Administrative Statistics, Statewide and Regionally

Report Time Period: 01/01/2009 – 03/31/2009

Foodborne Diseases

	Days from Onset to Referral				**Days from Referral to Completion**			
Location	**N**	**Average**	**Median**	**Max**	**Location**	**N**	**Average**	**Median**	**Max**
R1	59	11.27	8	72	R1	90	9.74	7	45
R2N	66	10.18	8	31	R2N	83	12.98	13	42
R2S	54	10.22	8	38	R2S	134	22.34	22	68
R3	31	9.1	7	32	R3	44	12.73	9	50
R5	29	11.34	10	37	R5	36	9	7	46
R6	86	11.62	9	64	R6	122	13.84	10	58
R7	17	10.88	9	30	R7	25	13.8	9	64
R8	17	10	6	37	R8	22	15.68	15	42
Statewide	359	10.74	8	72	Statewide	557	14.75	10	68

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	2	5.5	6	9	R1	11	14.45	7	56
R2N	7	12.86	13	21	R2N	12	15.17	14	38
R2S	2	3	3	5	R2S	56	14.32	10	69
R3	14	4.86	3	17	R3	44	6.98	2	51
R5	1	68	68	68	R5	23	14.39	9	56
R6	4	11.5	9	29	R6	8	13.75	9	38
R7	2	6	6	11	R7	4	8.75	10	12
R8	2	7.5	8	8	R8	7	19.57	10	70
Statewide	34	9.29	7	68	Statewide	166	12.43	7	70

Meningitis

	Days from Onset to Referral				**Days from Referral to Completion**			
Location	**N**	**Average**	**Median**	**Max**	**Location**	**N**	**Average**	**Median**	**Max**
R1	37	9.08	6	60	R1	54	10.85	9	49
R2N	55	8.67	5	56	R2N	102	4.41	2	32
R2S	32	8.06	5	42	R2S	95	19.43	17	69
R3	35	5.34	3	28	R3	58	6.83	5	36
R5	28	6.68	6	18	R5	37	8.86	3	51
R6	44	9.34	9	34	R6	53	15.81	14	37
R7	7	3.57	4	8	R7	16	14.56	11	75
R8	9	4.56	3	15	R8	11	12.55	10	30
Statewide	247	7.78	5	60	Statewide	426	11.3	7	75

Other Diseases

Days from Onset to Referral					**Days from Referral to Completion**				
Location	**N**	**Average**	**Median**	**Max**	**Location**	**N**	**Average**	**Median**	**Max**
R1	27	7.33	5	25	R1	85	4.25	1	36
R2N	48	7.46	5	76	R2N	473	1.19	0	29
R2S	57	8.51	4	38	R2S	410	13.66	8	85
R3	28	8.11	6	33	R3	99	5.65	3	45
R5	23	11.7	9	27	R5	170	1.66	0	29
R6	62	10.08	9	30	R6	377	6.3	5	57
R7	11	9.18	10	23	R7	99	3.97	1	30
R8	12	6.75	7	15	R8	26	11.73	11	49
Statewide	268	8.75	6	76	Statewide	1740	6	1	85

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	7.96	7	35	R1	126	7.38	6	39
R2N	101	13.17	9	89	R2N	173	8.69	6	41
R2S	51	9.98	7	32	R2S	165	12.21	7	58
R3	63	8.05	6	43	R3	95	7.84	5	71
R5	102	9.12	7	41	R5	150	8.08	6	46
R6	88	5.7	7	53	R6	125	9.61	6	319
R7	24	9.79	7	36	R7	29	11.03	8	41
R8	38	9.24	7	41	R8	46	10.7	7	77
Statewide	543	9.15	7	89	Statewide	909	9.26	6	319

Vectorborne Diseases

Days from Onset to Referral					**Days from Referral to Completion**				
Location	**N**	**Average**	**Median**	**Max**	**Location**	**N**	**Average**	**Median**	**Max**
R1	3	15.33	18	19	R1	8	30.75	27	65
R2N	1	18	18	18	R2N	17	26.06	22	47
R2S	2	7.5	8	10	R2S	18	20.61	18	54
R3	2	9	9	11	R3	5	14	6	50
R5	3	14	15	18	R5	7	14.29	5	41
R6	2	7.5	8	10	R6	5	21.2	16	34
R7	0	0	0	0	R7	2	61.5	62	96
8	2	17	17	31	R8	5	16.8	15	32
Statewide	15	12.53	10	31	Statewide	69	22.45	20	96

MDSS Administrative Report Interpretation Guide

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 enteritis

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