Table 22. Epidemiologic Characteristics of Cases in GENType Clusters[1] by Alert Levels Based on Log-likelihood Ratios (LLR)[2]: United States, 2012–2014

Case Characteristics	Unique		Alert Levels for Clustered Cases[3]							
			Clustered		Non-alerted (LLR <5)		Medium (LLR 5 – <10)		High (LLR ≥10)	
	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
Total	**16,531**	**78.4**	**4,544**	**21.6**	**2,600**	**57.2**	**1,036**	**22.8**	**908**	**20.0**
Race and Ethnicity										
Hispanic or Latino	4,584	76.5	1,407	23.5	956	68	290	20.6	161	11.4
American Indian/Alaska Native	152	48.1	164	51.9	18	11	39	23.8	107	65.2
Asian	5,810	86.6	901	13.4	754	83.7	90	10	57	6.3
Black or African American	3,029	68.7	1,379	31.3	546	39.6	400	29	433	31.4
Native Hawaiian/Other Pacific Islander	82	55.4	66	44.6	28	42.4	28	42.4	10	15.2
White	2,527	81.2	587	18.8	272	46.3	181	30.8	134	22.8
Multiple Race	306	90.3	33	9.7	23	69.7	6	18.2	4	12.1
Unknown or Missing	41	85.4	7	14.6	3	42.9	2	28.6	2	28.6
Age Group (Years)										
0–4	75	37.0	128	63.0	54	42.2	44	34.4	30	23.4
5–14	110	60.4	72	39.6	38	52.8	15	20.8	19	26.4
15–24	1,593	71.5	634	28.5	381	60.1	131	20.7	122	19.2
25–44	5,173	78.8	1,390	21.2	770	55.4	357	25.7	263	18.9
45–64	4,979	74.9	1,672	25.1	893	53.4	374	22.4	405	24.2
≥65	4,599	87.7	648	12.3	464	71.6	115	17.8	69	10.6
Unknown	2	100.0	0	0.0	0	0	0	0	0	0
Origin of Birth										
U.S-born	4,637	64.5	2,551	35.5	1,044	40.9	740	29	767	30.1
Foreign-born	11,876	85.7	1,985	14.3	1,553	78.2	295	14.9	137	6.9
Unknown or Missing	18	69.2	8	30.8	3	37.5	1	12.5	4	50
Disease Site										
Pulmonary Only	11,734	76.4	3,622	23.6	2,019	55.7	844	23.3	759	21
Extrapulmonary	2,948	86.7	453	13.3	305	67.3	85	18.8	63	13.9
Both	1,836	79.8	465	20.2	274	58.9	106	22.8	85	18.3
Unknown	13	76.5	4	23.5	2	50	1	25	1	25
Sputum Smear										
Positive	7,704	75.8	2,459	24.2	1,360	55.3	600	24.4	499	20.3
Negative	6,680	80.5	1,620	19.5	981	60.6	310	19.1	329	20.3
Not Done	2,134	82.1	465	17.9	259	55.7	126	27.1	80	17.2
Unknown or Missing	13	100.0	0	0.0	0	0	0	0	0	0
Cavitary disease										
Yes	183	79.6	47	20.4	23	48.9	18	38.3	6	12.8
No	1,292	78.4	356	21.6	213	59.8	76	21.4	67	18.8
Unknown or Missing	361	85.3	62	14.7	38	61.3	12	19.4	12	19.4

Table 22. (Con't) Epidemiologic Characteristics of Cases in GENType Clusters[1] by Alert Levels Based on Log-likelihood Ratios (LLR)[2]: United States, 2012–2014

Case Characteristics	Unique		Alert Levels for Clustered Cases[3]							
			Clustered		Non-alerted (LLR <5)		Medium (LLR 5 – <10)		High (LLR ≥10)	
	No.	(%)	No.	(%)	No.	(%)	No.	(%)	No.	(%)
Homeless Within Past Year										
Yes	654	52.6	590	47.4	209	35.4	108	18.3	273	46.3
No	15,758	80.1	3,919	19.9	2,370	60.5	920	23.5	629	16
Unknown or Missing	119	77.3	35	22.7	21	60	8	22.9	6	17.1
Excess Alcohol Use Within the Past Year										
Yes	1,626	63.3	944	36.7	374	39.6	249	26.4	321	34
No	14,659	80.6	3,521	19.4	2,180	61.9	771	21.9	570	16.2
Unknown or Missing	246	75.7	79	24.3	46	58.2	16	20.3	17	21.5
Injecting Illicit Drug Use Within Past Year										
Yes	184	58.6	130	41.4	64	49.2	28	21.6	38	29.2
No	16,138	78.8	4,331	21.2	2,487	57.4	993	22.9	851	19.7
Unknown or Missing	209	71.6	83	28.4	49	59	15	18.1	19	22.9
Non-Injecting Illicit Drug Use Within Past Year										
Yes	903	56.2	703	43.8	277	39.4	174	24.8	252	35.8
No	15,401	80.4	3,761	19.6	2,279	60.6	847	22.5	635	16.9
Unknown or Missing	227	73.9	80	26.1	44	55	15	18.8	21	26.2
Resident of a Correction Facility at the Time of Diagnosis										
Yes	586	72.7	220	27.3	117	53.2	59	26.8	44	20
No	15,898	78.7	4,313	21.3	2,478	57.4	976	22.6	859	20
Unknown or Missing	47	81.0	11	19.0	5	45.5	1	9	5	45.5
HIV Status										
Positive	917	71.9	359	28.1	180	50.1	74	20.6	105	29.3
Negative	13,473	78.2	3,758	21.8	2,170	57.7	861	22.9	727	19.4
Refused	654	86.9	99	13.1	67	67.7	18	18.2	14	14.1
Not Offered	1,124	81.1	262	18.9	142	54.2	67	25.6	53	20.2
Unknown, Missing or Indeterminate	363	84.6	66	15.4	41	62.1	16	24.2	9	13.6
Multi-Drug Resistant TB										
Yes	225	85.2	39	14.8	37	94.9	1	2.6	1	2.6
No	14,912	78.4	4,390	21.6	2,512	57.2	1,006	22.9	872	19.9
Unknown or Missing	394	77.4	115	22.6	51	44.3	29	25.2	35	30.4

[1] GENType clusters have two or more cases with matching spoligotype and 24-locus mycobacterial interspersed repetitive unit-variable number tandem repeat type within a county during the specified 3-year time period .
[2] Alert levels are based on a log-likelihood ratio (LLR), which calculates the geographic concentration of a genotype in a county compared to the rest of the country during a 3-year period.
[3] There were 4,544 cases in 1,494 alerted clusters: 908 cases were in 93 (6.2%) high alert clusters; 1,036 cases were in 338 (22.6%) medium alert clusters, and 2,600 cases were in 1,063 (71.2%) non-alert clusters.
Note: Case counts for race categories (American Indian or Alaska Native, Asian, Black or African American, Native Hawaiian or Other Pacific Islander, and White) are mutually exclusive and do not include persons of Hispanic ethnicity or multiple race. Multiple Race does not include persons of Hispanic ethnicity.
See Surveillance Slide #36