases of Selected  
Diseases, Virginia, 1982-1991**

DISEASE	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
AIDS *	6	21	42	102	167	268	377	445	649	671
Amebiasis	68	91	33	78	44	50	19	24	18	31
Aseptic meningitis	262	338	264	418	311	281	210	417	386	463
Bacterial meningitis	213	244	233	256	239	199	187	191	144	135
Campylobacteriosis	440	588	664	746	591	639	731	689	598	640
Chickenpox	924	1277	1189	1789	2324	2754	1733	3492	2677	2942
Encephalitis, primary	45	61	33	33	45	41	41	47	58	48
Giardiasis	191	195	254	409	302	262	250	304	359	459
Gonorrhea	21103	21122	20199	19121	18742	14353	14464	15993	17652	17256
Hepatitis A	189	126	124	171	153	244	362	334	302	191
Hepatitis B	507	528	522	558	540	448	343	321	279	219
Hepatitis Non-A Non-B	87	83	99	101	77	51	77	70	46	37
Histoplasmosis	12	13	24	7	6	8	7	11	6	5
Influenza	398	911	1129	1007	4942	1284	2524	2108	937	1392
Kawasaki syndrome	15	39	22	30	25	31	14	23	24	24
Legionellosis	29	24	33	27	29	12	11	13	13	17
Malaria	41	31	36	23	36	27	23	47	54	52
Measles	14	23	5	28	60	1	239	22	86	30
Meningococcal infection	72	81	66	57	79	72	59	73	58	39
Mumps	44	37	20	49	46	88	139	125	108	70
Occupational illnesses	67	31	20	50	45	209	180	219	69	146
Pertussis	29	50	19	21	56	58	29	37	25	24
Rabies in animals	745	625	208	179	200	363	366	262	202	253
Rocky Mtn spotted fever	74	60	47	24	51	22	17	18	25	21
Salmonellosis	1468	1471	1255	1651	1456	1830	1733	1452	1491	1312
Shigellosis	159	285	201	88	101	247	497	410	158	384
Syphilis, early	1172	1035	771	560	567	568	822	1088	1551	1622
Tuberculosis	672	520	473	488	415	458	406	380	410	379
Typhoid fever	4	16	8	3	11	10	13	7	6	11

\*Some numbers have changed from those previously reported due to a reassessment of the data.

Table 3. Number of Reported Cases and Rate per 100,000 Population for Selected Diseases by Health Planning Region, Virginia, 1991

DISEASE	TOTAL		NORTHWEST REGION		NORTHERN REGION		SOUTHWEST REGION		CENTRAL REGION		EASTERN REGION	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Total Population	6187358		835408		1466409		1244783		1062355		1578403	
AIDS	671	10.84	48	5.75	246	16.78	72	5.78	158	14.87	147	9.31
Amebiasis	31	0.50	1	0.12	17	1.16	3	0.24	5	0.47	5	0.32
Aseptic meningitis	463	7.48	25	2.99	157	10.71	50	4.02	88	8.28	143	9.06
Bacterial meningitis	135	2.18	34	4.07	12	0.82	27	2.17	19	1.79	43	2.72
Campylobacteriosis	640	10.34	144	17.24	148	10.09	110	8.84	140	13.18	98	6.21
Chickenpox	2942	47.55	101	12.09	287	19.57	272	21.85	122	11.48	2160	136.85
Chlamydia trachomatis inf.	16717	270.18	1888	226.00	2295	156.50	2565	206.06	3464	326.07	6505	412.13
Encephalitis, primary	48	0.78	9	1.08	16	1.09	6	0.48	3	0.28	14	0.89
Giardiasis	459	7.42	59	7.06	141	9.62	57	4.58	82	7.72	120	7.60
Gonorrhea	17256 *	278.89	751	89.90	1403	95.68	1579	126.85	3551	334.26	9971	631.71
H. influenzae infection	62	1.00	22	2.63	7	0.48	7	0.56	10	0.94	16	1.01
Hepatitis A	191	3.09	11	1.32	96	6.55	10	0.80	33	3.11	41	2.60
Hepatitis B	219	3.54	12	1.44	45	3.07	43	3.45	40	3.77	79	5.01
Hepatitis Non-A Non-B	37	0.60	5	0.60	14	0.95	6	0.48	6	0.56	6	0.38
Histoplasmosis	5	0.08	1	0.12	1	0.07	0	0.00	2	0.19	1	0.06
HIV infection	1636	26.44	116	13.89	270	18.41	154	12.37	507	47.72	589	37.32
Influenza	1392	22.50	197	23.58	10	0.68	597	47.96	230	21.65	358	22.68
Kawasaki syndrome	24	0.39	2	0.24	12	0.82	3	0.24	1	0.09	6	0.38
Legionellosis	17	0.27	5	0.60	6	0.41	3	0.24	2	0.19	1	0.06
Lyme disease	151	2.44	19	2.27	47	3.21	28	2.25	21	1.98	36	2.28
Malaria	52	0.84	2	0.24	44	3.00	0	0.00	0	0.00	6	0.38
Measles	30	0.48	2	0.24	14	0.95	0	0.00	10	0.94	4	0.25
Meningococcal infection	39	0.63	5	0.60	8	0.55	10	0.80	8	0.75	8	0.51
Mumps	70	1.13	8	0.96	24	1.64	8	0.64	9	0.85	21	1.33
Pertussis	24	0.39	4	0.48	8	0.55	5	0.40	5	0.47	2	0.13
Rabies in animals	253	--	72	--	63	--	26	--	35	--	57	--
Rocky Mtn spotted fever	21	0.34	2	0.24	1	0.07	7	0.56	4	0.38	7	0.44
Salmonellosis	1312	21.20	159	19.03	405	27.62	179	14.38	281	26.45	288	18.25
Shigellosis	384	6.21	40	4.79	75	5.11	220	17.67	29	2.73	20	1.27
Syphilis, early	1622	26.21	59	7.06	270	18.41	171	13.74	497	46.78	625	39.60
Tuberculosis	379	6.13	42	5.03	116	7.91	26	2.09	71	6.68	124	7.86
Typhoid fever	11	0.18	1	0.12	8	0.55	1	0.08	0	0.00	1	0.06

\* Location of 1 case unknown

**Table 4. Number of Reported Cases and Rate per 100,000 Population for Selected Diseases by Age, Virginia, 1991**

Disease	Infants		Age 1-9		Age 10-19		Age 20-29		Age 30-39		Age 40-49		Age 50+		Unk. No.
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	
Total Population	79,469		788047		837087		1094107		1084705		845495		1458448		
AIDS	14	17.62	1	0.13	3	0.36	134	12.25	285	26.27	165	19.52	69	4.73	0
Amebiasis	0	0.00	9	1.14	3	0.36	10	0.91	2	0.18	4	0.47	1	0.07	2
Aseptic meningitis	88	110.74	83	10.53	56	6.69	117	10.69	74	6.82	19	2.25	20	1.37	6
Bacterial meningitis	49	61.66	19	2.41	6	0.72	8	0.73	6	0.55	9	1.06	37	2.54	1
Campylobacteriosis	30	37.75	98	12.44	40	4.78	164	14.99	112	10.33	71	8.40	85	5.83	40
Chlamydia trachomatis inf.	---	---	50	6.34	6790	811.15	7422	678.36	1325	122.15	148	31.26	124 *	6.77	858
Encephalitis, primary	5	6.29	3	0.38	8	0.96	1	0.09	9	0.83	9	1.06	13	0.89	0
Giardiasis	1	1.26	157	19.92	22	2.63	66	6.03	91	8.39	51	6.03	32	2.19	39
Gonorrhea	---	---	20	2.54	4947	590.98	8215	750.84	2715	250.30	488	103.06	402 *	21.96	469
H. influenzae infection	22	27.68	18	2.28	2	0.24	1	0.09	2	0.18	2	0.24	15	1.03	0
Hepatitis A	2	2.52	20	2.54	18	2.15	55	5.03	43	3.96	21	2.48	27	1.85	5
Hepatitis B	1	1.26	3	0.38	15	1.79	81	7.40	67	6.18	21	2.48	25	1.71	6
Hepatitis Non-A Non-B	0	0.00	2	0.25	0	0.00	4	0.37	12	1.11	5	0.59	13	0.89	1
Histoplasmosis	0	0.00	0	0.00	0	0.00	0	0.00	2	0.18	1	0.12	2	0.14	0
HIV infection	3	3.78	10	1.27	43	5.14	622	56.85	637	58.73	250	29.57	133	9.12	0
Kawasaki syndrome	3	3.78	19	2.41	2	0.24	0	0.00	0	0.00	0	0.00	0	0.00	0
Legionellosis	0	0.00	0	0.00	0	0.00	1	0.09	1	0.09	4	0.47	11	0.75	0
Lyme disease	0	0.00	19	2.41	8	0.96	31	2.83	19	1.75	22	2.60	48	3.29	4
Malaria	0	0.00	8	1.02	6	0.72	10	0.91	11	1.01	9	1.06	6	0.41	2
Measles	3	3.78	8	1.02	10	1.19	9	0.82	0	0.00	0	0.00	0	0.00	0
Meningococcal infection	8	10.07	14	1.78	9	1.08	2	0.18	1	0.09	0	0.00	5	0.34	0
Mumps	1	1.26	31	3.93	25	2.99	9	0.82	0	0.00	1	0.12	3	0.21	0
Pertussis	18	22.65	4	0.51	2	0.24	0	0.00	0	0.00	0	0.00	0	0.00	0
Rocky Mtn spotted fever	0	0.00	5	0.63	2	0.24	3	0.27	3	0.28	3	0.35	5	0.34	0
Salmonellosis	199	250.41	317	40.23	71	8.48	169	15.45	150	13.83	97	11.47	222	15.22	87
Shigellosis	1	1.26	188	23.86	48	5.73	56	5.12	35	3.23	23	2.72	18	1.23	15
Syphilis, early	---	---	0	0.00	231	27.60	785	71.75	419	38.63	86	18.16	94 *	5.14	7
Tuberculosis	0	0.00	16	2.03	5	0.60	48	4.39	60	5.53	47	5.56	203	13.92	0
Typhoid fever	0	0.00	2	0.25	2	0.24	5	0.46	1	0.09	1	0.12	0	0.00	0

\*Age 40-44

\*\*Age 45 +

**Table 5. Number of Reported Cases and Rate per 100,000  
Population for Selected Diseases by Race, Virginia, 1991**

DISEASE	Total		White		Nonwhite		Unk. No.
	No.	Rate	No.	Rate	No.	Rate	
Population	6,187,358		4,791,739		1,395,619		
AIDS	671	10.84	365	7.62	306	21.93	0
Amebiasis	31	0.50	7	0.15	12	0.86	12
Aseptic meningitis	463	7.48	262	5.47	105	7.52	96
Bacterial meningitis	135	2.18	87	1.82	43	3.08	5
Campylobacteriosis	640	10.34	233	4.86	35	2.51	372
Chlamydia trachomatis inf.	16717	270.18	4573	95.44	8246	590.85	3898
Encephalitis, primary	48	0.78	25	0.52	12	0.86	11
Giardiasis	459	7.42	209	4.36	67	4.80	183
Gonorrhea	17256	278.89	1183	24.69	14893	1067.13	1180
H. influenzae infection	62	1.00	46	0.96	14	1.00	2
Hepatitis A	191	3.09	139	2.90	34	2.44	18
Hepatitis B	219	3.54	109	2.27	96	6.88	14
Hepatitis Non-A Non-B	37	0.60	23	0.48	10	0.72	4
Histoplasmosis	5	0.08	2	0.04	0	0.00	3
HIV infection	1636	26.44	511	10.66	1125	80.61	0
Kawasaki syndrome	24	0.39	12	0.25	10	0.72	2
Legionellosis	17	0.27	10	0.21	5	0.36	2
Lyme disease	151	2.44	127	2.65	14	1.00	10
Malaria	52	0.84	7	0.15	37	2.65	8
Measles	30	0.48	10	0.21	18	1.29	2
Meningococcal infection	39	0.63	29	0.61	7	0.50	3
Mumps	70	1.13	31	0.65	23	1.65	16
Pertussis	24	0.39	4	0.08	2	0.14	18
Rocky Mtn spotted fever	21	0.34	16	0.33	4	0.29	1
Salmonellosis	1312	21.20	401	8.37	224	16.05	687
Shigellosis	384	6.21	138	2.88	88	6.31	158
Syphilis, early	1622	26.21	150	3.13	1468	105.19	4
Tuberculosis	379	6.13	122	2.55	257	18.41	0
Typhoid fever	11	0.18	6	0.13	4	0.29	1

**Table 6. Number of Reported Cases and Rate per 100,000  
Population by Sex for Selected Diseases, Virginia, 1991**

DISEASE	TOTAL		Female		Male		Unk. No.
	No.	Rate	No.	Rate	No.	Rate	
Total Population	6,187,358		3,153,384		3,033,974		
AIDS	671	10.84	77	2.44	594	19.58	0
Amebiasis	31	0.50	10	0.32	21	0.69	0
Aseptic meningitis	463	7.48	234	7.42	228	7.51	1
Bacterial meningitis	135	2.18	65	2.06	70	2.31	0
Campylobacteriosis	640	10.34	300	9.51	321	10.58	19
Chlamydia trachomatis inf.	16717	270.18	15861	502.98	856	28.21	0
Encephalitis, primary	48	0.78	21	0.67	27	0.89	0
Giardiasis	459	7.42	218	6.91	220	7.25	21
Gonorrhea	17256	278.89	6995	221.83	10261	338.20	0
H. influenzae infection	62	1.00	23	0.73	39	1.29	0
Hepatitis A	191	3.09	67	2.12	122	4.02	2
Hepatitis B	219	3.54	96	3.04	122	4.02	1
Hepatitis Non-A Non-B	37	0.60	16	0.51	21	0.69	0
Histoplasmosis	5	0.08	1	0.03	4	0.13	0
HIV infection	1636	26.44	382	12.11	1254	41.33	0
Kawasaki syndrome	24	0.39	9	0.29	15	0.49	0
Legionellosis	17	0.27	3	0.10	14	0.46	0
Lyme disease	151	2.44	76	2.41	75	2.47	0
Malaria	52	0.84	23	0.73	29	0.96	0
Measles	30	0.48	17	0.54	13	0.43	0
Meningococcal infection	39	0.63	17	0.54	22	0.73	0
Mumps	70	1.13	35	1.11	35	1.15	0
Pertussis	24	0.39	13	0.41	11	0.36	0
Rocky Mtn spotted fever	21	0.34	6	0.19	14	0.46	1
Salmonellosis	1312	21.20	650	20.61	619	20.40	43
Shigellosis	384	6.21	206	6.53	167	5.50	11
Syphilis, early	1622	26.21	788	24.99	830	27.36	4
Tuberculosis	379	6.13	153	4.85	226	7.45	0
Typhoid fever	11	0.18	2	0.06	9	0.30	0

**Table 7. Number and Percent of Reported Cases by Quarter of Onset, Virginia, 1991**

DISEASE	Total	In 1990		Quarter 1		Quarter 2		Quarter 3		Quarter 4		Unk.
		No.	Percent	No.	Percent	No.	Percent	No.	Percent	No.	Percent	
Amebiasis	31	1	3.23	9	29.03	7	22.58	10	32.26	4	12.90	0
Aseptic meningitis	463	15	3.24	49	10.58	91	19.65	227	49.03	78	16.85	3
Bacterial meningitis	135	22	16.30	28	20.74	32	23.70	27	20.00	22	16.30	4
Campylobacteriosis	640	14	2.19	81	12.66	196	30.63	245	38.28	92	14.38	12
Chickenpox	2942	0	0.00	765	26.00	1457	49.52	464	15.77	256	8.70	0
Encephalitis, primary	48	6	12.50	9	18.75	7	14.58	12	25.00	6	12.50	8
Giardiasis	459	8	1.74	66	14.38	72	15.69	198	43.14	102	22.22	13
H. influenzae infection	62	9	14.52	19	30.65	17	27.42	6	9.68	11	17.74	0
Hepatitis A	191	18	9.42	56	29.32	42	21.99	48	25.13	24	12.57	3
Hepatitis B	219	40	18.26	47	21.46	53	24.20	50	22.83	20	9.13	9
Hepatitis Non-A Non-B	37	4	10.81	9	24.32	6	16.22	8	21.62	2	5.41	8
Histoplasmosis	5	2	40.00	1	20.00	0	0.00	2	40.00	0	0.00	0
Influenza	1392	0	0.00	664	47.70	23	1.65	2	0.14	703	50.50	0
Kawasaki syndrome	24	7	29.17	10	41.67	5	20.83	2	8.33	0	0.00	0
Legionellosis	17	6	35.29	3	17.65	2	11.76	6	35.29	0	0.00	0
Lyme disease*	151	18	11.92	8	5.30	59	39.07	50	33.11	2	1.32	14
Malaria	52	2	3.85	9	17.31	12	23.08	25	48.08	4	7.69	0
Measles	30	0	0.00	17	56.67	11	36.67	2	6.67	0	0.00	0
Meningococcal infection	39	0	0.00	11	28.21	14	35.90	6	15.38	7	17.95	1
Mumps	70	5	7.14	15	21.43	23	32.86	17	24.29	10	14.29	0
Pertussis	24	3	12.50	7	29.17	8	33.33	6	25.00	0	0.00	0
Rabies	253	0	0.00	49	19.37	92	36.36	54	21.34	58	22.92	0
Rocky Mtn spotted fever	21	0	0.00	1	4.76	10	47.62	9	42.86	1	4.76	0
Salmonellosis	1312	43	3.28	212	16.16	356	27.13	495	37.73	194	14.79	12
Shigellosis	384	3	0.78	94	24.48	135	35.16	105	27.34	46	11.98	1
Typhoid fever	11	0	0.00	4	36.36	4	36.36	2	18.18	1	9.09	0

\* Some cases reported in 1991 had onset prior to 1990.