

TBeat

A newsletter produced by the
Heartland National TB Center

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Heartland Gearing Up for Lone Star State

Heartland National Tuberculosis (TB) Center has exciting news for our fellow Texans. Heartland and the Texas Department of State Health Services (DSHS) have formed a renewed partnership! This new partnership affords our healthcare team the opportunity to offer assistance towards building more capable communicable disease-fighting regions throughout our state. The Heartland team is led by Dr. Barbara Seaworth and Dr. Lisa Armitige, board certified infectious disease physicians.

Heartland provides medical consultations to physicians and healthcare providers as they manage patients with TB exposure, infection, or disease throughout the state of Texas. Our program offers additional services, including offering technical assistance to other community or private physicians, hospitals, congregate settings, and the four Texas Binational Tuberculosis Program (BNTB) clinics. Heartland's nurse consultants assist with analysis and resolution of TB case management issues and will communicate concerns to the TB unit nurses on an ongoing basis.

In collaboration with the TB and Hansen's Disease Unit, Heartland will develop trainings and eLearning activities to support TB prevention and care activities throughout Texas. Opportunities include webinars, in-person trainings, and virtual conferences. Based on needs within the state, Heartland's staff can create/produce on-demand products and just in time trainings to assist professionals who aim to eliminate TB. We look forward to strengthening this important collaboration in the coming years.





Meet the Staff



Barbara Seaworth, MD FIDSA
Medical Director



Lisa Armitige, MD PhD
Assistant Medical Director



Halbert 'Hal' Brown, DBA(c), MBA
Executive Director



Megan Divine, MD
Medical Consultant



Debbie Davila, MSN, RN
Nurse Consultant/Educator



Catalina Navarro, BSN, RN
Nurse Consultant/Educator



Salma Lerma, MSN, RN
Nurse Consultant/Educator



Delphina Sanchez, MA
Director of Education and Training



Lauren Warren-Fields, M.Ed
Training and Education Developer



Chelsea Hargrave, BS, CHES
Training and Education Developer

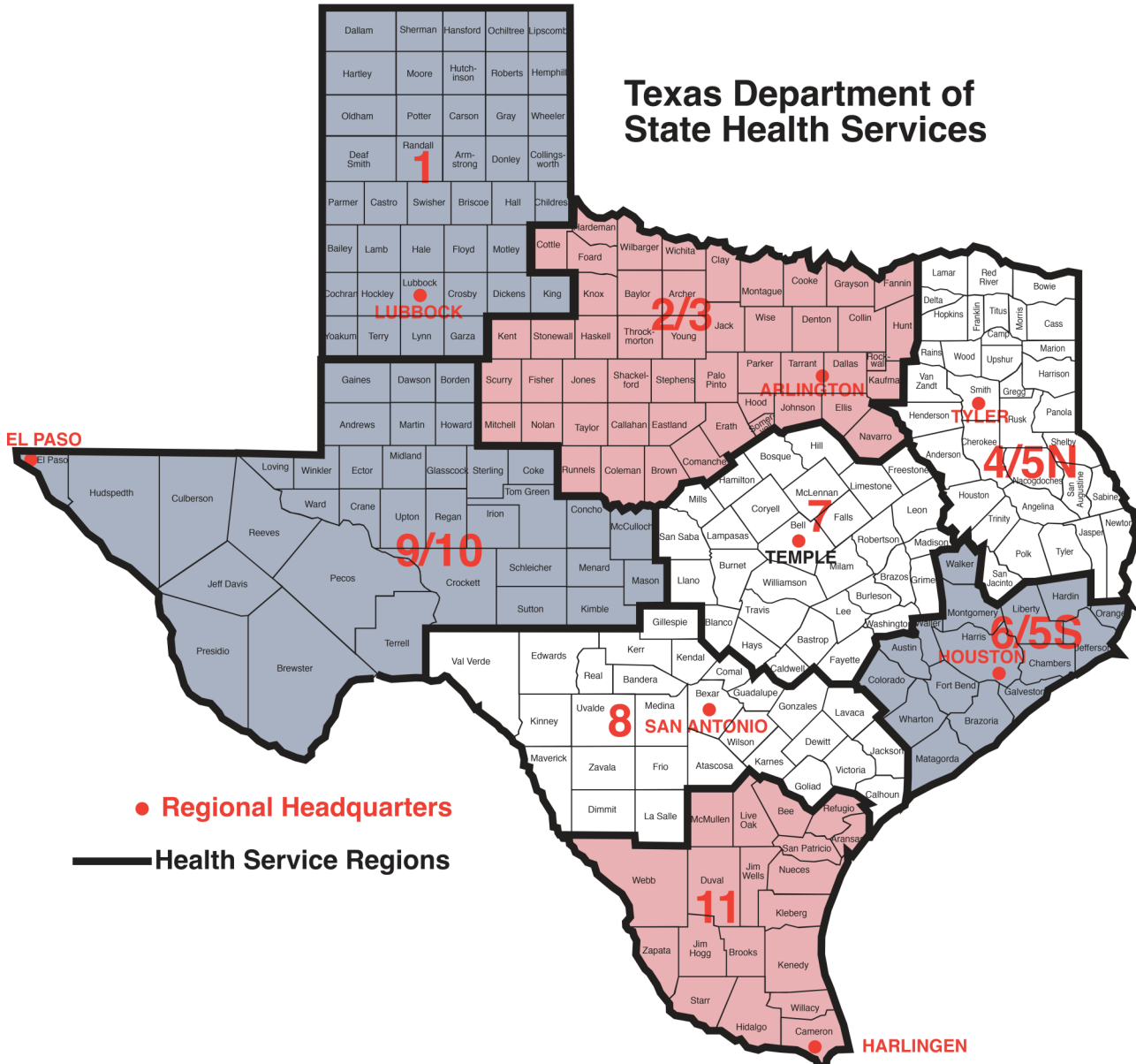


Alysia Wayne
Program Specialist

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Region Assignments per Nurse Consultant



Debbie Davila

Regions:
 PHR 1—Lubbock
 PHR 6/5 South—Houston
 PHR 9/10—El Paso

Salma Lerma

Regions:
 PHR 4/5 North—Tyler
 PHR 7—Temple
 PHR 8—San Antonio

Catalina Navarro

Regions:
 PHR 2/3—Arlington
 PHR 11—Harlingen

****For all Medical Consultation requests, please contact the HNTC designated nurse consultant for your region****



WORLD TUBERCULOSIS (TB) DAY: TB IN TEXAS



LIVE WEBCAST

Friday, March 24, 2023
9:00 am - 12:10 pm CT

Join TB experts from the Texas Department of State Health Services and Heartland National TB Center as they discuss the following topics:

- Overview of Epidemiological Trends in Texas
- State Laboratory Updates and Innovations on the Horizon
- TB in Vulnerable Populations
- TB Initiatives in Texas
- Patient-Centered Care

REGISTER HERE
TODAY

<https://www.heartlandntbc.org/training/>



Doctor Spotlight

Heartland's very own, Dr. Barbara Seaworth, was recently selected to give the George Comstock Lecture at the 27th Annual Conference of the Union-North America Region End TB Conference in Vancouver, British Columbia. This is an annual lecture given by distinguished leaders and addresses important public health issues in global tuberculosis control.



Heartland in the Community

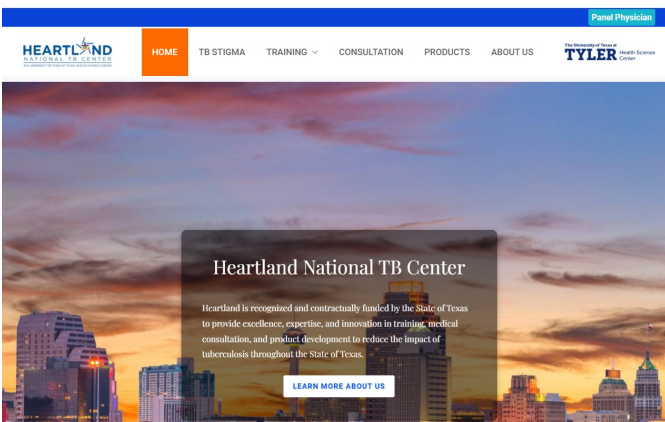
On February 10th, UT Tyler and UT System Living Well invited participants to wear red and participate in a Heart Walk in observance of American Heart Month. The Heartland National TB Center staff took advantage of the beautiful weather and joined the initiative by walking over a mile around the San Antonio headquarters.



Texas Takeover

Our neighbors and partners Breathe Easy South Texas (BEST) TB Elimination Project, Texas Center for Infectious Disease Hospital inpatient nurses, and Elizabeth Reyes are being recognized as 2023 U.S. TB Elimination Champions by the CDC. While they are always champions in the fight to end TB, we love that these individuals and organizations are getting recognition. For a complete list of TB champions [click here](#).

Check out our WEBSITE!



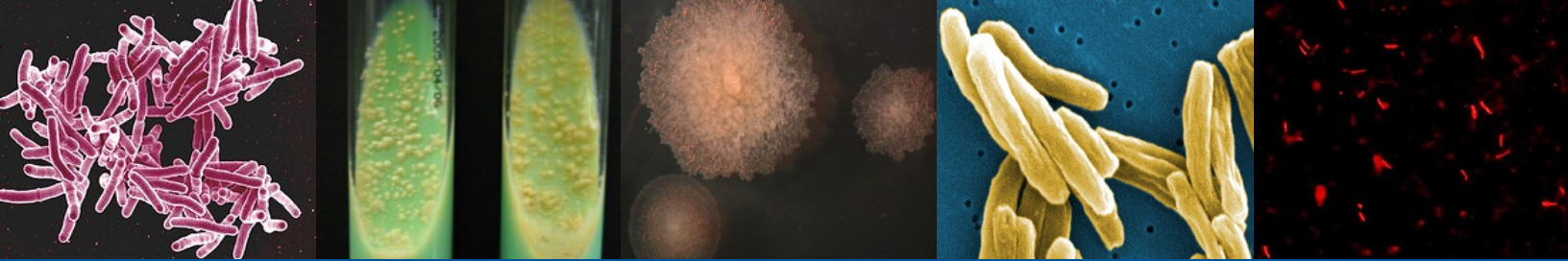
Have you visited our website? Take a look around and let us know what you think!

<https://heartlandntbc.org/>

For questions please contact :

lauren.warren-fields@uthct.edu

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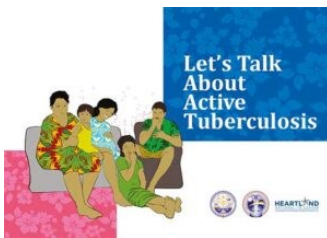
Characteristics of Commonly-Used Second-Line Drugs for Drug-Resistant TB

Drug	Standard Dose (mg/kg)	Characteristics	Side Effects
Bedaquiline	400 mg once daily for 24 weeks	First-in-class, diarylquinoline, active against MDR-TB, BDR-TB, and XDR-TB. It is a pro-drug that is converted to the active form, BEQ, in the body.	Headache, nausea, vomiting, diarrhea, weight loss, and decreased bone mineral density.
Moxifloxacin	400 mg once daily for 6-12 months	Fluoroquinolone, active against MDR-TB, BDR-TB, and XDR-TB. It is a pro-drug that is converted to the active form, MFX, in the body.	Headache, nausea, vomiting, diarrhea, and tendonitis.
Linezolid	600 mg twice daily for 6-12 months	Oxazolidinone, active against MDR-TB, BDR-TB, and XDR-TB. It is a pro-drug that is converted to the active form, LZD, in the body.	Headache, nausea, vomiting, diarrhea, and thrombocytopenia.
Clofazimine	150 mg once daily for 6-12 months	Dibenzothiazepine, active against MDR-TB, BDR-TB, and XDR-TB. It is a pro-drug that is converted to the active form, CFZ, in the body.	Reddish-brown discoloration of the skin and sputum, and peripheral neuropathy.
Delamanid	300 mg twice daily for 6-12 months	Diethyl acylhydrazide, active against MDR-TB, BDR-TB, and XDR-TB. It is a pro-drug that is converted to the active form, DMN, in the body.	Headache, nausea, vomiting, diarrhea, and weight loss.
Prothionamide	500 mg once daily for 6-12 months	Thioamide, active against MDR-TB, BDR-TB, and XDR-TB. It is a pro-drug that is converted to the active form, PTH, in the body.	Headache, nausea, vomiting, diarrhea, and weight loss.
Isoniazid	300 mg once daily for 6-12 months	Isoniazid, active against MDR-TB, BDR-TB, and XDR-TB. It is a pro-drug that is converted to the active form, INH, in the body.	Headache, nausea, vomiting, diarrhea, and weight loss.
Rifampin	600 mg once daily for 6-12 months	Rifamycin, active against MDR-TB, BDR-TB, and XDR-TB. It is a pro-drug that is converted to the active form, RFP, in the body.	Headache, nausea, vomiting, diarrhea, and weight loss.
Pyrazinamide	25-30 mg/kg once daily for 6-12 months	Pyrazinamide, active against MDR-TB, BDR-TB, and XDR-TB. It is a pro-drug that is converted to the active form, PZA, in the body.	Headache, nausea, vomiting, diarrhea, and weight loss.
Ethambutol	15-20 mg/kg once daily for 6-12 months	Ethambutol, active against MDR-TB, BDR-TB, and XDR-TB. It is a pro-drug that is converted to the active form, EMB, in the body.	Headache, nausea, vomiting, diarrhea, and weight loss.
Streptomycin	15 mg/kg once daily for 6-12 months	Streptomycin, active against MDR-TB, BDR-TB, and XDR-TB. It is a pro-drug that is converted to the active form, STM, in the body.	Headache, nausea, vomiting, diarrhea, and weight loss.
Capreomycin	15 mg/kg once daily for 6-12 months	Capreomycin, active against MDR-TB, BDR-TB, and XDR-TB. It is a pro-drug that is converted to the active form, CAP, in the body.	Headache, nausea, vomiting, diarrhea, and weight loss.
Fluoroquinolones	400 mg once daily for 6-12 months	Fluoroquinolones, active against MDR-TB, BDR-TB, and XDR-TB. It is a pro-drug that is converted to the active form, FQ, in the body.	Headache, nausea, vomiting, diarrhea, and weight loss.

UPDATE—Characteristics of Second-Line Drugs for MDR-TB (Revised)

Available in hard copy or for download.

Download — [Characteristics of Second-Line Drugs for MDR-TB](#)



UPDATE—Let's Talk About Active Tuberculosis

Now available in hard copy!

Download—[Let's Talk About Active Tuberculosis](#)



UPDATE—What You Need to Know About Tuberculosis—Translated in Dari and Pashto

Now available in hard copy!

Dari Download—[What You Need to Know About Tuberculosis \(Dari\)](#)

Pashto Download—[What You Need to Know About Tuberculosis \(Pashto\)](#)

Resources

Centers for Disease Control and Prevention, Division of Tuberculosis Elimination—<http://cdc.gov/tb/>

TB COE's for Training, Education, and Medical Consultation—https://www.cdc.gov/tb/education/tb_coe/default.htm

Find TB Resources—<https://findtbresources.cdc.gov/>

National TB Controllers Association—<http://www.tbcontrollers.org>

Program Collaboration and Service Integration (PCSI) - <http://www.cdc.gov/nchhstp/programintegration/Default.htm>

TB Education and Training Network—<http://www.cdc.gov/tb/education/Tbetn/default.htm>

Tuberculosis Epidemiologic Studies Consortium (TBESC) - <http://www.cdc.gov/tb/topic/research/TBESC/default.htm>

*If your organization has any additional links for TB resources that you would like published, please send them to

chelsea.hargrave@uthct.edu*



Trainings

2023 HNTC Training Calendar

Date(s)	Course	Location
March 24	World TB Day	Online
April 25, May 2, 9, 16, & 23	Introduction to TB Nurse Case Management	Online
May 18, 25, June 1, & 8	Essential of TB Nurse Case Management	Online
June 8	TST Train the Trainer	San Antonio, TX
July/August	TB Updates	Houston, TX

****Please refer to the website for any future trainings and detailed information.****

Please visit our website: <https://www.heartlandntbc.org/training/>

Proposed topics are subject to change; check website for the latest updates.

**TRAININGS ARE POSTED TO THE WEBSITE
AS THEY ARE CONFIRMED**

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The MISSION of the Heartland National TB Center is to build capacity with our partners. We will share expertise in the treatment and prevention of tuberculosis by: developing and implementing cutting-edge trainings, delivering expert medical consultation, providing technical assistance, and designing innovative educational and consultative products.

The VISION of Heartland National TB Center is to provide *excellence, expertise, innovation* in training, medical consultation, and product development to reduce the impact of tuberculosis in the state of Texas.