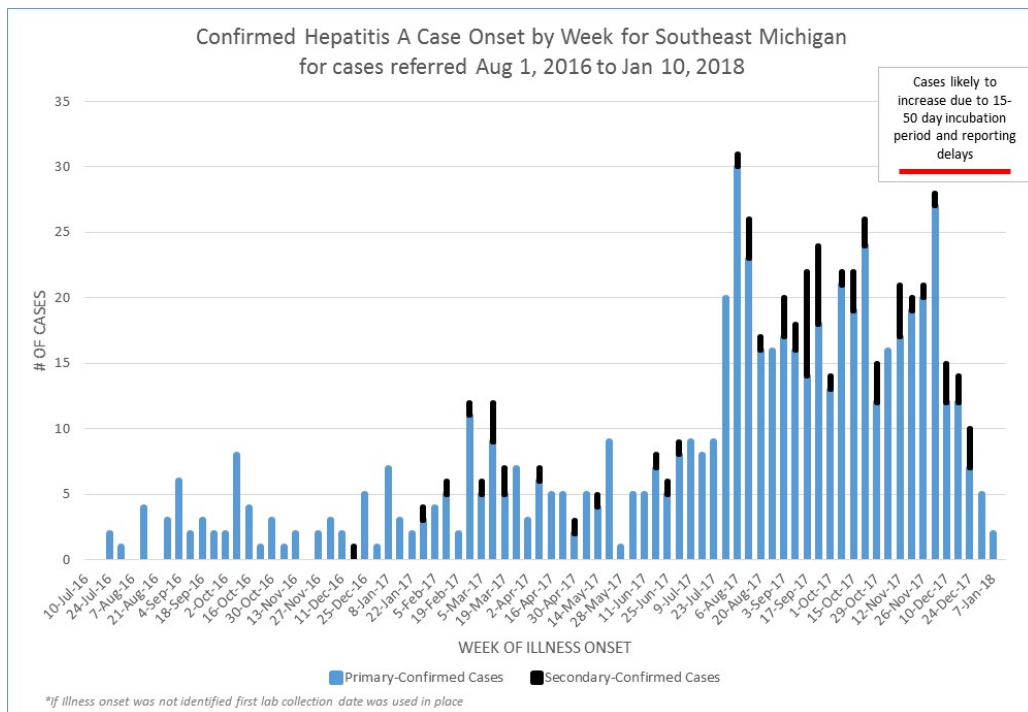


Southeast Michigan Hepatitis A 2016/2017 Outbreak Summary

Epi Summary for Hepatitis A Cases in Southeast MI (Detroit City, Calhoun, Genesee, Grand Traverse, Ingham, Isabella, Lapeer, Livingston, Macomb, Monroe, Oakland, St. Clair, Sanilac, Shiawassee, Washtenaw & Wayne)* for Confirmed Cases Referred August 1, 2016-January 10, 2018†							
	2 nd Half CY2016	Q1 CY2017	Q2 CY2017	Q3 CY2017	Q4 CY2017	Jan-18	Total
Total # of Cases (by Onset)	57	72	66	231	244	7	677
# Primary Confirmed Cases w/ Outbreak Strains	21	33	40	152	128	0	374
# Primary Confirmed Cases w/out sequencing	35	30	21	54	91	7	238
# Secondary Confirmed Cases	1	9	5	25	25	0	65
Female, n (%)	20 (35.1)	25 (34.7)	24 (36.4)	91 (39.4)	71 (29.1)	2 (28.6)	233 (34.4)
Hospitalized, n (%)	49 (86.0)	60 (83.3)	57 (86.4)	188 (81.4)	195 (79.9)	5 (71.4)	554 (81.8)
Min Age (years)	24	21	22	<1	1	25	<1
Max Age (years)	83	86	86	87	90	59	90
Median Age (years)	45	44	39	41	39.5	35	41
Deaths, n (%)	4 (7.0)	5 (6.9)	3 (4.5)	7 (3.0)	3 (1.2)	0 (0.0)	22 (3.2)
Data below excludes secondary cases							
No Substance Abuse + No Homeless/Transient Living, n (%)	31 (55.4)	18 (28.6)	15 (24.6)	73 (35.4)	94 (42.9)	0 (0.0)	231 (37.7)
Documented Substance Abuse, n (%)	20 (35.7)	37 (58.7)	38 (62.3)	104 (50.5)	94 (42.9)	1 (14.3)	294 (48.0)
Homeless/Transient Living, n (%)	9 (16.1)	9 (14.3)	12 (19.7)	19 (9.2)	23 (10.5)	0 (0.0)	72 (11.8)
History of Hepatitis B, n (%)	3 (5.4)	3 (4.8)	1 (1.6)	6 (2.9)	3 (1.4)	0 (0.0)	16 (2.6)
History of Hepatitis C, n (%)	9 (16.1)	15 (23.8)	23 (37.7)	72 (35.0)	50 (22.8)	1 (14.3)	170 (27.8)
MSM, n (%) -Data includes only male cases	1 (2.8)	1 (2.4)	2 (5.0)	9 (6.9)	45 (27.3)	0 (0.0)	58 (13.9)
Correctional Facility Inmates, n (%)	1 (1.8)	3 (4.8)	5 (8.2)	21 (10.2)	16 (7.3)	1 (14.3)	47 (7.7)
Healthcare Worker, n (%)	1 (1.8)	0 (0.0)	1 (1.6)	6 (2.9)	10 (4.6)	0 (0.0)	18 (2.9)
Food Worker, n (%)	2 (3.6)	2 (3.2)	2 (3.3)	9 (4.4)	11 (5.0)	1 (14.3)	27 (4.4)
Cases Lost to Follow-up	14 (25.0)	19 (30.2)	20 (32.8)	52 (25.2)	19 (8.7)	0 (0.0)	124 (20.3)
<p>*Also includes individual cases from Clare, Eaton, Hillsdale, Huron, Kent, Leelanau & Van Buren Counties and a MDOC Facility (Jackson County) that were found to have the outbreak strain when tested by CDC</p> <p>†Analysis excludes cases that have been submitted to CDC and found to be PCR Negative, have a different strain from the outbreak strains, or have international travel in the 2-6 weeks prior to illness onset.</p> <p>‡ Source of data: MDSS</p>							



Report is a preliminary ad hoc analysis. Information to be considered DRAFT.

Southeast Michigan Hepatitis A 2016/2017 Outbreak Summary

Confirmed Hepatitis A Cases Referred Aug 1, 2016-Jan 10, 2018 meeting the SE MI Hep A Case Definition	
County (or City)	Total Cases
City of Detroit	153
Calhoun	2
Clare	1
Eaton	1
Genesee	10
Grand Traverse	4
Hillsdale	1
Huron	1
Ingham	13
Isabella	7
Kent	1
Lapeer	5
Leelanau	1
Livingston	6
Macomb	198
Monroe	14
Oakland	92
Sanilac	6
Shiawassee	3
St. Clair	25
Van Buren	1
Washtenaw	12
Wayne	119
Other*	1
Total	677
*Jackson MDOC	