

Utah Department of Health  
 Bureau of Epidemiology - Tuberculosis (TB) Control  
**Monthly TB Case Report Summary, Utah, December 2014**  
 Provisional Data

**TB Cases By Age Group**

Age Group (in years)	Current Month		Year to Date (YTD)		Previous 5-yr YTD average	
	No.	%	No.	%	No.	%
0 to 4	0	0.0	2	6.5	1.4	4.3
5 to 14	0	0.0	0	0.0	0.6	1.9
15 to 24	1	25.0	2	6.5	3.0	9.3
25 to 34	1	25.0	5	16.1	9.8	30.4
35 to 44	0	0.0	6	19.4	4.4	13.7
45 to 54	0	0.0	4	12.9	3.2	9.9
55 to 64	1	25.0	4	12.9	3.8	11.8
65 to 74	0	0.0	3	9.7	2.8	8.7
75+	1	25.0	5	16.1	3.2	9.9
<b>Totals</b>	<b>4</b>	<b>100.0</b>	<b>31</b>	<b>100.0</b>	<b>32.2</b>	<b>100.0</b>

**TB Cases By Gender**

Gender	Current Month		Year to Date		Previous 5-yr YTD average	
	No.	%	No.	%	No.	%
Male	3	75.0	9	29.0	17.8	55.3
Female	1	25.0	22	71.0	14.4	44.7
<b>Totals</b>	<b>4</b>	<b>100.0</b>	<b>31</b>	<b>100.0</b>	<b>32.2</b>	<b>100.0</b>

**TB Cases By Race/Ethnicity**

Race/Ethnicity	Current Month		Year to Date		Previous 5-yr YTD average	
	No.	%	No.	%	No.	%
American Indian	1	25.0	1	3.2	1.6	5.0
Asian	2	50.0	8	25.8	8.8	27.3
Black	0	0.0	4	12.9	4.0	12.4
Hispanic*	1	25.0	13	41.9	11.2	34.8
Pacific Islander	0	0.0	0	0.0	1.8	5.6
White	0	0.0	5	16.1	4.8	14.9
Multiple Races	0	0.0	0	0.0	0.0	0.0
<b>Totals</b>	<b>4</b>	<b>100.0</b>	<b>31</b>	<b>100.0</b>	<b>32.2</b>	<b>100.0</b>

\*Persons of Hispanic ethnicity can be of any race category.

**TB Cases By Immigration Status At First US Entry**

Immigration Status	Current Month		Year to Date		Previous 5-yr YTD average	
	No.	%	No.	%	No.	%
Refugees	0	0.0	7	22.6	5.2	16.1
Immigrants	0	0.0	10	32.3	10.4	32.3
Students	1	25.0	3	9.7	2.4	7.5
Other FB Status	2	50.0	7	22.6	5.6	17.4
Not Applicable*	1	25.0	4	12.9	8.6	26.7
Unknown	0	0.0	0	0.0	0.0	0.0
<b>Totals</b>	<b>4</b>	<b>100.0</b>	<b>31</b>	<b>100.0</b>	<b>32.2</b>	<b>100.0</b>

\*US-born, born abroad to parent who was US citizen, or born in a US Territory, US Island Area, or US Outlying Area.

**TB Cases By Reporting County**

County	Current Month		Year to Date		Previous 5-yr YTD average	
	No.	%	No.	%	No.	%
Beaver	0	0.0	0	0.0	0.0	0.0
Box Elder	0	0.0	0	0.0	0.0	0.0
Cache	0	0.0	1	3.2	2.6	8.1
Carbon	0	0.0	0	0.0	0.0	0.0
Daggett	0	0.0	0	0.0	0.0	0.0
Davis	0	0.0	0	0.0	1.6	5.0
Duchesne	0	0.0	1	3.2	0.4	1.2
Emery	0	0.0	0	0.0	0.0	0.0
Garfield	0	0.0	0	0.0	0.2	0.6
Grand	0	0.0	0	0.0	0.2	0.6
Iron	0	0.0	0	0.0	0.0	0.0
Juab	0	0.0	0	0.0	0.0	0.0
Kane	0	0.0	0	0.0	0.0	0.0
Millard	0	0.0	0	0.0	0.0	0.0
Morgan	0	0.0	0	0.0	0.0	0.0
Piute	0	0.0	0	0.0	0.0	0.0
Rich	0	0.0	0	0.0	0.0	0.0
Salt Lake	3	75.0	24	77.4	18.6	57.8
San Juan	0	0.0	0	0.0	0.8	2.5
Sanpete	0	0.0	0	0.0	0.0	0.0
Sevier	0	0.0	1	3.2	0.0	0.0
Summit	0	0.0	0	0.0	0.2	0.6
Tooele	0	0.0	0	0.0	0.4	1.2
Uintah	0	0.0	0	0.0	0.2	0.6
Utah	0	0.0	0	0.0	2.4	7.5
Wasatch	0	0.0	0	0.0	0.2	0.6
Washington	1	25.0	3	9.7	1.0	3.1
Wayne	0	0.0	0	0.0	0.0	0.0
Weber	0	0.0	1	3.2	3.4	10.6
<b>Totals</b>	<b>4</b>	<b>100.0</b>	<b>31</b>	<b>100.0</b>	<b>32.2</b>	<b>100.0</b>

**TB Cases By Residence At Time of Diagnosis**

Residence	Current Month		Year to Date		Previous 5-yr YTD average	
	No.	%	No.	%	No.	%
Private Residence	4	100.0	30	96.8	31.2	96.9
Corrections	0	0.0	0	0.0	0.0	0.0
Homeless	0	0.0	0	0.0	0.6	1.9
Long-term Care	0	0.0	1	3.2	0.0	0.0
Other	0	0.0	0	0.0	0.4	1.2
<b>Totals</b>	<b>4</b>	<b>100.0</b>	<b>31</b>	<b>100.0</b>	<b>32.2</b>	<b>100.0</b>

**TB Cases By Site of Disease**

Site of Disease	Current Month		Year to Date		Previous 5-yr YTD average	
	No.	%	No.	%	No.	%
Pulmonary (P)	1	25.0	16	51.6	15.4	47.8
Extrapulmonary (EP)	2	50.0	11	35.5	12.2	37.9
P & EP	1	25.0	4	12.9	4.6	14.3
<b>Totals</b>	<b>4</b>	<b>100.0</b>	<b>31</b>	<b>100.0</b>	<b>32.2</b>	<b>100.0</b>

**TB Cases By Case Verification**

Case Verification	Current Month		Year to Date		Previous 5-yr YTD average	
	No.	%	No.	%	No.	%
Positive Culture	1	25.0	19	61.3	24.6	76.4
Positive NAAT	0	0.0	0	0.0	0.2	0.6
Positive Smear/Tissue	1	25.0	1	3.2	0.4	1.2
Clinical	2	50.0	10	32.3	6.2	19.3
Provider	0	0.0	1	3.2	0.8	2.5
<b>Totals</b>	<b>4</b>	<b>100.0</b>	<b>31</b>	<b>100.0</b>	<b>32.2</b>	<b>100.0</b>

\*NAAT=Nucleic Acid Amplification Test

**TB Cases By Primary Reason for Evaluation**

Reason for Evaluation	Current Month		Year to Date		Previous 5-yr YTD average	
	No.	%	No.	%	No.	%
TB Symptoms	2	50.0	21	67.7	21.0	65.2
Abnormal CXR	1	25.0	3	9.7	4.2	13.0
Immigration Exam	0	0.0	1	3.2	2.4	7.5
Incidental Lab Result	0	0.0	3	9.7	3.0	9.3
Administrative Testing	1	25.0	1	3.2	0.4	1.2
Contact Investigation	0	0.0	2	6.5	1.0	3.1
Health Care Worker	0	0.0	0	0.0	0.0	0.0
Targeted Testing	0	0.0	0	0.0	0.2	0.6
Unknown	0	0.0	0	0.0	0.0	0.0
<b>Totals</b>	<b>4</b>	<b>100.0</b>	<b>31</b>	<b>100.0</b>	<b>32.2</b>	<b>100.0</b>

CXR=Chest X-ray

**TB Cases By Medical Information**

Medical Information	Current Month		Year to Date		Previous 5-yr YTD average	
	No.	%	No.	%	No.	%
HIV	0	0.0	2	6.5	1.0	3.1
Reported at Death	0	0.0	2	6.5	0.4	1.2
Died During Tx	0	0.0	2	6.5	2.4	7.5
Contact	0	0.0	2	6.5	2.4	7.5
Diabetes Mellitus	1	25.0	3	9.7	3.8	11.8
ESRD	0	0.0	1	3.2	0.8	2.5
Immunosuppressed	0	0.0	2	6.5	2.0	6.2
Incomplete LTBI Tx	0	0.0	3	9.7	2.2	6.8
TNF- $\alpha$ Antagonist Tx	0	0.0	1	3.2	0.4	1.2

HIV=Human Immunodeficiency Virus; Tx=Treatment

Contact=contact to infectious TB case <=2 years prior to TB diagnosis

ESRD=End State Renal Disease

Immunopressed=Immunosuppression (not HIV)

LTBI Tx=Latent TB infection treatment

**TB Cases By Risk Factors in 12 Mos Prior to Diagnosis**

Risk Factors	Current Month		Year to Date		Previous 5-yr YTD average	
	No.	%	No.	%	No.	%
Homeless	0	0.0	1	3.2	1.2	3.7
Excess Alcohol	0	0.0	0	0.0	1.8	5.6
Injecting Drugs	0	0.0	0	0.0	0.0	0.0
Noninjecting Drugs	0	0.0	0	0.0	0.4	1.2

**Year-to-Date Drug Resistant TB Cases**

County	R/E	Drug Resistance					Other anti-TB medications:
		INH	RIF	PZA	EMB	SM	
Sevier	H			X			
Salt Lake	W	X	X	X	X	X	Amikacin, Kanamycin

R/E=Race/Ethnicity: A=Asian; B=Black; H=Hispanic; I=American Indian; P=Pacific Islander; W=White

INH = Isoniazid; RIF = Rifampin; PZA = Pyrazinamide; EMB = Ethambutol; SM = Streptomycin