

Health Network

A Care Coordination Program for Patients Who Move During Treatment



MIGRANT CLINICIANS **NETWORK**



Practical Solutions at the Intersection of Vulnerability, Migration, and Health



Climate Crisis & Health Equity



Continuing Care While Moving



Health Provider Support

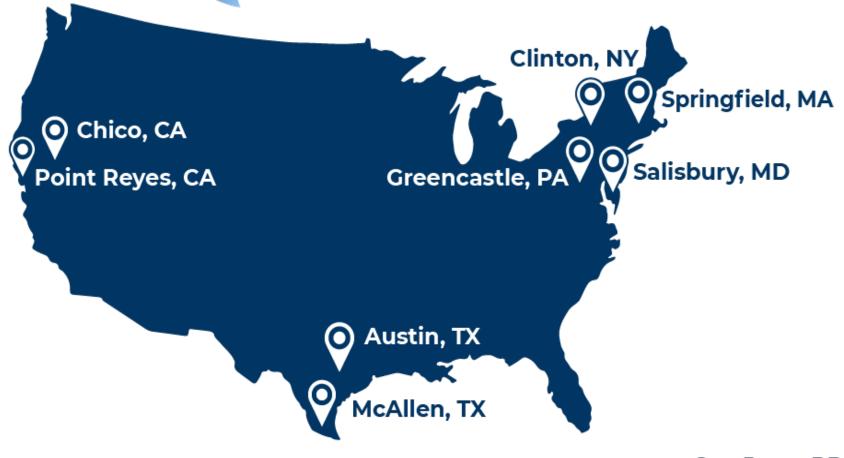


Support of Migrants in Detention



Community **Engagement**

MEN Office Locations







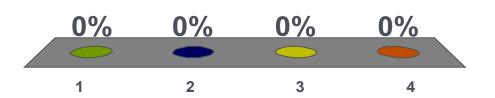
MCN's Primary Constituents

- Health educators
- Nurses
- Primary care providers
- Dentists
- Social workers
- CHWs
- Outreach workers
- Medical assistants



How many languages are spoken by the patients at your health center?

- 1. 1-2
- 2. 3-4
- 3. 5-6
- 4. >6



Unusual Diagnoses

- Chikungunya
- Dengue Fever
- Chagas





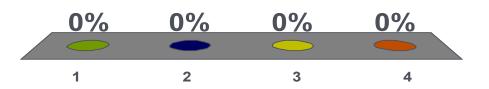
Management Challenges

- HIV/AIDS
- TB
- Hepatitis

Global Health in Primary Care

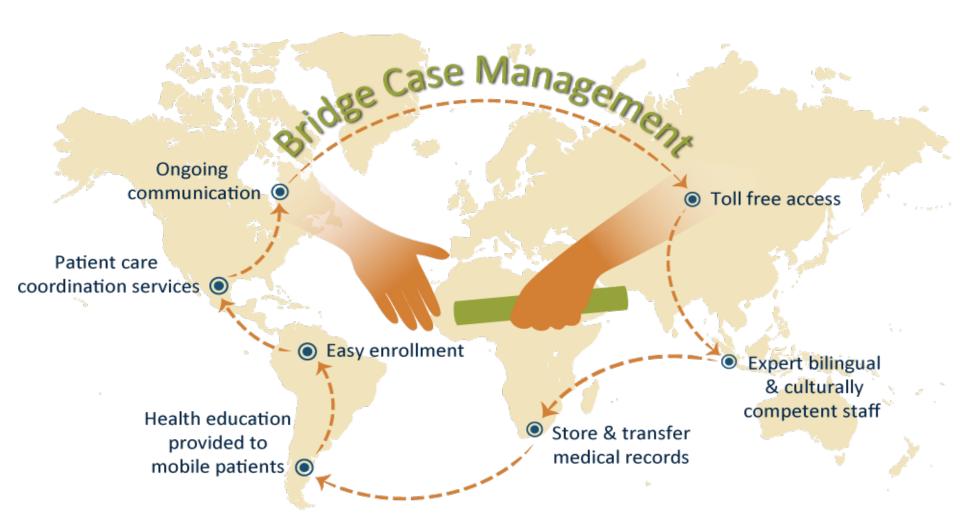
How many languages do the clinicians at your health center speak (collectively)

- 1. 1-2
- 2. 3-4
- 3. 5-6
- 4. >6





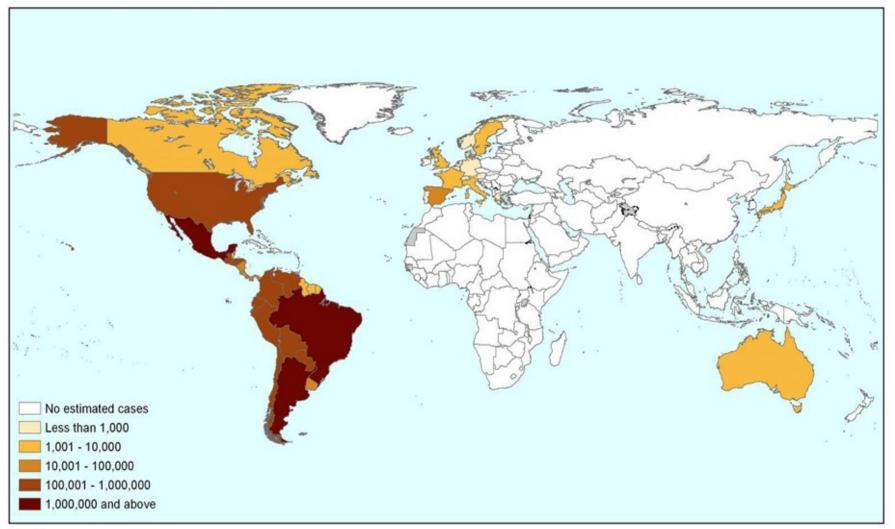
Care Management AND Referral Tracking and Follow-up Health Network



The patient in my office today was living in Central America last month. What do I need to know about infectious diseases?



Estimated global population infected by Trypanosoma cruzi, 2009



Sources:

- OPS/HDM/CD/425-06 Estimación cuantitativa de la enfermedad de Chagas en las Américas.
- Guerri-Guttenberg RA, Grana D.R., Giuseppe Ambrosio, Milei.J. Chagasic cardiomyopathy: Europe is not spared! European Heart Journal (2008); 29: 2587-2591.
- 3. Schmunis, G. A. Epidemiology of Chagas Disease in non-endemic countries: the role of international migration. Mem Inst Oswaldo Cruz, Rio de Janeiro, Vol. 102(Suppl. I): 75-85, 2007.
- 4. De Ayala A.P. Pérez-Molina J.A. Norman F., and López-Vélez R. Chagasic cardiomyopathy in inmigrants from Latin America to Spain. Emerging Infectious Disease Volume 15, Number 4-April 2009.
- 5. According to the numbers of inmigrants registered for 2007in the website of the Japanese Ministry of Justice and estimated seroprevalence for non endemic countries according to
- Paricio-Talayero J.M. Vigilancia epidemiológica de la transmisión vertical de la enfermedad de Chagas en tres maternidades de la Comunidad Valenciana. Enferm Infecc Microbiol Clin 2008;26(10):609-13.

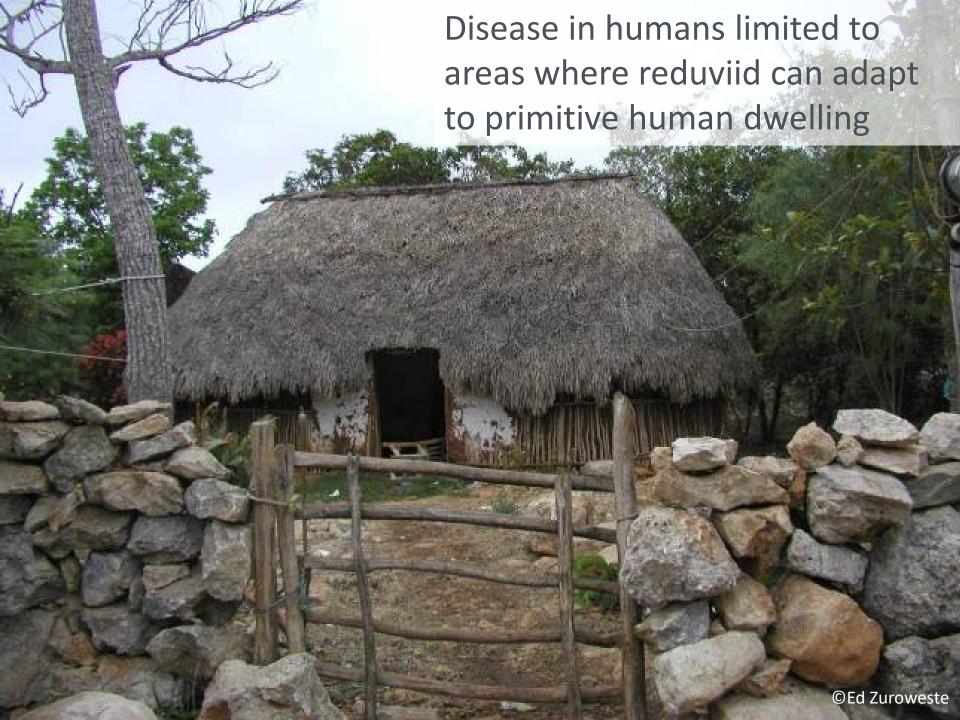
Chagas' Disease

- 8-11 million people infected
- \sim 50,000 deaths per year
- Most Important parasitic disease in Western
 Hemisphere (disease burden 7.5 times as great as
 Malaria**)
- In 2011 >300,000 people in the US are infected**
- ~100,000 will progress to chronic disease*









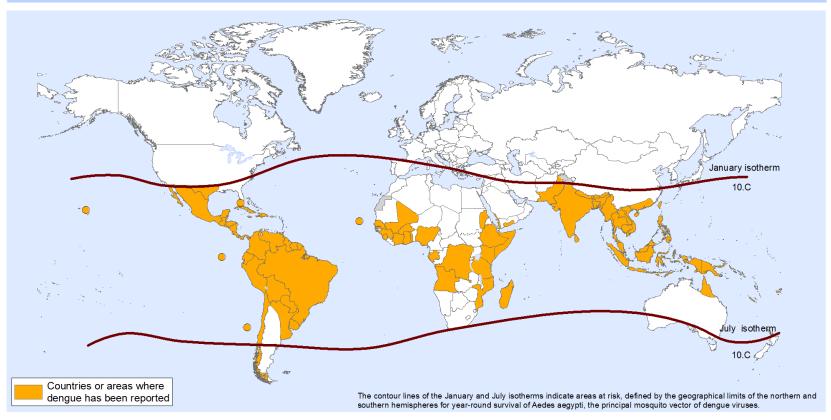
Chagas' Disease Chronic Phase

- 20% to 30% of the infected individuals will develop irreversible lesions of the autonomic nervous system in the heart, esophagus, colon and the peripheral nervous system (~ 100,000 in the US)
- Mean age of onset of chronic disease is 35-45 years old





Dengue, countries or areas at risk, 2013



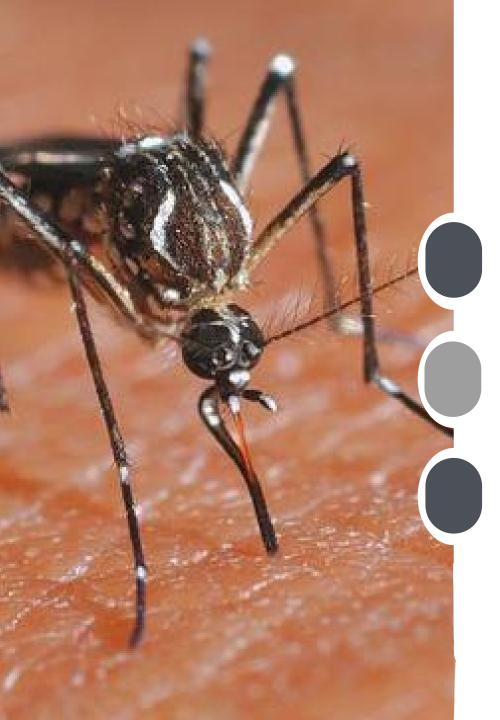
The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

Data Source: World Health Organization
Map Production: Health Statistics and
Information Systems (HSI)
World Health Organization



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Most widespread arboviral illness worldwide (50-100 million cases) and 25,000 Deaths/year



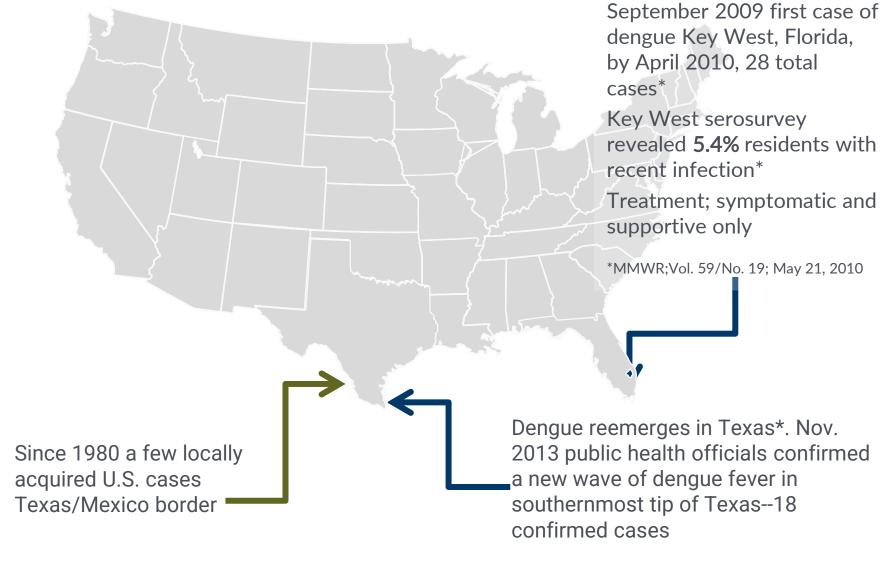
Dengue Fever

Transmitted by mosquitoes (Aedes aegypti)

Most patients—mild dis. Flu-like symptoms; severe HA; aching joints/muscles "bone-break" dis;

500,000/yr dengue hemorrhagic fever (capillary leak syndrome—thrombocytopenia; abnormalities in coagulation/LFTs/potentially resulting in shock, bleeding, and organ failure). Almost exclusively in previously infected patients because of "antibody-dependent enhancement".

Dengue in the United States



*http://blogs.scientificamerican.com/observations/201 3/11/18/16685/

Chikungunya in the U.S.

- ✓ Rare before 2006
- ✓ By 2013 average 28 cases/year
- ✓ Jan. 2014—Sept. 2015 travel associated cases 3,270

June 27, 2014 First locally acquired case in US in Florida



- Acute Fever/severe polyarthralgias/joint pains (months/yrs)
- Rarely fatal (<0.1%)
- No specific Rx (Prevention)



Medscape Oct 12, 2015

States With the Most Travel Associated Chikungunya Infections Diagnosed From January 2014 to September 2015

State	N	Percent
New York	863	26%
Florida	530	16%
California	237	7%
Massachusetts	206	6%
New Jersey	205	6%

"Tuberculosis is a social problem with a medical aspect"

Sir William Osler, 1904

Global Burden Of Tuberculosis



Global Burden of TB, 2020

WHO Global Tuberculosis Report 2021

	Estimated Number of Cases	Estimated Number of Deaths
All forms of TB	9.9 million	1.5 million*
HIV-Associated TB	1.2 million (12%)	215,000
Multidrug-resistant TB (MDR-TB)	500,000**	~150,000

- Approx. 23% of the world population (1.7 billion people) is infected with *M.tb*
- Estimated that 43 million lives were saved between 2000 and 2014 through effective diagnosis and treatment
- Adults accounted for 88% and children, aged <15 years, for 12% of all people with TB.



TB causes more deaths among women than all causes of maternal mortality



Every day 20,000 people develop TB disease and 4,400 die (< 12,000 Total Ebola Deaths)



Each year over 9 million people around the world become sick with TB disease.



On average, one person dies of TB every 15 seconds

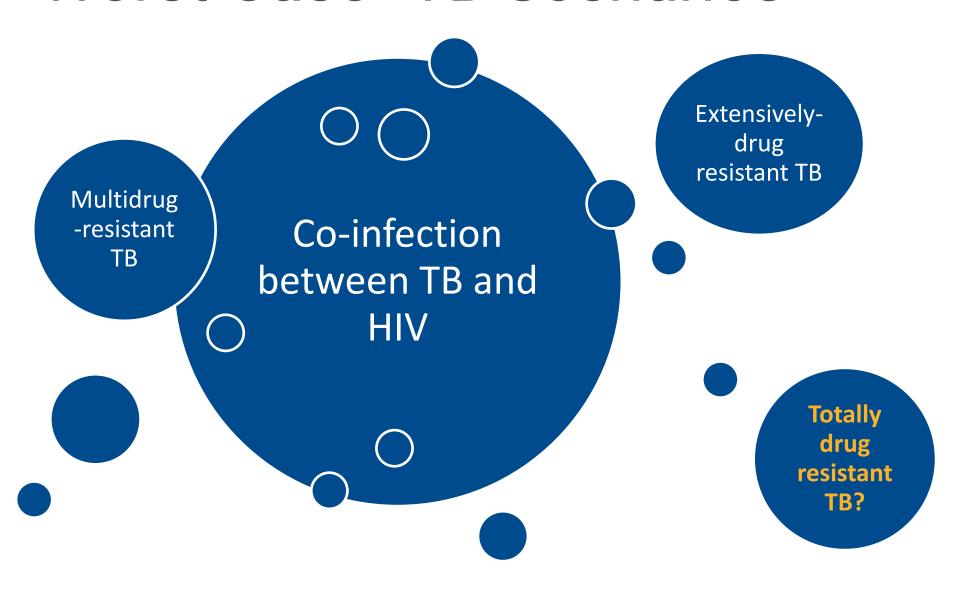


TB accounts for more than ¼ of all preventable adult deaths in developing countries

Estimated TB Burden, 2019 22 high burden countries*

Country	# of new cases	Country	# of new cases
1. India (26%)	1,683,915	12. Vietnam	102,087
2. Indonesia (8.5%)	1,000,000	13. Nigeria	91,354
3. China (8.4%)	801,532	14. Kenya	89,294
4. Philippines (6.0%)	318,193	15. Brazil	90,527
5. Pakistan (5.8%)	316,577	16. Thailand	71,618
6. Nigeria (4.6%)	267,436	17. Tanzania	63,151
7. Bangladesh (3.6%)	268,596	18. Mozambique	58,270
8. South Africa (3.3%)	141,957	19. Afghanistan	48,800
9. DR Congo	171,682	20. Uganda	46,171
10. Russia	136,168	21. Zimbabwe	32,016
11. Ethiopia	114,233	22. Cambodia	28,757

"Worst-Case" TB Scenarios

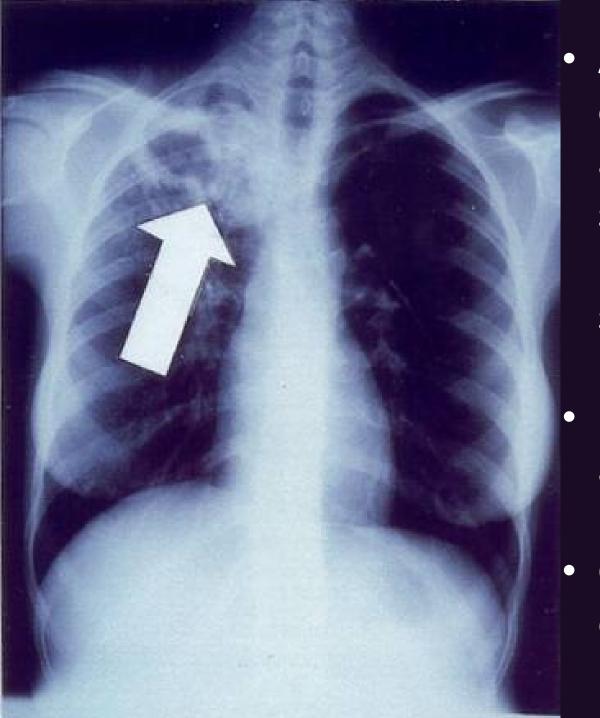




- 1/3 of 33 million people living with HIV/AIDS coinfected with TB >10 million people
- Without treatment 90% will die within months
- TB is the leading cause of death among HIV positive people (up to 50% of all patients worldwide)



Burden of Tuberculosis in the United States



Abnormalities
 often seen in
 apical or posterior
 segments of upper
 lobe or superior
 segments of lower
 lobe

- May have unusual appearance in HIVpositive persons
- Cannot confirm diagnosis of TB

Cultures

- Used to confirm diagnosis of TB
- · Culture all specimens, even if smear negative
- Results in 4-14 days when liquid medium used



Nucleic Acid Amplification (NAA) Tests

- Direct identification of MTB in clinical specimens
- Becoming standard of practice
- 2009 MMWR "at least one respiratory specimen from each patient with signs/symptoms of pulmonary TB"
- Available in 24-48 hours

Drug Susceptibility Testing

- Drug susceptibility testing on initial M. tuberculosis isolate
- Repeat for patients who:
 - Do not respond to therapy
 - Have positive cultures despite 2 months of therapy
- Promptly forward results to the health department





Control 1:10 dil. INH 0.2 µg/ml

RIF 40 µg/ml







Extrapulmonary TB

In most cases, treat with same regimens used for pulmonary TB Bone, joint and miliary TB

Treat for a minimum of 9 months

TB Meningitis in Children

Treatment for a minimum of 12 months



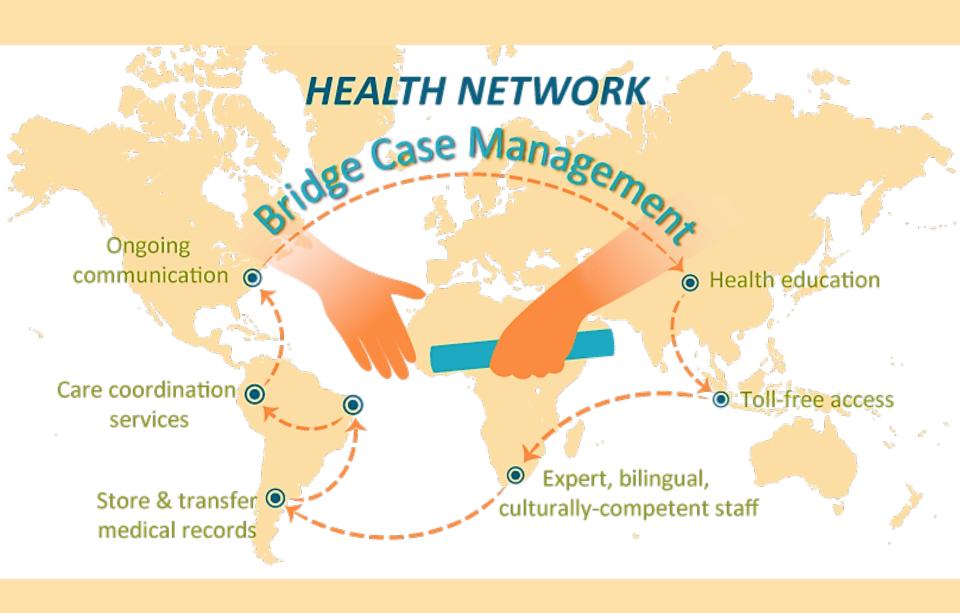
Drug Regimen for Treatment of LTBI

Drugs	Duration (months)	Interval	Minimum doses
Isoniazid	9	Daily Twice weekly	270 76
Isoniazid	6	Daily Twice weekly	180 52
Rifampin	4	Daily	120
INH/Rifapentine	3	Once a week	12

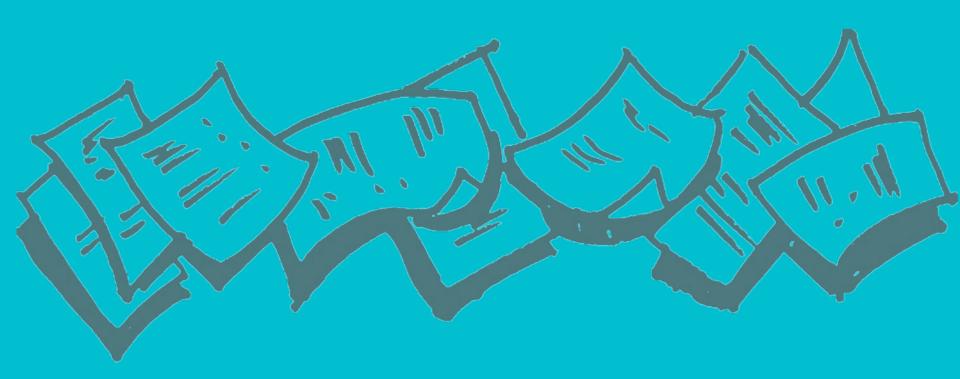




Eliminate health disparities due to patient mobility



Forms Required for Enrollment



Migrant Clinicians Network PO Box 164285 Austin, Texas 78716



Business Phone: (512) 327-Confidential Fax: (512) 327 Confidential Phone: (800) 825

Gives MCN staff legal permission to transfer participants' medical records and contact participants

Valid if sent within 5

signed by patient,

remains valid for 24

business days of being

ENROLLMENT IN THE MCN HEALTH NETWORK

Enrolling Clinic	Clinic phone number(s)					
E-mail address	Clinic fax number(s)					
Contact person at Clinic						
Security Question #1:	Patient's city of birth?					
Security Question #2:	Patient's father's first name?					
being enrolled. If the pluring enrollment in the	th area(s) for which the participant is articipant's health status changes e Health Network, additional areas participant's verbal consent.		Tuberculosis Prenatal Care Cancer Diabetes	1	HIV General Healt	

CONSENT FOR RELEASE OF MEDICAL INFORMATION

First Name Last Name(s) Alias, Nicknames, Etc. Birth Date (Month / Day / Year)

The Health Network currently helps with continuity of care for people with infectious chronic illnesses or other healthcare concerns. (i) MCN is a non-profit company coordinating my enrollment in the Health Network at no cost to me; (ii) MCN may not be able to obtain health care providers that are available to care for my condition at no cost to me; (iii) the health care providers who will be providing my treatment are independent and not employees of MCN; and (iv) MCN does not provide, and is not responsible for, any health care treatment, or the outcomes of such treatment, in connection with any or all of the Health Network projects.

I agree to participate in the Health Network, and I understand that my protected health information and personal information will only be released for the purposes of my medical treatment, healthcare operations, payment, or pursuant to my authorization.

I do NOT authorize MCN or future health care providers to have access to my medical records around issue(s) listed here:

(attach additional page if needed)

I agree to notify my future health care providers of my enrollmi the MCN Health Network to help facilitate the transfer of my m records. I understand and consent to MCN maintaining records containing sensitive health information (examples: HIV status a information about mental health issues) if my health care provibelieves this information is needed for my treatment. I authori and future health care providers to have access to those medithat my health care providers feel are necessary for my medic treatment and/or continued screening.

months from the date Authorized individuals from MCN may contact me by phone. signed person regarding follow up and referral for my treatment for conditions. These individuals will adhere to federally mandal confidentiality, privacy and security procedures. This conserremain in effect for two years (24 months) from the date s my participation in the Health Network has ended for anotican submit a written request any time to leave the Health Network or to limit the health issues that MCN is authorized to address. I also understand that I have a right to receive a copy of my medical records on file with MCN upon written request.

I HEREBY RELEASE MCN. ITS EMPLOYEES, OFFICERS, DIRECTORS, CONSULTANTS, REPRESENTATIVES, SUCCESSORS, AND A ANY AND ALL CLAIMS, CAUSES OF ACTIONS, DAMAGES, LOSSES, EXPENSES (INCLUDING ATTORNEYS' FEES), AND LIABILITY WHATSOEVER ARISING OUT OF MY ENROLLMENT IN THE HEALTH NETWORK AND MY HEALTH CARE TREATMENT RESULT IN THE HEALTH NETWORK

*PARTICIPANT SIGNATURE (or Signature of Legal Representative)

Relationship of Legal Representative to Patient

Witness Signature

We recommend that, whenever por ie, you provide the participant with a capy of this Consent for Release of Medic Network Enrollment form where is completed.

ENGLISH -THIS CONSENT FORM IS VALID FOR 2 YEARS AFTER DATE OF SIGNATU

Participants may renew their consent after it expires if they still need assistance

Must have the participant's signature

Please contact us at 512-327-2017 or www.migrantclinician.org/network for more information on the Mon Please

Page 1 of 2



Business Phone: (512) 327-2017 Confidential Fax: (512) 327-6140 Confidential Phone: (800) 825-8205

PARTICIPANT INFORMATION SHEET | MCN HEALTH NETWORK

												*REQUIR
First Name				Last I	Name(s)							
Mother's Maiden Name		Birth Date (Month / Day / Year)										
	City			Gend	ler:	0	Female		Male			
Place of birth:	State Country		Adapted Ctature		0	□ Single □ Married		Divorced		0	Other:	
					0		□ Widov		wed			
Race/Ethnicity:			Hispanic/Latino Ispanic/Latino	Black – N Indigeno	Non-Hispanic/Latino				lispanio Other:	:/La	itino	
Language(s) Spoken:		nglish panish	□ Creole □ Other:	Language you			pref	fer to be o	ontacti	ed i	n:	
Occupation(s) (from past two years):	□ He	rmworker omemaker udent	0		□ Factory □ Une		Retired Unemplo Other:	oyed				
Current Residence:		rmworker C ome	amp Housing	0	Jail ICE Deter	ntior	Center	0 0	Homele: Other:	ss		
CURRENT CON	FACT II	NFORMATIC	ON FOR PART	CIPA	NT:							
		Street / P.C) Box				City			State	2	Zip/Country
PHYSICAL ADD	RESS:											
HOME / CELL / WORK: your personal			l healt	Ik to people that answer this phone about health information? (if you do not check off i do not initial, your answer will be "No")					U Yes		*INITIALS:	
OTHER CONTA	CTINF	DRMATION	FOR PARTICI	PANT	(Place you	no						
	Stre	eet / P.O Box					City			State	2	Zip/Country
Physical Address	1											
Mailing Address												
*PHONE NUMBER (with Area Code) Is it ok if we to your personal either box, or you			l healt	h informat	ion?	(if you do no	ot che				*INITIALS:	
Additional Cont you give MCN per discussing your he	mission	to contact the	at family membe	er or fr	iend to assis	t you	u in receivin	g con	tinued hea	ith care	, wi	nich may require
First Name			Last Na	me			Rela	ation	ship to Pa	rticipar	nt	
Street / P.O Box			City			Stat	e		Zip/Cou	ntry		
HOME / CELL / WORK: about your pe			alk to people that answer this phone ersonal health information? (if you do not lox, or you do not initial, your answer will be "No")			not C			*INITIALS:			

Health Network Enrollment Criteria

Patient is:

- Already mobile ORLikely to move

Patient is in need of a clinic for follow-up of ANY health condition

Clinic Must:

- Complete Enrollment Registration
- Have patient sign Consent/Send
- Send Medical Records



Medical Records and Care Coordination Card
Tarjeta de Expedientes Médicos y Coordinación de Salud

1-800-825-8205

For calls and text: (443) 305-9383

WhatsApp: 512-632-4130

www.migrantclinician.org

THIS IS <u>NOT</u> A MEDICAL INSURANCE CARD ESTO NO ES UNA TARJETA DE SEGURO MÉDICO

ATTENTION PROVIDERS: This client is a user of the MCN Health Network. MCN can help access:

ATENCIÓN PROVEEDORES: Este paciente es usuario de la Red de Salud MCN. MCN les puede ayudar a encontrar:

This patient's medical record El expediente médico de este paciente
This patient's lab results Los resultados de laboratorio de este paciente
Resources for financial assistance Recursos para ayuda económica

This is a free service El servicio es gratis

1-800-825-8205

For calls and text messages (443) 305-9383 (Google Voice):

WhatsApp: 512-632-4130

Health Network Maintaining a Patient in Care





Contacts patients on a scheduled basis (monthly for TB patients)



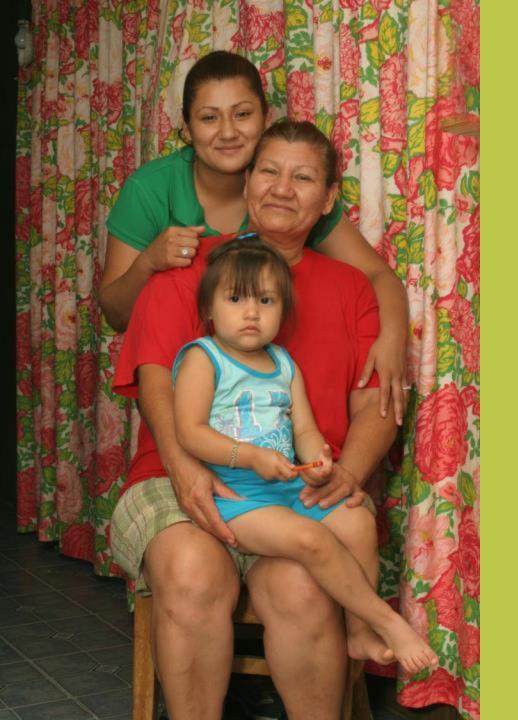
Contacts TB clinics monthly



Assists patients in locating clinics for services and resources

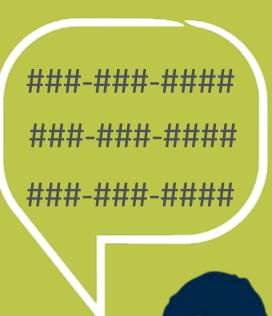


Reports back to the enrolling clinic and notifies them of outcomes



The Patient's Role...

As many phone numbers as possible





Inform HN of any phone or address changes and contact HN staff after arriving in a new area





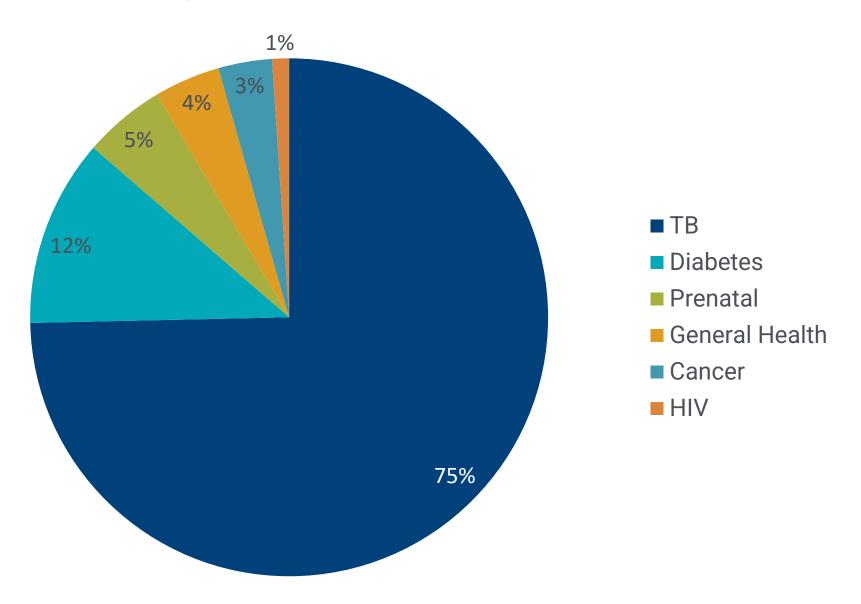
Stay on treatment as long as indicated

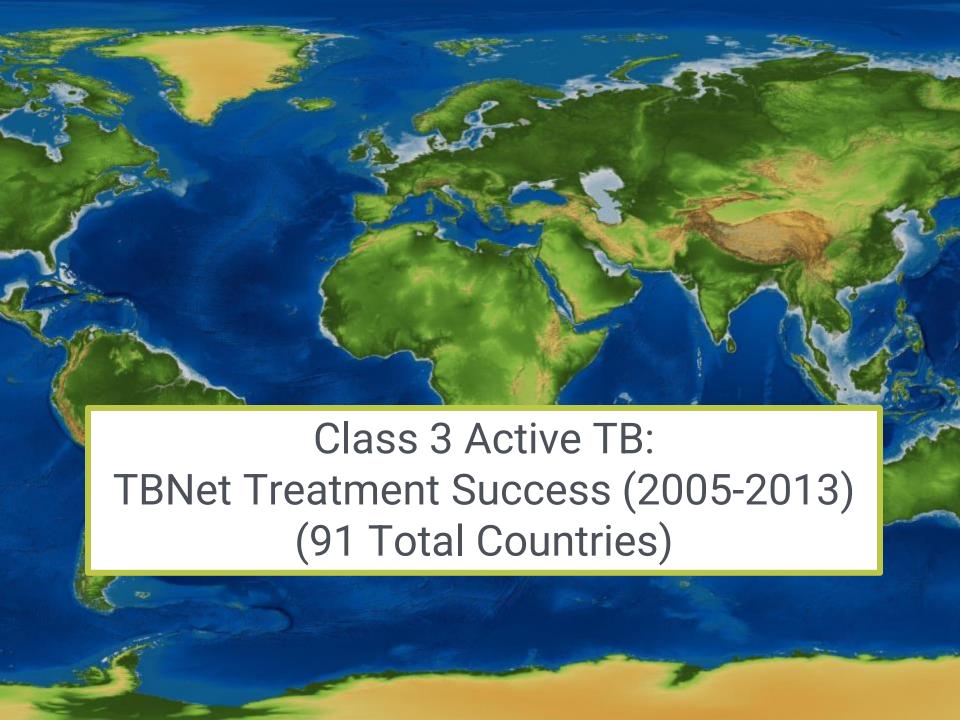




Over 3,000 total clinics in U.S. and over 114 countries

8,221 Total Health Network Cases









(26 MDR; 65 resistant to at least one drug)

24 deceased

1,451 Followed by TBNet for Active TB 147 lost to follow up 87 refused treatment

1,217 Complete Treatment

83.9%

Class 3 Active TB: TBNet Treatment Success (1/1/2005-12/31/2019)

Contract with ICE 2005-2017 (91 Total Countries)

- √ 2,176 Class 3 Active TB Cases Referred
 - 51 not recommended by country
- √ 2,125 Treatment Recommended
 - 37 deceased
- ✓ 2,088 Followed by TBNet for Active TB
 - 211 lost to follow up
 - 106 refused treatment

1,771 Complete Treatment = 84.8%

How Can TBNet Have such a high completion rate to 114 countries??

- MCN has a group of multilingual/multicultural dedicated young case managers who use multiple communication techniques (text, Whatsapp, cell phone, email), sincere concern for the patients and persistence.
- Case managers speak multiple languages
 (English, Spanish, Haitian Creole, French and Portuguese and use Language Line for all others)

How Can TBNet Have such a high completion rate to 114 countries??

It's all about connections and longevity in Global TB world. Del Garcia (MCN Director of International Projects)

- Member of the Stop TB International Board of Directors representing Developed Countries NGOs
- Americas Civil Society Coordinator for the Global TB Caucus
- Co-Chair for the TB and Migration Working Group for the IUATLD

Ed Zuroweste (Founding Medical Dir. MCN)

- MCN's representative STOPTB USA Board of Directors since inception 1992. Chair 2004-2006 (Sundari Mase Chair; 2 years of work in TB in India)
- WHO Special Medical Consultant (2009 H1N1; 2014 Ebola)
- Clinical Consultant HRSA with work in all US Pacific Island Territories
- Over 20 years of Health Developmental Work in Honduras (TBNet's highest country of incidence)

MCN Health Network











- An innovative approach for over 25 years (1996-2021)
- Over 15,100 total HN enrollments
- Current % Enrollments (2018-2021)
 - 33% General Health TB
 - 27.8% Prenatal
 - 16.7% Infant Program
 - 12.9% TBNet
 - 3.7% Diabetes
 - 2.7% Covid Vaccine
 - 2.0% Cancer screening (Breast/colon/cervical)
 - 1.0% HIV
- Over 3,000 total clinics in U.S. and over 114 countries

Health Network IMPACT

- Bridge between patients and their providers
- Fewer patients lost to follow up
- Higher % of patients completing treatment
- Treatment completion reports
- Improved patient participation



Contact Us

- Health Network telephone:
 800-825-8205 (U.S.)
- 01-800-681-9508 (from Mexico)
- Health Network fax: 512-327-6140
- MCN website: http://www.migrantclinician.org/
- If you have additional questions about the program, you may also contact:

Theressa Lyons-Clampitt: 512-579-4511 or tlyons@migrantclinician.org

Post Evaluation

Please take a few minutes of your time to complete the evaluation. The evaluations help us guide our presentations so others can also benefit from the information. Thank you!

https://mcn.iad1.qualtrics.com/jfe/form/ SV_4UUErlU8X0HVp42

