



TB IN MICHIGAN: 2023 PROGRAM REVIEW

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DISCLOSURES

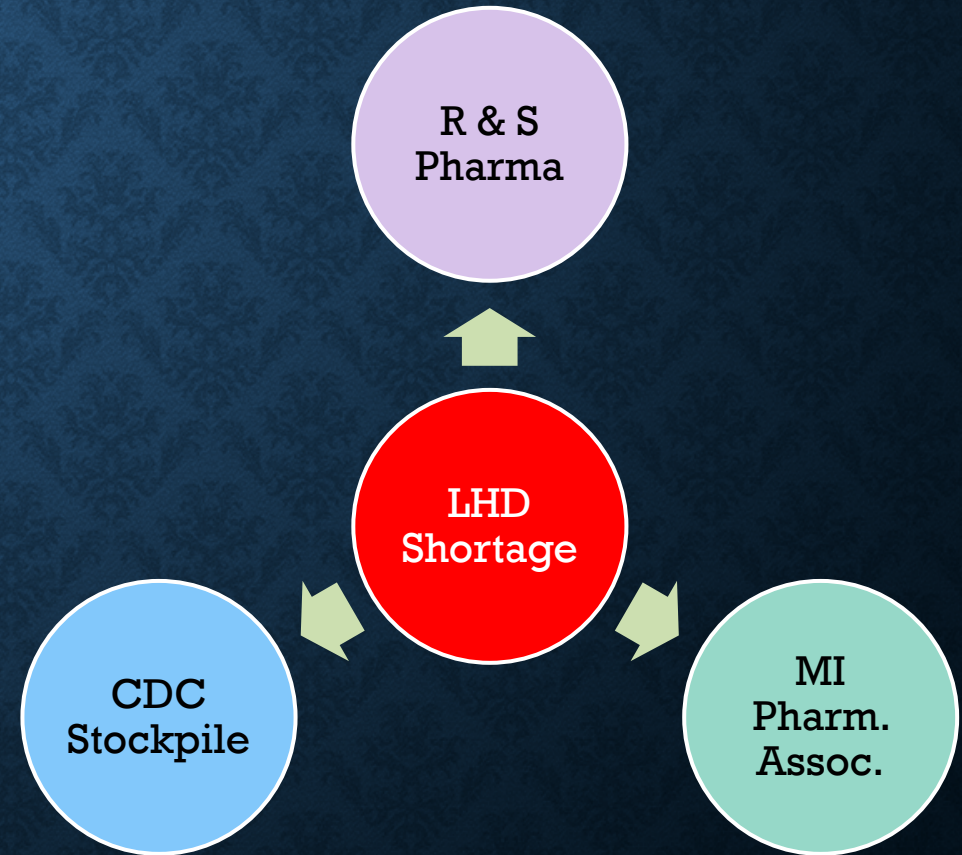
- No conflicts. I have no relevant financial relationships to disclose.

CHALLENGES & NEEDS

- Drug shortages
- Contaminated bone allograft outbreak (#2)
- Patient support
- Language translation/interpretation
- Clinical consultation

DRUG SHORTAGES

- Isoniazid, Rifampin, Rifapentine, Pyrazinamide.
- 5 requests to CDC Stockpile (**Free**)
 - ✓ 4 bottles INH
 - ✓ 111 bottles RIF
 - ✓ CDC **does not** stock Rifapentine
- At least 6 requests to MI Pharm. Assoc. (**Retail**)
 - ✓ 35 bottles PZA
 - ✓ 1 bottle INH
- ??? Requests to R & S. (**340B**) Many LHDs switched to order from R & S but State doesn't get copies of invoices.



CONTAMINATED BONE ALLOGRAFT OUTBREAK #2

- MDHHS TB + CA DPH helped alert CDC of potential outbreak in early July.
- 2 MI pts affected. 1 died, 1 completed treatment.
- Prior outbreak in 2021. MI 8 pts, no deaths.

MMWR
Morbidity and Mortality Weekly Report

January 5, 2024

In this Issue

- TB outbreak, bone allografts
- TB drugs, supply interruptions – CA
- Accidental bromazepam ingestions, adults – Chicago

WEEKLY REPORT




Second Nationwide Tuberculosis Outbreak Caused by Bone Allografts Containing Live Cells
In July 2023, CDC was alerted to a potential tuberculosis (TB) disease outbreak from surgical procedures using bone allograft material contaminated with TB bacteria.

ALLOGRAFT OUTBREAK FALLOUT

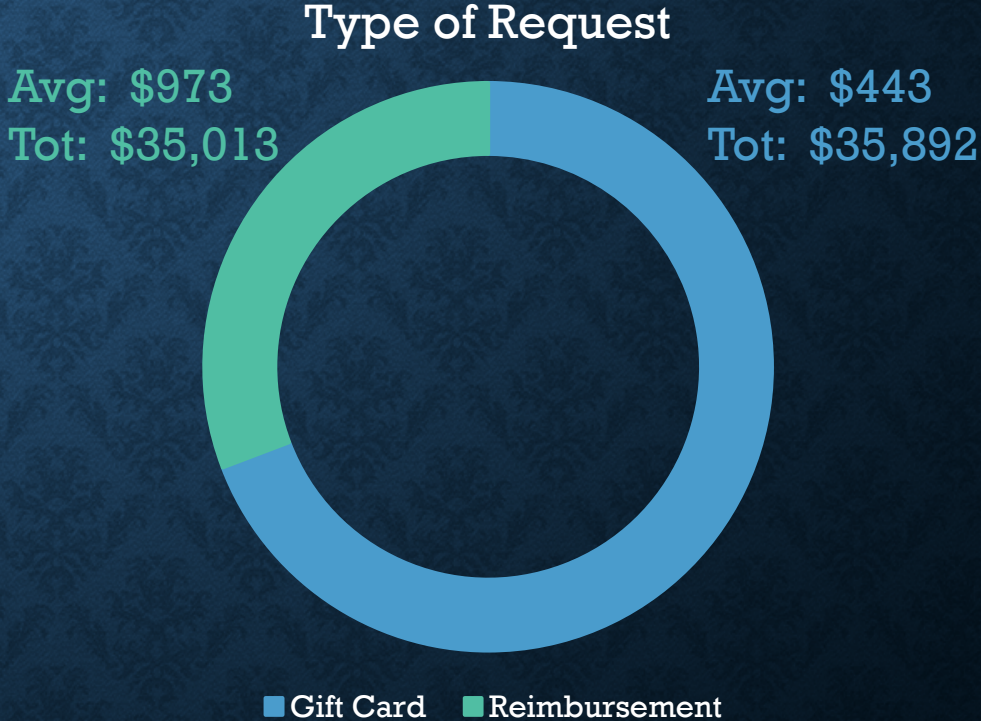
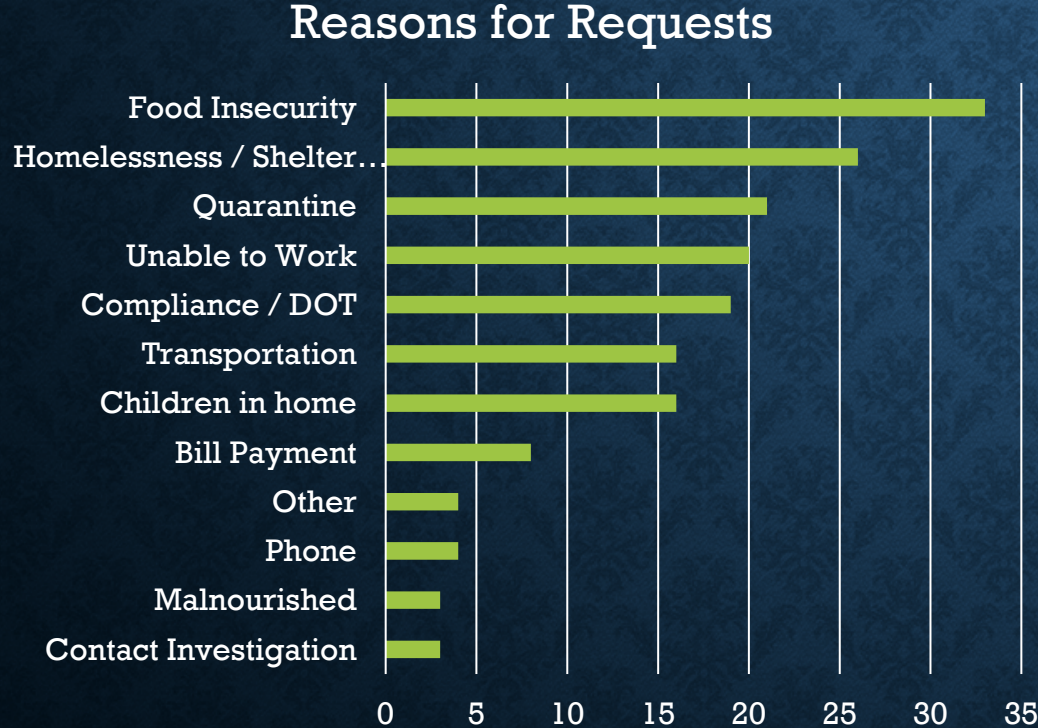


- **7/13:** Aziyo Biologics Announces Voluntary Recall of Viable Bone Matrix Products
- **8/17:** US Rep Debbie Dingell sends formal letter to Directors of FDA and CDC requesting detailed response to outbreak and death of MI patient.
- **8/29:** Peters, Stabenow, Moolenaar, Dingell Urge FDA to Issue New Bone Graft Guidance After Tuberculosis Outbreak and Patient Deaths
- **9/6:** Aziyo Biologics Rebrands as Elutia to Reflect Strategic Focus on Drug Eluting Biomaterials. Buried in 'Forward Looking Statements': discontinued sales of brand name FiberCel product....market withdrawal of all viable bone matrix products....bankruptcy of Surgalign Holdings, Inc., significant customer....
- **12/12:** Moolenaar, Dingell, Correa Introduce Bipartisan Legislation to Stop Tuberculosis Outbreaks
- **2/1/2024:** Stabenow, Peters, Moolenaar, and Dingell Introduce Bill to Help Prevent Tuberculosis Infections in Surgical Transplants

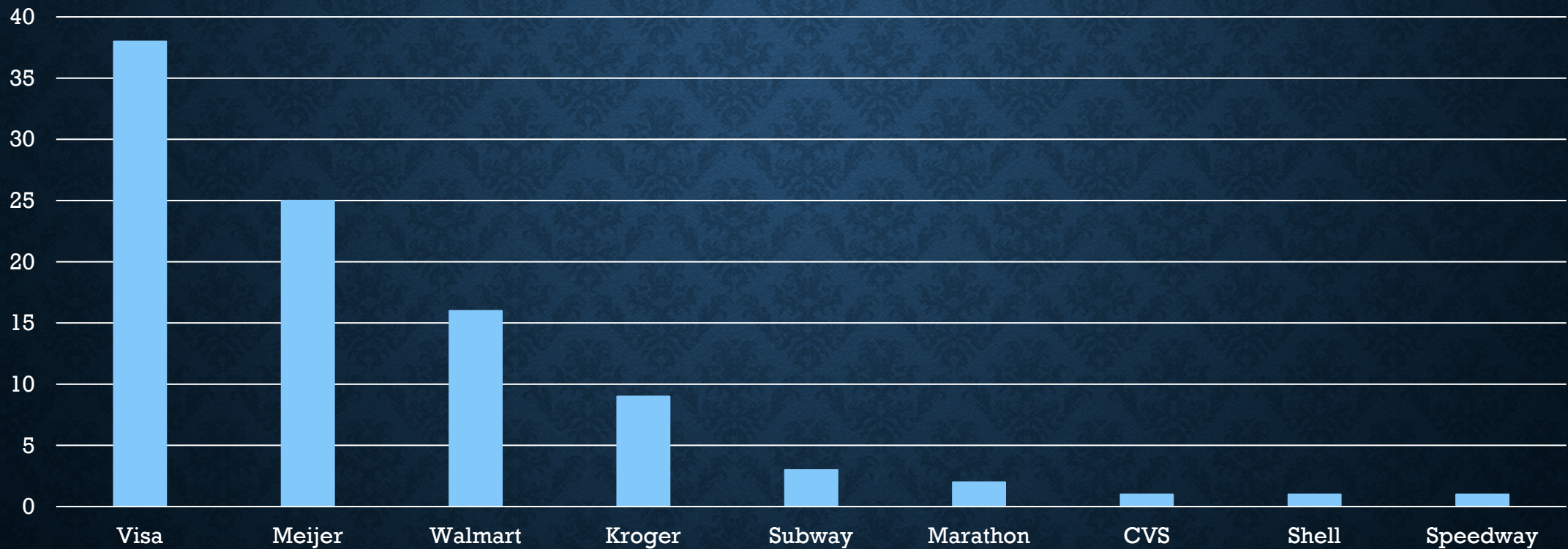
PATIENT SUPPORT: INCENTIVES/ENABLERS

- FY 2023
- 119 people supported: 67 TB, 52 Contacts/LTBI
- \$70,905 total provided through Michigan Public Health Institute (MPHI)
- I/E can be in form of Gift Card (pre-paid) or Reimbursement (check from MPHI to LHD)
-  I/E can only be requested / provided by Local Health Departments.

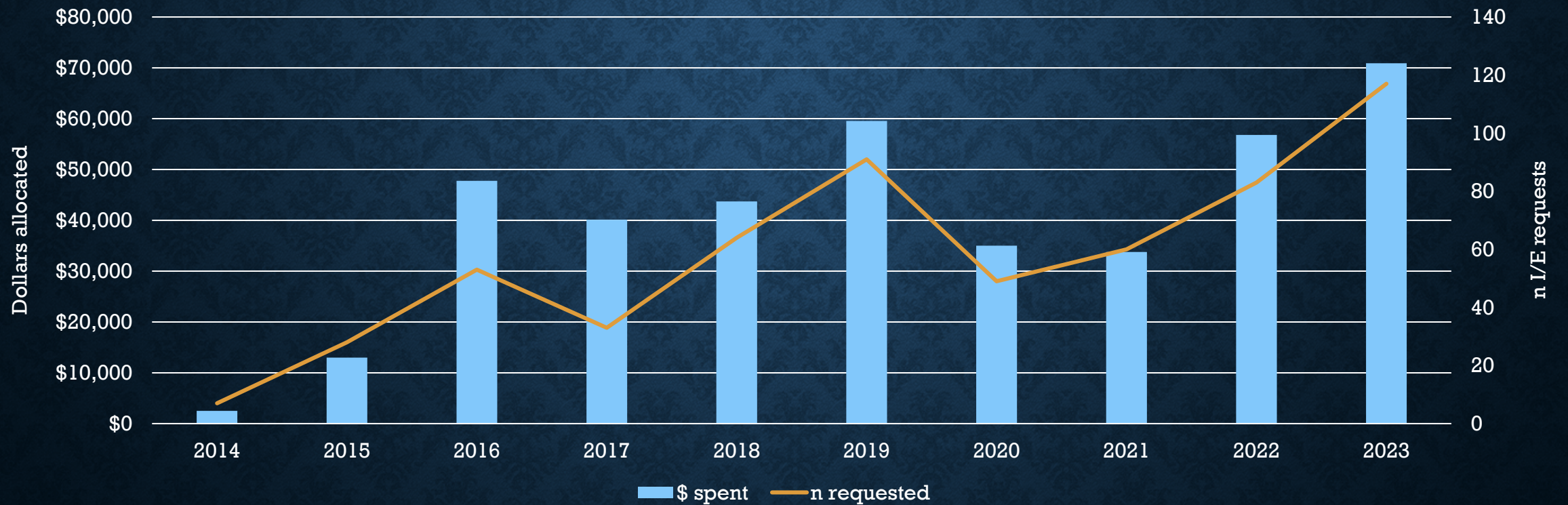
REASONS FOR REQUESTS AND TYPE REQUESTED, FY2023



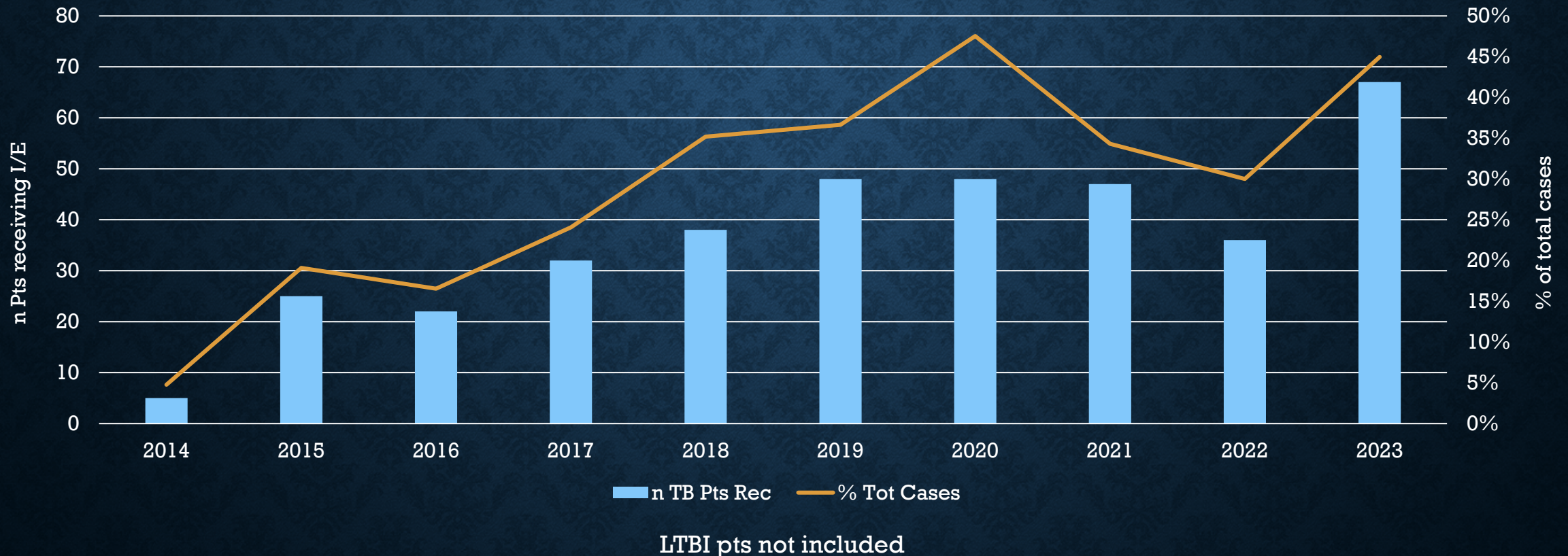
GIFT CARDS: TYPE OR VENDOR REQUESTED, FY2023



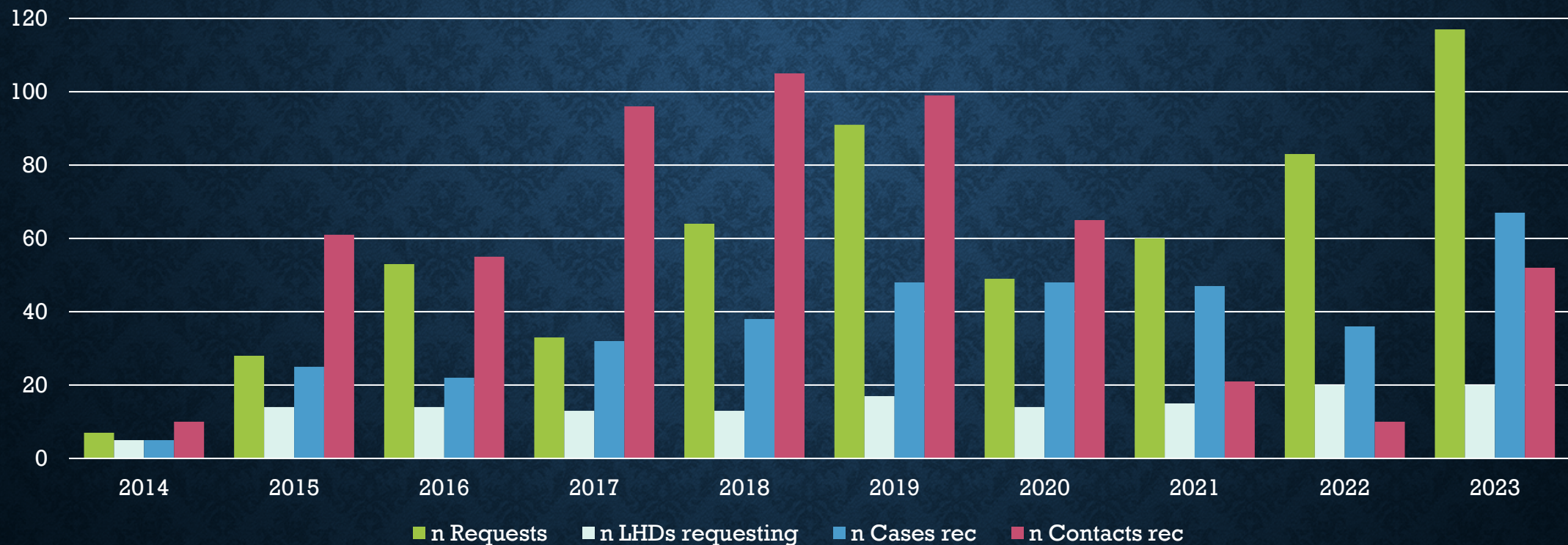
TOTAL DOLLARS SPENT FOR I/E AND NUMBER OF I/E REQUESTS, PER FISCAL YEAR



NUMBER OF INDIVIDUAL TB PATIENTS RECEIVING I/E, AND CORRESPONDING PROPORTION OF TOTAL TB CASES, PER FISCAL YEAR



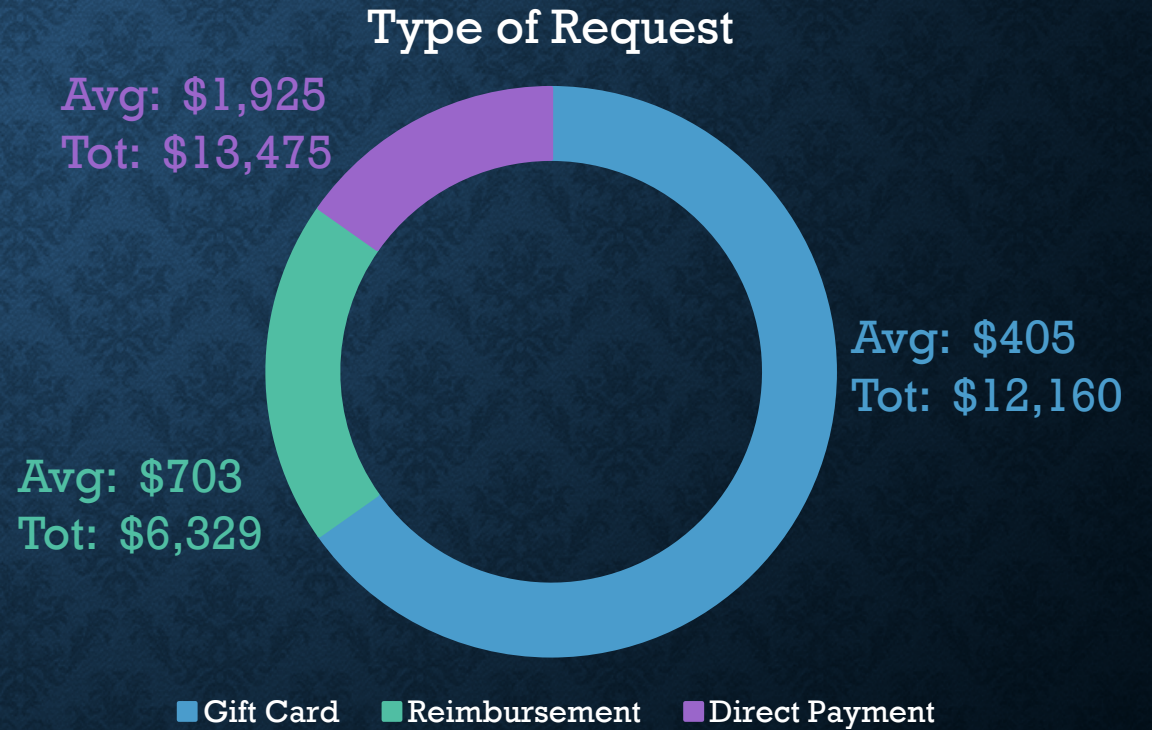
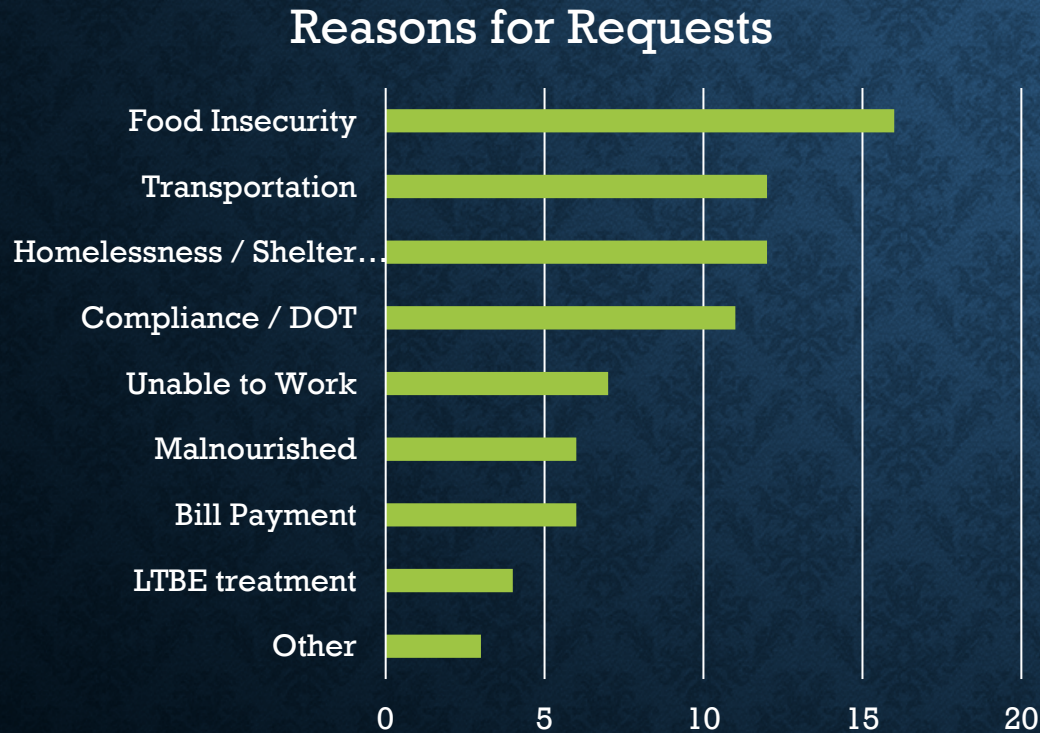
I/E TRENDS & INDIVIDUAL CASES VS CONTACTS SERVED, PER FISCAL YEAR




I/E SNAPSHOT 10/2023 – 2/2024

- 44 requests
- 59 people supported: 28 TB, 30 Contacts/LTBI
- ~\$31,000 provided so far

REASONS FOR REQUESTS AND TYPE REQUESTED, 10/2023 – 2/2024



LANGUAGE TRANSLATION/INTERPRETATION

- Bromberg & Associates
- State of Michigan has special pricing, TB Program pays for an account at State pricing.
- Primarily live, on-demand telephone translation. Bromberg also provides document translation.
-  State TB Program account only available for Local Health Departments.

BROMBERG TRANSLATION SERVICES, 2023

- 222 phone calls: \$1,983
 - 16 languages
- 26 documents translated: \$11,273
 - 15 languages
- Tot: \$13,256

n Translation Requests



■ Ukrainian

■ Arabic

■ Bengali

■ Kinyarwanda

■ Pashto

■ Spanish

■ Haitian Creole

■ Swahili

■ Burmese

■ French

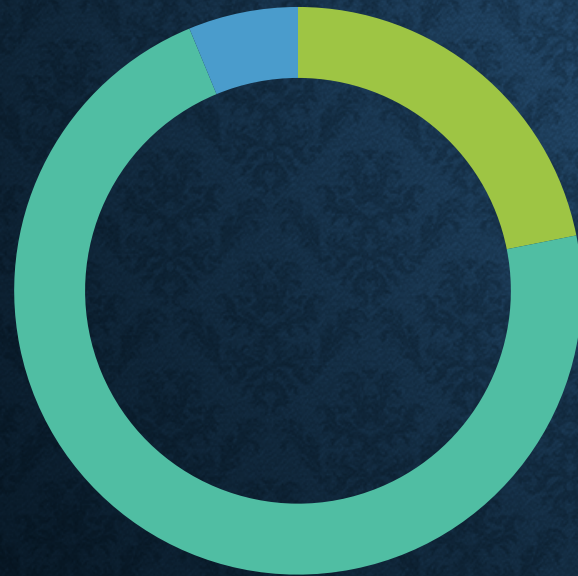
■ Other (9)

CLINICAL CONSULTATION

- 4 TB-expert physicians serving 2-week rotations.
- 34 consultation requests.
- 31 individual patients.
- 12 requests (35%) from Hospital or Health System. 22 requests from Local Health Departments (65%).
- Requests submitted through online short survey, then assigned to consultant on-call.

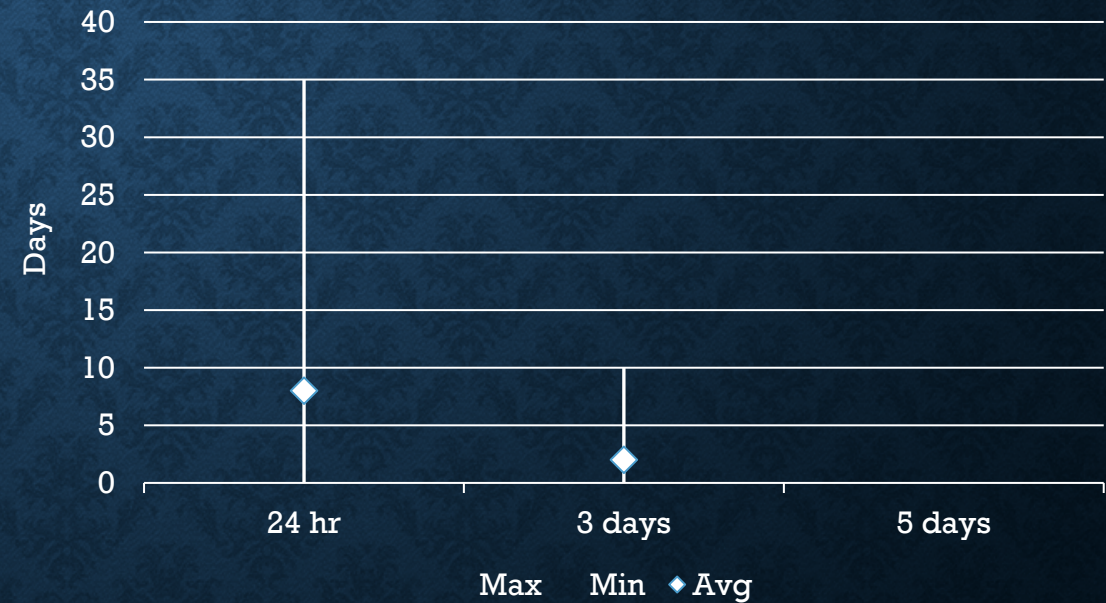
CONSULTATION RESPONSE TIMES

Requested Response Time



■ 24 hrs ■ 3 days ■ 5 days

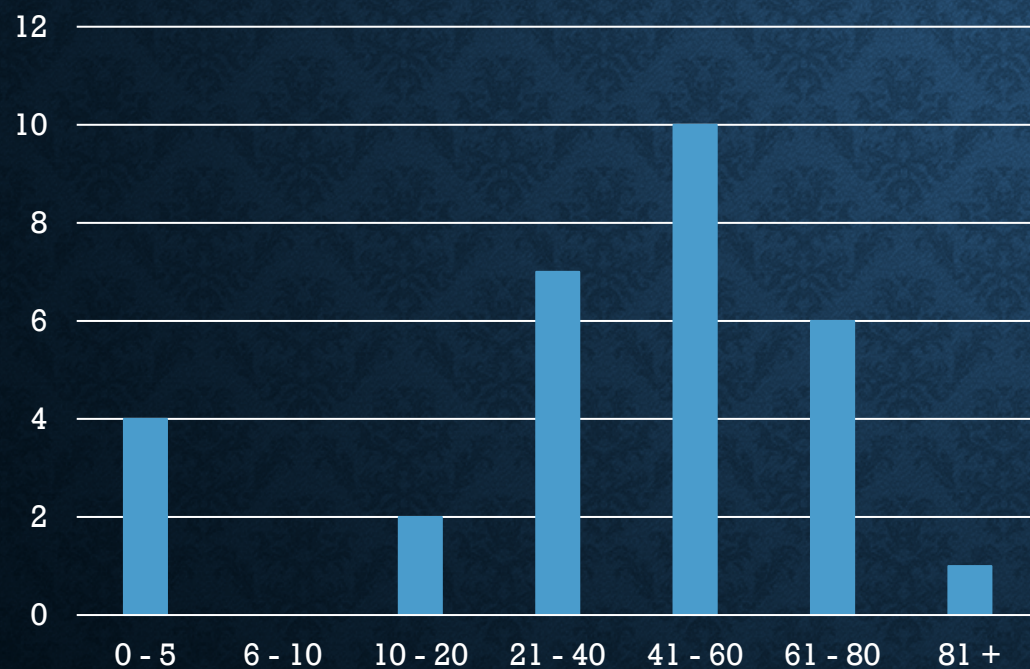
Consultation Completion by Response Time



* 5 days omitted due to only 2 requested.

CONSULTATION PATIENT DEMOGRAPHICS

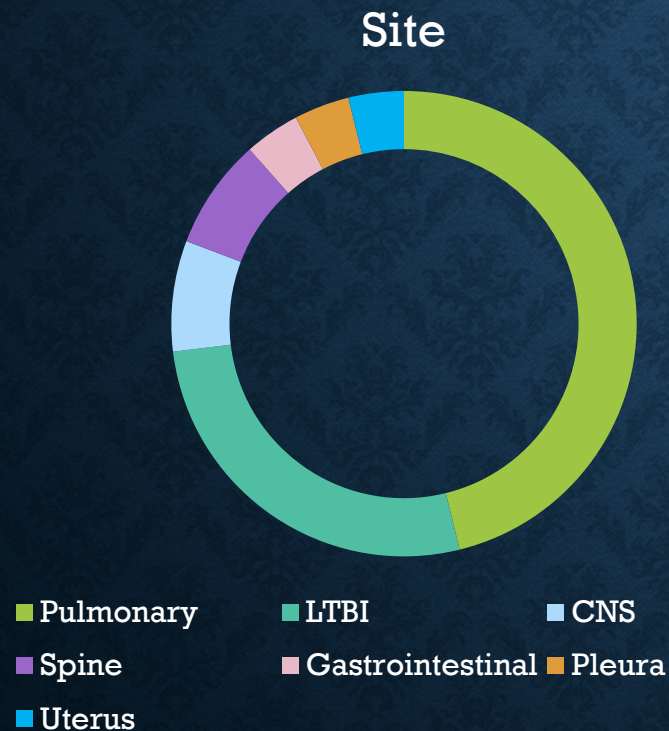
N Pts by Age Group



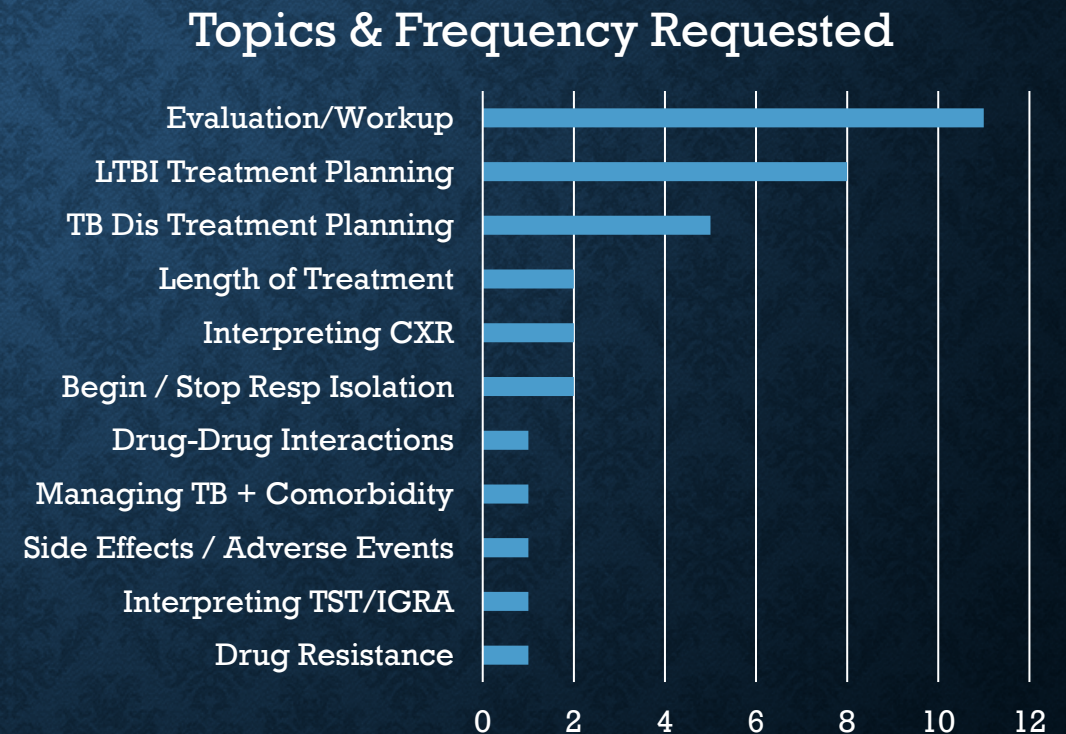
Sex



SITE OF DISEASE AND TOPIC OF REQUESTS



* Patients may have multiple sites of disease.



* Requests often reference multiple topics.

TB CARE FINDER

- New website provided by CDC to help Class B new arrivers find and connect with the right Local Health Department.
- Peter announced to LHDs with direct access to EDN on 2/28. Nikki Wesorick announced to all other LHDs (without direct EDN access) on 3/7.
- Didn't receive one of these announcements? Unsure what you should do? Just haven't gotten around to this yet?
 - Contact Peter or Nikki!