Administrative Statistics, Statewide and Regionally

Report Time Period: 01/01/2010 – 03/31/2010

Foodborne Diseases

Days from Onset to Referral					Days from Referral to Completion				
Location	**N**	**Average**	**Median**	**Max**	**Location**	**N**	**Average**	**Median**	**Max**
R1	54	10.04	8	73	R1	81	7.72	5	30
R2N	110	14.91	10	103	R2N	142	7.77	7	32
R2S	83	9.96	8	34	R2S	138	16.8	13	93
R3	22	7.73	7	17	R3	48	6.88	4	31
R5	57	15.46	12	84	R5	81	8.91	4	51
R6	56	12.91	9	39	R6	103	13.52	11	56
R7	32	7.66	6	40	R7	42	5.88	4	18
R8	13	11.23	9	30	R8	21	13.05	7	49
Statewide	427	12.12	9	103	Statewide	656	10.69	7	93

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	4.5	5	6	R1	19	11.42	6	33
R2N	7	19	13	43	R2N	10	4.9	5	12
R2S	3	10.33	12	16	R2S	71	20.75	20	60
R3	8	4.25	4	7	R3	45	8.82	5	57
R5	4	8.75	10	12	R5	24	9.96	3	43
R6	2	32.5	33	56	R6	15	10.8	12	28
R7	2	12	12	14	R7	9	15.89	8	53
R8	4	7.5	7	11	R8	17	21	5	84
Statewide	32	11.28	7	56	Statewide	210	14.46	8	84

Meningitis

Days from Onset to Referral					Days from Referral to Completion				
Location	**N**	**Average**	**Median**	**Max**	**Location**	**N**	**Average**	**Median**	**Max**
R1	59	8.15	6	46	R1	81	8.16	6	52
R2N	60	7.73	6	26	R2N	97	5.01	4	26
R2S	42	7	5	25	R2S	94	22.45	18	77
R3	21	4	3	12	R3	46	5.8	3	28
R5	42	7.36	5	35	R5	64	9.98	4	48
R6	50	7.1	6	23	R6	54	12.17	8	43
R7	13	9.38	7	39	R7	13	2.85	1	10
R8	5	9	9	15	R8	6	20.5	18	44
Statewide	292	7.38	5	46	Statewide	456	10.92	6	77

Other Diseases

Days from Onset to Referral					Days from Referral to Completion				
Location	**N**	**Average**	**Median**	**Max**	**Location**	**N**	**Average**	**Median**	**Max**
R1	11	22.18	10	90	R1	17	14.88	10	64
R2N	22	15.68	11	49	R2N	31	7.32	4	56
R2S	26	13.96	11	58	R2S	48	17.98	13	44
R3	20	13.45	7	101	R3	48	4.67	4	26
R5	8	8	7	13	R5	28	9.61	7	43
R6	15	18.4	8	101	R6	29	13.72	13	41
R7	2	3.5	4	7	R7	4	8.5	7	19
R8	1	22	22	22	R8	5	19	6	79
Statewide	105	15.14	9	101	Statewide	210	11.25	7	79

Vaccine Preventable Diseases

Days from Onset to Referral					Days from Referral to Completion				
Location	**N**	**Average**	**Median**	**Max**	**Location**	**N**	**Average**	**Median**	**Max**
R1	84	15.11	10	60	R1	128	10.05	6	55
R2N	123	10.28	6	83	R2N	177	6.38	4	33
R2S	61	12.02	9	75	R2S	112	13.65	10	79
R3	76	7.88	7	51	R3	153	6.3	3	54
R5	45	7.02	6	37	R5	77	6.57	2	49
R6	36	11.08	6	63	R6	92	10.9	6	41
R7	15	9.93	10	21	R7	17	8.53	8	22
R8	47	8.45	5	82	R8	54	10.48	7	64
Statewide	487	10.53	7	83	Statewide	810	8.8	5	79

Vectorborne Diseases

Days from Onset to Referral					Days from Referral to Completion				
Location	**N**	**Average**	**Median**	**Max**	**Location**	**N**	**Average**	**Median**	**Max**
R1	2	9.5	10	11	R1	9	9.22	7	24
R2N	2	25	25	46	R2N	3	24.33	7	59
R2S	5	12.2	11	19	R2S	7	9.57	8	15
R3	0	0	0	0	R3	1	0	0	0
R5	0	0	0	0	R5	3	3.33	4	4
R6	0	0	0	0	R6	1	30	30	30
R7	0	0	0	0	R7	0	0	0	0
8	2	32	32	52	R8	6	17	14	31
Statewide	11	17.64	11	52	Statewide	32	11.59	8	59

Administrative Reports
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. It will not change even if a case is reopened in the future. .

Please consider:

Both Individual and Aggregate counts are included.

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.

Prior to the March 13th, 2009 MDSS upgrade if a case were re-opened and the investigation status marked as "completed" a second time, the case completion date was changed to the most recent date. For example, if a case was completed on Jan 1st, 2005 and then re-opened and completed again on March 1st, 2005 the completion date available for calculation is March 1st, 2005. For cases marked completed after the March 13th, 2009 MDSS upgrade, the original case completion date is static and will not change even if the case is reopened.

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 valu

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:

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
Flu Like Disease*
Guillain-Barre Syndrome
Hantavirus
Hantavirus, Other
Hantavirus, Pulmonary
Head Lice
Hemolytic Uremic Syndrome
Hemorrhagic Fever
Hepatitis - Unspecified

Other Diseases Continued

Histoplasmosis
Influenza
Influenza, Novel
Kawasaki
Legionellosis
Leprosy
Leptospirosis
Plague
Psittacosis
Q Fever Acute
Q Fever Chronic
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
VISA
VRSA
Vibriosis - Non Cholera

VPD:

Chickenpox (Varicella)
Diphtheria
H. influenzae Disease - Inv.
Measles
Mumps
Pertussis
Polio
Rubella
Shingles
Tetanus
VZ Infection, Unspecified

Vectorborne:

Dengue Fever
Ehrlichiosis*
Ehrlichiosis, Anaplasma phagocytophilum
Ehrlichiosis, Ehrlichia chaffeensis
Ehrlichiosis, Ehrlichia ewingii
Ehrlichiosis, human granulocytic*
Ehrlichiosis, human monocytic*
Ehrlichiosis, human other/undetermined
Ehrlichosis human, other, unsp*
Encephalitis, California
Encephalitis, Eastern Equine
Encephalitis, Powassan
Encephalitis, St. Louis
Encephalitis, Western Equine
Lyme Disease
Malaria
Rocky Mt Spotted Fever
Typhus
West Nile Virus
Yellow Fever