

TUBERCULOSIS PROGRAM

The Ben Franklin Tuberculosis (TB) Program includes the TB Clinic, Case Management Team, and Contact Investigation and Community Education and Outreach Team.

The TB Clinic provides care to persons with active TB, contacts to active TB cases, and medical evaluation and care to newly arrived immigrants and refugees referred through the Ohio Department of Health.

The Case Management Team provides medical case management and investigates TB transmission associated with active TB cases and provides TB testing for individuals potentially infected. The team also provides education, technical assistance and targeted TB testing in selected populations at high risk for TB.

The Ben Franklin TB Clinic does NOT provide pre-employment TB testing or testing for college admission. Routine testing for TB can be accessed through a primary care provider or a “minute clinic.”

For more information, visit www.columbus.gov/tb.

FOR DOCTORS & LABORATORIES:

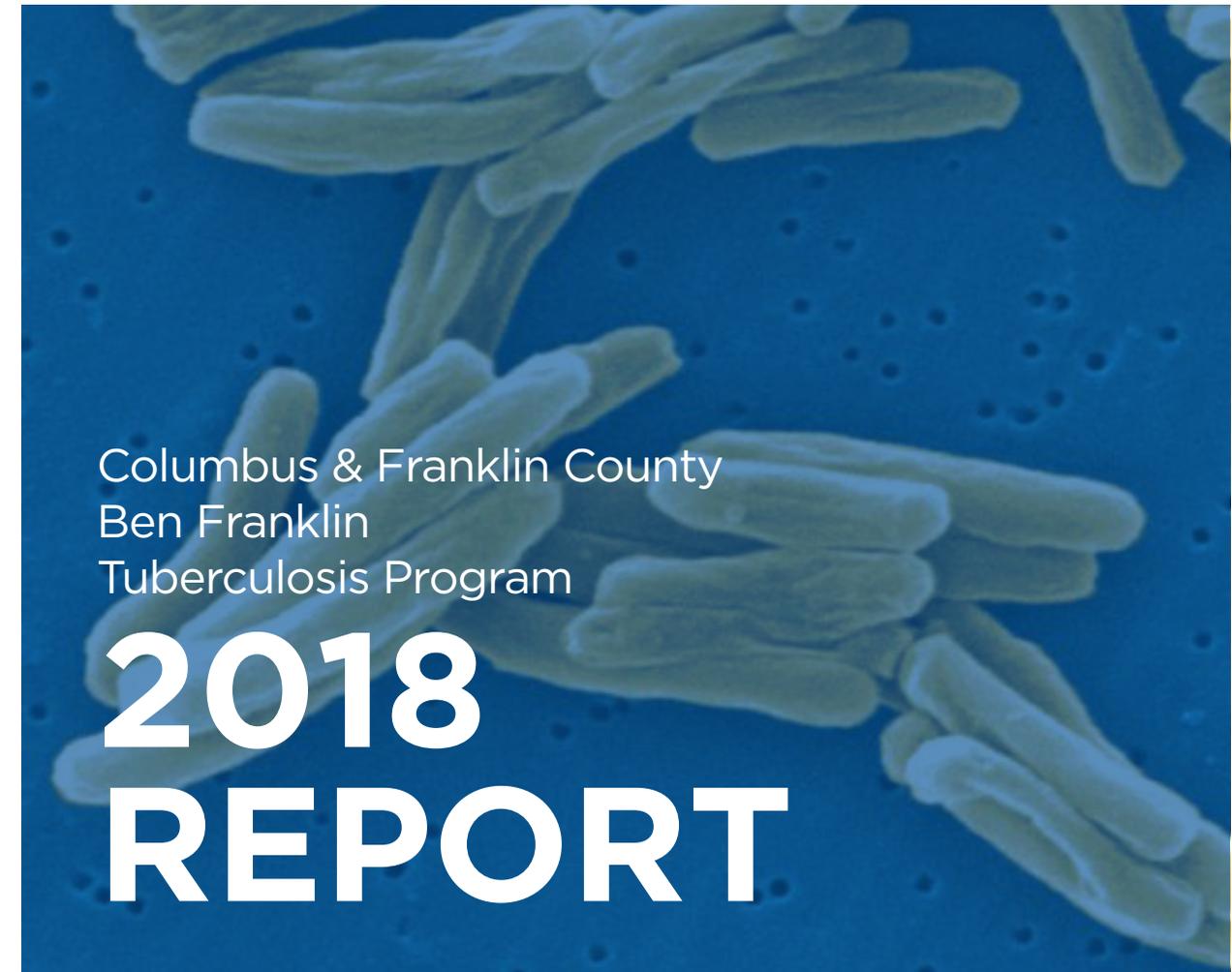
REPORTING TUBERCULOSIS

What is reportable: Confirmed or suspected cases of active TB

What is not reportable: A positive TB skin test or blood test or latent TB infection (LTBI)

TB is considered a class “B” reportable disease. Case and suspect case reports and reports of positive laboratory results for diseases specified as class “B” in paragraph (B) of rule 3701-3-02 of the Administrative Code shall be provided by the end of the next business day.

For detailed information on reporting in Ohio, go to <http://codes.ohio.gov/oac/3701-3-05> and <http://www.odh.ohio.gov/pdf/idcm/tb.pdf> or call 614-645-2199.

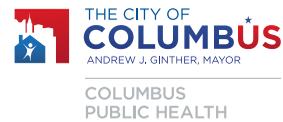


Ben Franklin Tuberculosis Program

Serving Columbus and Franklin County Residents

240 Parsons Ave., Columbus, OH 43215
Phone: 614-645-2199 / Fax: 614-645-0265
www.columbus.gov/tb

Funded by: Franklin County Board of Commissioners, Ohio Department of Health and the City of Columbus



78
Cases of
Tuberculosis (TB)
in Franklin County



78%
Had the TB
Infection in
their Lungs



180
Days of
Medication for
Typical Case



44%
of Ohio's Active
TB Cases Lived in
Franklin County

TUBERCULOSIS (TB) STATISTICS

	2015	2016	2017	2018
TB Cases in Franklin County	40	50	53	78
Cases per 100,000 in Franklin County	3.2	4.0	4.1	6.0
TB Cases in Ohio	143	141	150	178
Cases per 100,000 in Ohio	1.2	1.2	1.3	1.5
Cases per 100,000 in the U.S.	3.0	2.9	2.8	2.8

ABOUT THE DISEASE

What is TB? Tuberculosis (TB) is caused by the bacterium *Mycobacterium tuberculosis*. The bacteria usually attack the lungs, but TB bacteria can attack any part of the body such as the kidney, spine and brain. Not everyone infected with TB bacteria becomes sick. As a result, two TB-related conditions exist: latent TB infection (LTBI) and TB disease. If not treated properly, TB disease can be fatal. <https://www.cdc.gov/tb/topic/basics/default.htm>

How TB Spreads: TB bacteria are spread through the air from one person to another when a person with TB disease of the lungs or throat coughs, speaks or sings. People nearby may breathe in these bacteria and become infected.

TB Disease: TB disease is an illness in which TB bacteria (*Mycobacterium tuberculosis*) multiply and attack the body, usually the lungs. Symptoms of TB disease include weakness, weight loss, fever, no appetite, chills and night sweats. Other symptoms of TB disease depend on where in the body the bacteria are growing. If TB disease is in the lungs (pulmonary TB), the symptoms may include a persistent cough, pain in the chest or coughing up blood. **A person with TB disease may be infectious and may spread TB bacteria to others.**

Latent TB Infection (LTBI): Persons with latent TB infection have the TB germ in their body, but do not feel sick and do not have any symptoms of TB disease. There are two ways to test for TB infection: the tuberculin skin test or TB blood test. **Persons with latent TB infection are not infectious and cannot spread TB germs to others.**

TB Treatment: Persons with **latent TB infection can take medicine** to reduce their risk of developing TB disease and spreading the germ to others. There are several treatment options for latent TB infection and the health care provider will select the right treatment option based on each person's medical history and current medical conditions, if any. If medicine is taken as instructed, it can prevent TB disease.

If **TB disease is suspected, persons should be referred to a skilled provider** for a complete medical evaluation. If that person has TB disease, therapy is prescribed and a nurse case manager is assigned to follow their care. TB disease is a serious condition and can lead to death if not treated.

The Columbus Public Health Ben Franklin Tuberculosis Program provides medical and case management services for all persons living in Franklin County with TB disease. These services include coordination of care, directly observed therapy (DOT), nursing assessments, laboratory testing and medical management. These services are provided to insured and uninsured TB patients and no one is turned away due to inability to pay.

2018 CASES IN FRANKLIN COUNTY

Residence & Origin:

- 44% of Ohio's active TB patients lived in Franklin County.
- 86% of Franklin County's active TB cases were born outside of the U.S.

Cases by Age & Sex:

- Average: 41 years
- Range: 1-90 years
- Male: 51 cases (65%)
- Female: 37 cases (35%)

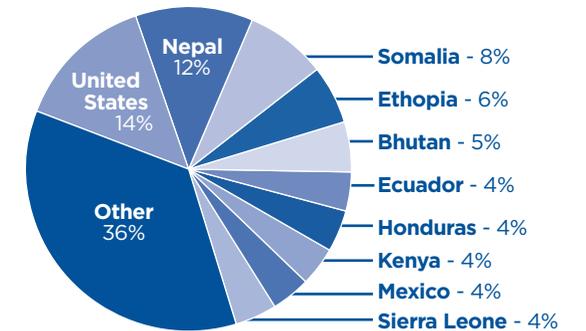
Infection Location:

- TB infection in the lungs: 78%
- TB in the lymph system (fluid that flows between cells): 18%

Other Demographics:

- 38% of TB cases were non-Hispanic Black, 31% were non-Hispanic Asian, 15% were non-Hispanic White and 14% were Hispanic.
- 9% of active TB cases were HIV positive.
- 51% of non-U.S.-born TB cases arrived in the U.S. more than four years prior to diagnosis.
- 76% of cases had symptoms or a chest X-ray consistent with TB; 8% were identified through a contact investigation; 8% were identified during a Quarantine Referral exam; 5% were identified through an incidental lab result; and 4% of cases were identified via targeted testing.

TB Cases By Country of Birth:



"Other" includes 21 different countries with 1 or 2 cases each.

PROGRAM OUTCOMES

- 115 Franklin County residents with active TB or suspected of having active TB received directly observed therapy (DOT) and medical case management.
- 407 close contacts were identified through contact investigations.
- 6,418 person to person directly observed therapy (DOT) visits and 6,625 electronic DOT submissions. This equates to 13,043 completed DOT services and is a 55% increase in DOT services compared to 2017.
- 2,304 patient visits to the TB clinic.
- 453 community and medical providers received TB education and/or technical assistance.
- 479 K-12 students at high risk for TB infection were tested prior to enrollment in school.
- 104 B1/B2 immigrants and refugees were referred to the TB Program through the US Division of Quarantine.