Table 22. Epidemiologic Characteristics of Cases in GENType Clusters[1] by Alert Levels Based on Log-likelihood Ratios (LLR)[2]: United States, 2010–2012

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	**17,659**	**(78.9)**	**4,723**	**(21.1)**	**2,600**	**(55.0)**	**1,089**	**(23.1)**	**1,034**	**(21.9)**
Race and Ethnicity										
Hispanic or Latino	4,907	(77.3)	1,442	(22.7)	946	(65.6)	313	(21.7)	183	(12.7)
American Indian/Alaska Native	175	(51.5)	165	(48.5)	22	(13.3)	43	(26.1)	100	(60.6)
Asian	5,794	(88.0)	791	(12.0)	659	(83.3)	89	(11.2)	43	(5.4)
Black or African American	3,484	(69.3)	1,546	(30.7)	623	(40.3)	406	(26.3)	517	(33.4)
Native Hawaiian/Other Pacific Islander	91	(57.2)	68	(42.8)	26	(38.2)	27	(39.7)	15	(22.1)
White	2,869	(81.1)	671	(18.9)	302	(45.0)	203	(30.2)	166	(24.7)
Multiple Race	300	(91.5)	28	(8.5)	17	(60.7)	3	(10.7)	8	(28.6)
Unknown or Missing	39	(76.5)	12	(23.5)	5	(41.7)	5	(41.7)	2	(16.7)
Age Group (Years)										
0–4	69	(29.7)	163	(70.3)	76	(46.6)	57	(35.0)	30	(18.4)
5–14	122	(62.6)	73	(37.4)	50	(68.5)	14	(19.2)	9	(12.3)
15–24	1,762	(73.8)	625	(26.2)	355	(56.8)	159	(25.4)	111	(17.8)
25–44	5,745	(78.7)	1,552	(21.3)	846	(54.5)	361	(23.3)	345	(22.2)
45–64	5,365	(75.5)	1,744	(24.5)	891	(51.1)	391	(22.4)	462	(26.5)
≥65	4,593	(89.1)	565	(10.9)	382	(67.6)	106	(18.8)	77	(13.6)
Unknown	3	(75.0)	1	(25.0)	0	0.0	1	(100.0)	0	0.0
Origin of Birth										
U.S-born	5,442	(66.4)	2,755	(33.6)	1,122	(40.7)	753	(27.3)	880	(31.9)
Foreign-born	12,203	(86.2)	1,958	(13.8)	1,475	(75.3)	335	(17.1)	148	(7.6)
Unknown or Misssing	14	(58.3)	10	(41.7)	3	(30.0)	1	(10.0)	6	(60.0)
Disease Site										
Pulmonary Only	12,129	(76.9)	3,635	(23.1)	1,966	(54.1)	857	(23.6)	812	(22.3)
Extrapulmonary	3,208	(86.8)	487	(13.2)	300	(61.6)	101	(20.7)	86	(17.7)
Both	600	(20.6)	2,308	(79.4)	334	(55.7)	131	(21.8)	135	(22.5)
Unknown	14	(93.3)	1	(6.7)	0	0.0	0	0.0	1	(100.0)
Sputum Smear										
Positive	7,907	(75.6)	2,550	(24.4)	1,364	(53.5)	617	(24.2)	569	(22.3)
Negative	7,139	(81.2)	1,647	(18.8)	940	(57.1)	346	(21.0)	361	(21.9)
Not Done	2,592	(83.2)	524	(16.8)	295	(56.3)	126	(24.0)	103	(19.7)
Unknown or Missing	21	(91.3)	2	(8.7)	1	(50.0)	0	0.0	1	(50.0)
Cavitary disease										
Yes	263	(72.1)	102	(27.9)	49	(48.0)	30	(29.4)	23	(22.6)
No	1,634	(79.2)	430	(20.8)	240	(55.8)	88	(20.5)	102	(23.7)
Unknown or Missing	411	(85.8)	68	(14.2)	45	(66.2)	13	(19.1)	10	(14.7)

Table 22. (Con't) Epidemiologic Characteristics of Cases in GENType Clusters[1] by Alert Levels Based on Log-likelihood Ratios (LLR)[2]: United States, 2010–2012

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	748	(56.5)	575	(43.5)	192	(33.4)	95	(16.5)	288	(50.1)
No	16,732	(80.3)	4,102	(19.7)	2,379	(58.0)	982	(23.9)	741	(18.1)
Unknown or Missing	179	(79.6)	46	(20.4)	29	(63.0)	12	(26.1)	5	(10.9)
Excess Alcohol Use Within the Past Year										
Yes	1,903	(63.3)	1,104	(36.7)	447	(40.5)	258	(23.4)	399	(36.1)
No	15,416	(81.4)	3,527	(18.6)	2,100	(59.5)	809	(22.9)	618	(17.5)
Unknown or Missing	340	(80.2)	92	(21.8)	53	(57.6)	22	(23.9)	17	(18.5)
Injecting Drug Use Within Past Year										
Yes	200	(61.5)	125	(38.5)	59	(47.2)	25	(20.0)	41	(32.8)
No	17,111	(79.2)	4,490	(20.8)	2,484	(55.3)	1,042	(23.2)	964	(21.5)
Unknown or Missing	348	(76.3)	108	(23.7)	57	(52.8)	22	(20.4)	29	(26.8)
Non-Injecting Drug Use Within Past Year										
Yes	958	(56.9)	725	(43.1)	292	(40.3)	178	(24.5)	255	(35.2)
No	16,329	(80.8)	3,890	(19.2)	2,250	(57.8)	890	(22.9)	750	(19.3)
Unknown or Missing	372	(77.5)	108	(22.5)	58	(53.7)	21	(19.4)	29	(26.9)
Resident of a Correction Facility at the Time of Diagnosis										
Yes	646	(71.9)	252	(28.1)	125	(49.6)	54	(21.4)	73	(29.0)
No	16,888	(79.2)	4,434	(20.8)	2,450	(55.2)	1,028	(23.2)	956	(21.6)
Unknown or Missing	125	(77.2)	37	(22.8)	25	(67.6)	7	(18.9)	5	(13.5)
HIV Status										
Positive	965	(70.6)	402	(29.4)	201	(50.0)	64	(15.9)	137	(34.1)
Negative	12,883	(78.9)	3,454	(21.1)	1,823	(52.8)	866	(25.1)	765	(22.1)
Refused	733	(86.3)	116	(13.7)	73	(62.9)	30	(25.9)	13	(11.2)
Not Offered	1,379	(82.4)	295	(17.6)	168	(56.9)	66	(22.4)	61	(20.7)
Unknown, Missing or Indeterminate	1,699	(78.8)	456	(21.2)	335	(73.5	63	(13.8)	58	(12.7)
Multi-Drug Resistant TB										
Yes	251	(82.6)	53	(17.4)	41	(77.4)	12	(22.6)	0	(0.0)
No	16,985	(78.9)	4,552	(21.1)	2,505	(55.0)	1,049	(23.0)	998	(21.9)
Unknown or Missing	423	(78.2)	118	(21.8)	54	(45.7)	28	(23.7)	36	(30.5)

[1] GENType clusters have two or more cases with matching spoligotype and 24-locus 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 4,723 cases in alerted clusters: 1,034 cases were in 112 (7.3%) High Alert clusters; 1,089 cases were in 361 (23.4%) medium alert clusters and 2,600 were in 1,069 (69.3%) Non-alerted 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