

Administrative Statistics, Statewide and Regionally

Report Time Period: 10/01/2008 – 12/31/2008

Foodborne Diseases

Days from Onset to Referral					Days from Referral to Completion				
Location	N	Average	Median	Max	Location	N	Average	Median	Max
R1	55	9.65	8	24	R1	85	17.58	10	53
R2N	74	9.62	8	33	R2N	102	16	15	68
R2S	59	11.29	8	59	R2S	110	31.12	28	76
R3	31	7.74	5	23	R3	44	12.95	12	67
R5	38	11.95	10	46	R5	57	13.67	8	52
R6	151	8.56	7	44	R6	163	16.12	9	70
R7	39	9.21	7	30	R7	46	9.22	7	46
R8	8	11.62	9	24	R8	13	13.23	9	38
Statewide	455	9.55	8	59	Statewide	620	17.94	12	76

Hepatitis – Acute Viral: A, B, C, D, E

Days from Onset to Referral					Days from Referral to Completion				
Location	N	Average	Median	Max	Location	N	Average	Median	Max
R1	7	8.43	9	20	R1	11	9.82	8	32
R2N	1	3	3	3	R2N	21	9.52	8	31
R2S	5	9.6	11	14	R2S	55	16.09	7	74
R3	12	4.58	4	10	R3	22	8.82	3	43
R5	1	8	8	8	R5	14	7.07	3	47
R6	1	12	12	12	R6	4	16.25	16	34
R7	3	1.67	2	3	R7	4	21.75	15	54
R8	1	13	13	13	R8	5	18.2	15	35
Statewide	31	6.55	6	20	Statewide	137	12.62	7	74

Meningitis

Days from Onset to Referral					Days from Referral to Completion				
Location	N	Average	Median	Max	Location	N	Average	Median	Max
R1	82	5.2	5	16	R1	93	8.27	5	43
R2N	53	7.21	6	26	R2N	110	5.29	3	43
R2S	55	8.87	6	38	R2S	93	24.26	19	76
R3	39	4.72	4	18	R3	66	5.29	4	23
R5	54	5.02	4	18	R5	74	11.58	6	69
R6	68	8.97	7	36	R6	71	11.31	7	35
R7	18	4.28	4	11	R7	20	8.75	7	29
R8	5	18.6	17	47	R8	5	10.6	12	16
Statewide	374	6.77	5	47	Statewide	532	10.98	6	76

Other Diseases

Days from Onset to Referral					Days from Referral to Completion				
Location	N	Average	Median	Max	Location	N	Average	Median	Max
R1	6	12.67	9	42	R1	21	5.38	3	18
R2N	16	9.06	9	23	R2N	35	8.69	3	42
R2S	26	10.96	8	33	R2S	48	18.56	11	75
R3	22	8.23	6	44	R3	63	8.56	7	39
R5	10	9.7	7	33	R5	38	3.89	1	41
R6	12	15.67	16	29	R6	32	13.03	4	62
R7	7	5.43	5	9	R7	11	5	1	28
R8	1	11	11	11	R8	5	15.4	11	41
Statewide	100	10.21	8	44	Statewide	254	10.03	6	75

Vaccine Preventable Diseases

Days from Onset to Referral					Days from Referral to Completion				
Location	N	Average	Median	Max	Location	N	Average	Median	Max
R1	76	6.89	5	48	R1	116	10.96	8	47
R2N	86	9.9	8	40	R2N	204	6.64	3	43
R2S	43	13.16	9	41	R2S	62	14.21	10	53
R3	85	6.95	5	27	R3	144	8.01	6	43
R5	74	11.31	8	56	R5	99	9.58	5	47
R6	105	12.07	6	73	R6	161	8.02	2	68
R7	22	8.59	7	32	R7	34	11.91	10	35
R8	31	10.68	9	48	R8	53	9.75	6	34
Statewide	522	9.88	6	73	Statewide	873	8.96	5	68

Vectorborne Diseases

Days from Onset to Referral					Days from Referral to Completion				
Location	N	Average	Median	Max	Location	N	Average	Median	Max
R1	0	0	0	0	R1	5	14	14	27
R2N	3	14.67	13	21	R2N	20	16.9	14	39
R2S	3	9.33	9	13	R2S	14	38.29	37	70
R3	1	43	43	43	R3	5	17.2	8	57
R5	2	9.5	10	17	R5	4	15.75	15	32
R6	2	20.5	21	21	R6	4	13.75	13	26
R7	0	0	0	0	R7	3	17	4	43
8	4	15.5	11	38	R8	10	26	25	49
Statewide	15	15.8	13	43	Statewide	84	18.83	14	70

MDSS Administrative Report Interpretation Guide

Q408

Dates:

Onset Date=the first day the case experienced symptoms. This date is a user-generated value and may not be available for all cases.

Referral Date=theoretically the date the case was referred to the Health Department and therefore entered into the MDSS. This date is automatically generated by the system as the date the case was entered into the MDSS but can be changed manually if desired, but must be no more than 90 before the system generated date. This value is available for all cases.

Completion Date=the date the case was marked as "completed." This date is a system-generated value, is only available for cases marked as "completed" in the investigation status field, but can be changed if the case is re-opened and then re-closed (see below).

Please consider:

To be included in the analysis, a case must have an onset date during the specified time period (if onset date is missing, then referral date is used).

If a case is not "completed," the number of days from referral to completion is not available and it will not be included in the Referral to Completion analysis.

If the onset date is missing, the number of days from onset to referral is not available for that case and will not be included in the Onset to Referral analysis.

If a case is re-opened and the investigation status is marked as "completed" a second time, the case completion date will be changed to the most recent date. For example, if a case is completed on Jan 1st, 2005 and then re-opened and completed again on March 1st, the completion date used in the calculation will be March 1st.

Theoretically, referral date is the date that the case is received by the local health department and therefore entered into the MDSS, however, this is not always the case and the referral date is changeable by the LHD.

Statistics:

N=number of cases used to determine the Average and Maximum values

Average=the average (also called the mean) number of days between the Onset Date the Referral Date (or between the Referral Date and the Completion Date). Additionally, the mean can be influenced by outlying values.

Median= the middle number in a given sequence of numbers

Maximum=the largest number of days between Onset to Referral (or Referral to Completion)

Additional points to consider when interpreting this report:

It is important to keep in mind that administrative report results can vary widely. Factors affecting the administrative report results include:

- 1) The date on which the report is run. The specific cases included in the analysis can change as cases are entered, investigated and closed.
- 2) The number of cases / characteristics of cases included in the analysis. Small sample sizes (N) are subject to outlying data. For example, if your jurisdiction only has a couple of VPDs during a certain time frame and it takes an unusually long time to investigate one

of them or a lab report was delayed, the time between Onset and Referral and Referral and Completion may be artificially elevated. Additionally, remember that the mean is more likely to be influenced by outlying values than the median.

Disease within Categories:

Foodborne:

Amebiasis
 Botulism - Foodborne
 Campylobacter
 Cryptosporidiosis
 Escherichia coli 0157:H7
 Giardiasis
 Listeriosis
 Salmonellosis
 Shiga toxin, E. Coli, Non O157
 Shiga toxin, E. Coli, Unsp
 Shigellosis
 Typhoid Fever
 Yersinia enterocolitica

Meningitis:

Meningitis - Aseptic
 Meningitis - Bacterial Other
 Meningococcal Disease
 Streptococcus pneumoniae, Inv

Other Diseases:

Animal Bite
 Anthrax
 Blastomycosis
 Botulism - Infant
 Botulism - Other
 Brucellosis
 Cholera
 Coccidioidomycosis
 Creutzfeldt-Jakob Disease
 Cryptococcosis
 Cyclosporiasis
 Encephalitis, Post Chickenpox
 Encephalitis, Post Mumps
 Encephalitis, Post Other
 Encephalitis, Primary
 Guillain-Barre Syndrome
 Hantavirus
 Hantavirus, Other

Other Disease (cont.)

Hantavirus, Pulmonary
 Head Lice
 Hemolytic Uremic Syndrome
 Hemorrhagic Fever
 Hepatitis - Unspecified
 Histoplasmosis
 Influenza
 Kawasaki
 Legionellosis
 Leprosy
 Leptospirosis
 Plague
 Psittacosis
 Q Fever
 Rabies Human
 Reye Syndrome
 Rheumatic Fever
 Rubella – Congenital
 Staphylococcus Aureus Infect.
 Strep Pneumo, Drug Resistant
 Strep Throat
 Streptococcal Dis, Inv, Grp A
 Streptococcal Toxic Shock
 Toxic Shock
 Trachoma
 Trichinosis
 Tularemia
 Unusual Outbreak or Occurrence

VPD:

Chickenpox (Varicella)
 Diphtheria
 H. influenzae Disease - Inv.
 Measles
 Mumps
 Pertussis
 Polio
 Rubella
 Tetanus