

Where Does TB Stand in Michigan?

Peter Davidson

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Behind the Scenes: The Making of a Conference Agenda

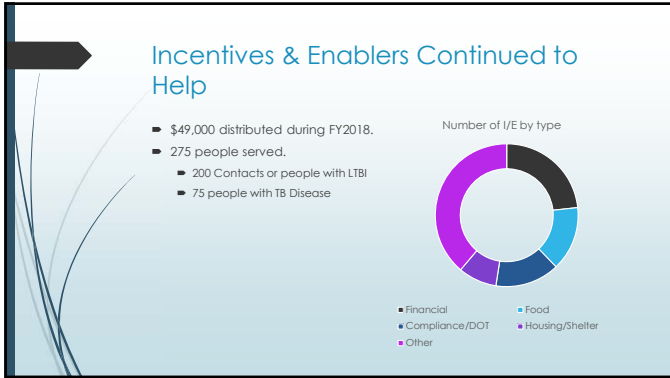
- Our TB Survivors continue to lead and inspire us. Check out the We Are TB website! <https://www.wearatb.com/>
- Diagnosing and Lab testing for TB are (still) complicated. Even the experts get stumped sometimes.
- MDR-TB returned to Michigan. Bedaquiline and Patient Assistance Program are great, but MDR remains devastating for patients and programs.
- TB affects groups of people we haven't previously thought of as "at risk". We may need to broaden our thinking of "risk".
- Looking ahead: Working with community partners to diagnose and treat LTBI. A step toward Preventing TB!

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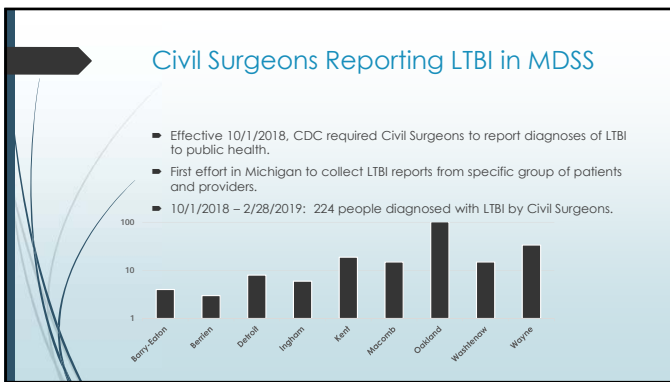
How did 2018 Compare?

- 108 people diagnosed with TB.
- 2 unusually-large Contact Investigations (health care; elementary school): ~1,300 contacts identified.
 - Avg 1,400 contacts identified per year
- 4 people had MDR-TB.
 - 1 identified at autopsy
 - 3 counties, no epidemiologic links

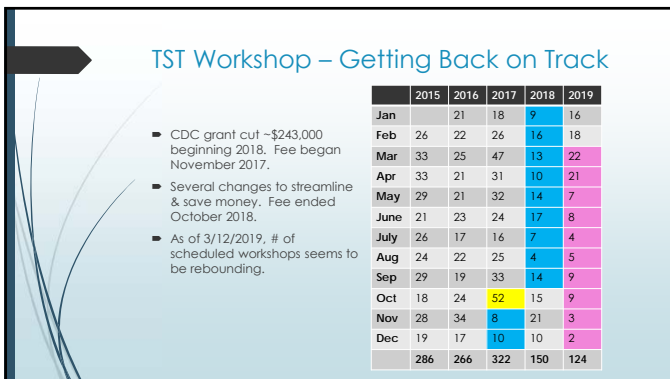
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Opportunities In 2019

- Anticipate unspent money from 2018, carry into 2019. Amount still TBD....
- Survey for LHDs to request items for case-management support.
 - REMINDER** - Survey open until April 1! Check email (1/22/2019) for instructions or ask Helen McGuirk
- 29 LHDs so far – several requests for devices for eDOT (e.g. video-DOT).
- Please consider using or expanding use of eDOT. It offers some impressive advantages.

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Clinical Trial: VOT vs DOT

- Lancet 2/21/2019; [http://dx.doi.org/10.1016/S0140-6736\(18\)32993-3](http://dx.doi.org/10.1016/S0140-6736(18)32993-3)
- 226 patients in 22 clinics throughout England.
 - 114 DOT: in-person; field or clinic
 - 112 VOT: patients recorded videos & submitted; viewed later by central team
- Primary Outcome = ≥80% doses observed in first 2 months of enrollment.
- % of doses observed was higher throughout treatment in VOT vs DOT.
 - 1st Month (78% vs 70%); 3rd Month (77% vs 52%); 6th Month (70% vs 37%)
- Patient engagement & reports of side effects **both higher** in VOT vs DOT.

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Clinical Trial: VOT vs DOT - Findings

- 1 row = 1 patient
- Black = observed; Grey = Not observed
- Cost savings! Clinic managing 50 patients for 6 months. Per patient:
 - DOT 5d/wk = \$7,509
 - DOT 3d/wk = \$4,506
 - VOT 7d/wk = \$2,167

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On the Horizon: TB funding to All Local Health Departments

- MDHHS TB Program has provided TB funds to 6 higher-burden LHDs using a funding formula.
- Beginning 10/1/2019, all LHDs will be included in the formula for funding.
- Minimum funding = \$100.
- CDC will release new funding formula in Jan. 2020. MDHHS TB Program may adopt it going into 2021.

Indicator	Proportion of funding
# of cases	24%
US-born minority & Foreign-born	24%
Smear (+) Pulmonary	12%
HIV (+)	4%
Substance Abuse	4%
Homelessness	4%
EDN Class B1, B2	4%
MDR	4%
Complete Treatment 12 mos	15%
Drug Susceptibility Testing	5%
