

Utah Department of Health
 Bureau of Epidemiology - Tuberculosis (TB) Control
Monthly TB Case Report Summary, Utah, December 2019
 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 | 7.4 | 2.0 | 7.4 |
| 5 to 14 | 1 | 100.0 | 1 | 3.7 | 1.6 | 5.9 |
| 15 to 24 | 0 | 0.0 | 5 | 18.5 | 2.6 | 9.6 |
| 25 to 34 | 0 | 0.0 | 3 | 11.1 | 4.2 | 15.6 |
| 35 to 44 | 0 | 0.0 | 6 | 22.2 | 4.6 | 17.0 |
| 45 to 54 | 0 | 0.0 | 2 | 7.4 | 3.6 | 13.3 |
| 55 to 64 | 0 | 0.0 | 3 | 11.1 | 3.8 | 14.1 |
| 65 to 74 | 0 | 0.0 | 3 | 11.1 | 1.6 | 5.9 |
| 75+ | 0 | 0.0 | 2 | 7.4 | 3.0 | 11.1 |
| Totals | 1 | 100.0 | 27 | 100.0 | 27.0 | 100.0 |

TB Cases By Sex

| Gender | Current Month | | Year to Date | | Previous 5-yr YTD average | |
|---------------|---------------|--------------|--------------|--------------|------------------------------|--------------|
| | No. | % | No. | % | No. | % |
| Male | 0 | 0.0 | 14 | 51.9 | 12.8 | 47.4 |
| Female | 1 | 100.0 | 13 | 48.1 | 14.2 | 52.6 |
| Totals | 1 | 100.0 | 27 | 100.0 | 27.0 | 100.0 |

TB Cases By Race/Ethnicity

| Race/Ethnicity | Current Month | | Year to Date | | Previous 5-yr YTD average | |
|------------------|---------------|--------------|--------------|--------------|------------------------------|--------------|
| | No. | % | No. | % | No. | % |
| American Indian | 0 | 0.0 | 0 | 0.0 | 1.2 | 4.4 |
| Asian | 0 | 0.0 | 5 | 18.5 | 6.6 | 24.4 |
| Black | 0 | 0.0 | 3 | 11.1 | 2.6 | 9.6 |
| Hispanic* | 1 | 100.0 | 12 | 44.4 | 11.8 | 43.7 |
| Pacific Islander | 0 | 0.0 | 2 | 7.4 | 1.8 | 6.7 |
| White | 0 | 0.0 | 5 | 18.5 | 3.0 | 11.1 |
| Multiple Races | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 |
| Totals | 1 | 100.0 | 27 | 100.0 | 27.0 | 100.0 |

*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 | 5 | 18.5 | 4.6 | 17.0 |
| Immigrants | 0 | 0.0 | 7 | 25.9 | 7.6 | 28.1 |
| Students | 0 | 0.0 | 0 | 0.0 | 1.2 | 4.4 |
| Other Status | 0 | 0.0 | 4 | 14.8 | 6.6 | 24.4 |
| Not Applicable* | 1 | 100.0 | 11 | 40.7 | 6.8 | 25.2 |
| Unknown | 0 | 0.0 | 0 | 0.0 | 0.2 | 0.7 |
| Totals | 1 | 100.0 | 27 | 100.0 | 27.0 | 100.0 |

*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 | 2 | 7.4 | 0.2 | 0.7 |
| Cache | 0 | 0.0 | 0 | 0.0 | 0.4 | 1.5 |
| 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 | 3 | 11.1 | 1.0 | 3.7 |
| Duchesne | 0 | 0.0 | 0 | 0.0 | 0.2 | 0.7 |
| Emery | 0 | 0.0 | 1 | 3.7 | 0.0 | 0.0 |
| Garfield | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 |
| Grand | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 |
| Iron | 0 | 0.0 | 0 | 0.0 | 0.2 | 0.7 |
| 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 | 1 | 100.0 | 19 | 70.4 | 19.8 | 73.3 |
| San Juan | 0 | 0.0 | 0 | 0.0 | 0.6 | 2.2 |
| Sanpete | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 |
| Sevier | 0 | 0.0 | 0 | 0.0 | 0.2 | 0.7 |
| Summit | 0 | 0.0 | 0 | 0.0 | 0.2 | 0.7 |
| Tooele | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 |
| Uintah | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 |
| Utah | 0 | 0.0 | 1 | 3.7 | 1.8 | 6.7 |
| Wasatch | 0 | 0.0 | 0 | 0.0 | 0.2 | 0.7 |
| Washington | 0 | 0.0 | 1 | 3.7 | 1.2 | 4.4 |
| Wayne | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 |
| Weber | 0 | 0.0 | 0 | 0.0 | 1.0 | 3.7 |
| Totals | 1 | 100.0 | 27 | 100.0 | 27.0 | 100.0 |

TB Cases By Residence At Time of Diagnosis

| Residence | Current Month | | Year to Date | | Previous 5-yr YTD average | |
|-------------------|---------------|--------------|--------------|--------------|------------------------------|--------------|
| | No. | % | No. | % | No. | % |
| Private Residence | 1 | 100.0 | 26 | 96.3 | 25.0 | 92.6 |
| Corrections | 0 | 0.0 | 0 | 0.0 | 0.2 | 0.7 |
| Homeless | 0 | 0.0 | 0 | 0.0 | 0.8 | 3.0 |
| Long-term Care | 0 | 0.0 | 0 | 0.0 | 0.2 | 0.7 |
| Other | 0 | 0.0 | 1 | 3.7 | 0.8 | 3.0 |
| Totals | 1 | 100.0 | 27 | 100.0 | 27.0 | 100.0 |

TB Cases By Site of Disease

| Site of Disease | Current Month | | Year to Date | | Previous 5-yr YTD average | |
|---------------------|---------------|--------------|--------------|--------------|------------------------------|--------------|
| | No. | % | No. | % | No. | % |
| Pulmonary (P) | 0 | 0.0 | 16 | 59.3 | 15.0 | 55.6 |
| Extrapulmonary (EP) | 1 | 100.0 | 9 | 33.3 | 8.6 | 31.9 |
| P & EP | 0 | 0.0 | 2 | 7.4 | 3.4 | 12.6 |
| Totals | 1 | 100.0 | 27 | 100.0 | 27.0 | 100.0 |

TB Cases By Case Verification

| Case Verification | Current Month | | Year to Date | | Previous 5-yr YTD average | |
|-----------------------|---------------|--------------|--------------|--------------|---------------------------|--------------|
| | No. | % | No. | % | No. | % |
| Positive Culture | 0 | 0.0 | 18 | 66.7 | 19.8 | 73.3 |
| Positive NAAT | 0 | 0.0 | 0 | 0.0 | 0.2 | 0.7 |
| Positive Smear/Tissue | 1 | 100.0 | 2 | 7.4 | 0.2 | 0.7 |
| Clinical | 0 | 0.0 | 6 | 22.2 | 6.2 | 23.0 |
| Provider | 0 | 0.0 | 1 | 3.7 | 0.6 | 2.2 |
| Totals | 1 | 100.0 | 27 | 100.0 | 27.0 | 100.0 |

*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 | 1 | 100.0 | 16 | 59.3 | 17.2 | 63.7 |
| Abnormal CXR | 0 | 0.0 | 4 | 14.8 | 3.4 | 12.6 |
| Immigration Exam | 0 | 0.0 | 0 | 0.0 | 1.4 | 5.2 |
| Incidental Lab Result | 0 | 0.0 | 3 | 11.1 | 2.0 | 7.4 |
| Administrative Testing | 0 | 0.0 | 1 | 3.7 | 0.8 | 3.0 |
| Contact Investigation | 0 | 0.0 | 2 | 7.4 | 2.2 | 8.1 |
| Health Care Worker | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 |
| Targeted Testing | 0 | 0.0 | 1 | 3.7 | 0.0 | 0.0 |
| Unknown | 0 | 0.0 | 0 | 0.0 | 0.0 | 0.0 |
| Totals | 1 | 100.0 | 27 | 100.0 | 27.0 | 100.0 |

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 | 0 | 0.0 | 1.4 | 5.2 |
| Reported at Death | 0 | 0.0 | 1 | 3.7 | 0.4 | 1.5 |
| Died During Tx | 0 | 0.0 | 3 | 11.1 | 1.0 | 3.7 |
| Contact | 0 | 0.0 | 2 | 7.4 | 2.4 | 8.9 |
| Diabetes Mellitus | 0 | 0.0 | 6 | 22.2 | 5.0 | 18.5 |
| ESRD | 0 | 0.0 | 0 | 0.0 | 0.6 | 2.2 |
| Immunosuppressed | 0 | 0.0 | 2 | 7.4 | 1.0 | 3.7 |
| Incomplete LTBI Tx | 0 | 0.0 | 3 | 11.1 | 0.8 | 3.0 |
| TNF- α Antagonist Tx | 0 | 0.0 | 5 | 18.5 | 0.8 | 3.0 |

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 | 0 | 0.0 | 1.2 | 4.4 |
| Excess Alcohol | 0 | 0.0 | 2 | 7.4 | 2.2 | 8.1 |
| Injecting Drugs | 0 | 0.0 | 0 | 0.0 | 0.2 | 0.7 |
| Noninjecting Drugs | 0 | 0.0 | 0 | 0.0 | 0.4 | 1.5 |

Year-to-Date Drug Resistant TB Cases

| County | R/E | Drug Resistance | | | | | Other anti-TB medications: |
|-----------|-----|-----------------|-----|-----|-----|----|----------------------------|
| | | INH | RIF | PZA | EMB | SM | |
| Salt Lake | W | X | | | | | |
| Salt Lake | B | X | | | | | |
| Salt Lake | A | | X | | | | |

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