

## Administrative Statistics, Statewide and Regionally

Report Time Period: 07/01/2008 – 09/30/2008

### Foodborne Diseases

Days from Onset to Referral					Days from Referral to Completion				
Location	N	Average	Median	Max	Location	N	Average	Median	Max
R1	173	9.58	8	49	R1	216	10.3	8	48
R2N	147	12.38	9	87	R2N	189	11.63	9	58
R2S	151	10.33	9	37	R2S	153	19.69	14	94
R3	81	9.2	7	60	R3	106	8.26	7	32
R5	88	12.4	9	87	R5	119	9.84	6	71
R6	137	11.47	9	63	R6	175	16.14	10	76
R7	49	10	7	79	R7	48	11.46	6	52
R8	36	10.03	8	56	R8	37	13.86	11	65
Statewide*	862	10.67	8.5	87	Statewide*	1043	12.65	8.5	94

### 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	6	15.83	12	46	R1	14	14.21	8	64
R2N	9	9.89	6	35	R2N	28	11.86	7	42
R2S	5	8.6	5	23	R2S	43	12.3	5	56
R3	10	4.4	5	9	R3	30	13.8	6	92
R5	2	7	7	11	R5	17	11.41	4	84
R6	2	1.5	2	2	R6	6	20.5	22	36
R7	4	7.25	7	14	R7	6	24	19	46
R8	6	10.17	9	23	R8	6	23.17	18	66
Statewide*	44	8.08	6.5	46	Statewide*	150	16.41	7.5	92

### Meningitis

Days from Onset to Referral					Days from Referral to Completion				
Location	N	Average	Median	Max	Location	N	Average	Median	Max
R1	42	4.67	3	20	R1	56	8.05	5	36
R2N	46	6.63	5	26	R2N	90	2.83	1	15
R2S	36	7.53	7	18	R2S	51	22.1	21	71
R3	32	3.94	3	15	R3	55	4.47	3	32
R5	62	9.81	5	47	R5	79	6.32	3	38
R6	45	6.53	5	19	R6	53	10.55	7	47
R7	8	7.12	4	25	R7	7	10.57	4	35
R8	1	9	9	9	R8	3	9	9	14
Statewide*	272	6.90	5	47	Statewide*	394	9.24	4.5	71

## Other Diseases

Days from Onset to Referral					Days from Referral to Completion				
Location	N	Average	Median	Max	Location	N	Average	Median	Max
R1	11	10.18	8	32	R1	20	13.45	13	35
R2N	50	9.24	7	55	R2N	82	9.02	7	44
R2S	19	13.89	12	31	R2S	207	9.29	7	80
R3	161	3.53	1	84	R3	288	6.3	1	72
R5	16	9.88	8	32	R5	55	4.33	1	50
R6	14	13	9	39	R6	28	22.29	20	76
R7	57	3	2	13	R7	62	7.31	7	45
R8	6	9	5	22	R8	16	6.88	6	23
Statewide*	334	8.97	7.5	84	Statewide*	758	9.86	7	80

## Vaccine Preventable Diseases

Days from Onset to Referral					Days from Referral to Completion				
Location	N	Average	Median	Max	Location	N	Average	Median	Max
R1	45	12.51	5	60	R1	52	4.98	3	27
R2N	72	14.04	12	41	R2N	119	6.29	6	22
R2S	32	15.72	12	61	R2S	58	17.95	16	71
R3	24	6.21	5	19	R3	34	5.09	3	31
R5	46	9.15	6	52	R5	66	9.27	5	84
R6	46	8.48	6	45	R6	85	11.84	5	67
R7	23	8.48	8	24	R7	25	7.2	6	25
R8	9	8.67	6	21	R8	12	7.25	4	38
Statewide*	297	10.41	6	61	Statewide*	451	8.73	5	84

## Vectorborne Diseases

Days from Onset to Referral					Days from Referral to Completion				
Location	N	Average	Median	Max	Location	N	Average	Median	Max
R1	5	18	13	48	R1	12	16.42	17	34
R2N	12	18.92	17	70	R2N	26	24.69	22	58
R2S	10	30.1	26	95	R2S	10	34.5	25	97
R3	4	8.25	8	12	R3	13	20.69	13	78
R5	1	10	10	10	R5	13	15.46	10	58
R6	3	14	13	23	R6	5	18.8	16	40
R7	2	16	16	21	R7	4	20.75	11	61
8	29	18.9	15	51	R8	39	18.33	15	62
Statewide*	66	16.77	14	95	Statewide*	122	21.21	15.5	97

\* Statewide statics are derived only from cases that were assigned to a jurisdiction.

## MDSS Administrative Report Interpretation Guide

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### 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 1<sup>st</sup>, 2005 and then re-opened and completed again on March 1<sup>st</sup>, the completion date used in the calculation will be March 1<sup>st</sup>.*

*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 and Referral (or Referral and 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

**Disease within Categories:****Foodborne:**

Amebiasis  
 Botulism - Foodborne  
 Campylobacter  
 Cryptosporidiosis  
 Escherichia coli O157: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 Disease:**

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  
 Influenza  
 Guillain-Barre Syndrome  
 Hantavirus  
 Hantavirus, Other  
 Hantavirus, Pulmonary  
 Head Lice  
 Hemolytic Uremic Syndrome

**Other Disease (cont.)**

Hemorrhagic Fever  
 Hepatitis - Unspecified  
 Histoplasmosis  
 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