



**UMBAST**  
US-MEXICO BORDER AETC  
(AIDS EDUCATION & TRAINING CENTERS) STEERING TEAM

## Continuity of Care for HIV-Infected Mexican Migrants Returning to Mexico: Part I

U.S.-Mexico Border AETC Steering Team




---

---

---

---

---

---

---


---

---

---

---

---



### Who is here...why?

Yolanda Cavalier, MPH, Moderator  
Mona Bernstein, MPH

- Why did you choose this workshop?
- What is your role at your agency?
- Do you work on border, with migrants, or have other motivations?
- What do you want to leave with today?
- Agenda for next 90 minutes

2

---

---

---

---

---

---

---


---

---

---

---

---



### What Is UMBAST?

Lucy Bradley-Springer, PhD

- Definitions
- Goals
- Collaborations
- Future Plans
- Resources (training, **website**, tools)
- Other

3

---

---

---

---

---

---

---

---

---

---

---

---

**Who Is UMBAST?**

- **U.S.-**
- **Mexico**
- **Border**
- **AETC**
- **Steering**
- **Team**

- Promote high-quality, culturally sensitive education & capacity building programs
- Provide focused collaboration through joint planning, resource sharing, & evaluation

4

---

---

---

---

---

---

---

---

**Who Is UMBAST?**

- **UMBAST** includes members from 3 AETCs that serve border region:
  - Mountain Plains AETC (New Mexico)
  - Pacific AETC (Arizona & California)
  - Texas/Oklahoma AETC (Texas)
- In collaboration with AETC National Resource & Evaluation Centers, HRSA representatives, & others with an interest in HIV and the border

5

---

---

---

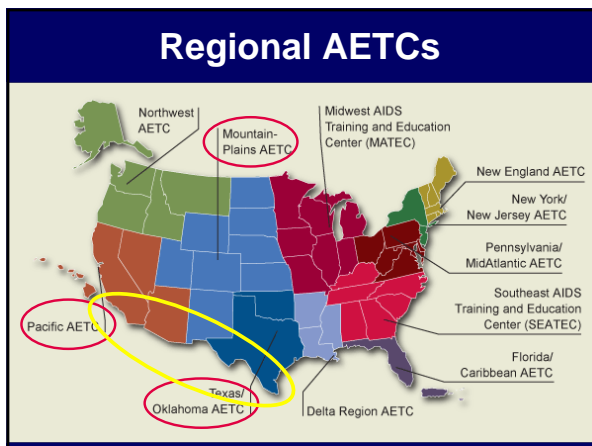
---

---

---

---

---




---

---

---

---

---

---

---

---

**Border Resource Directory**  
<http://www.AETCBorderHealth.org>

7

---

---

---

---

---

---

---

---

---

---

**Border Region Services**  
<http://www.AETCBorderHealth.org>

- Clinician training
- HIV treatment facilities
- HIV prevention and service organizations

9

---

---

---

---

---

---

---

---

---

---

**Border Region Overviews**  
<http://www.AETCBorderHealth.org>

▪ Epidemiologic overviews about HIV/AIDS in the border counties

9

---

---

---

---

---

---

---

---

---

---

**Search "Mexico border AIDS"**

The screenshot shows a Google search for "mexico border aids". The results include:

- US-Mexico Border HIV/AIDS Resource Directory**: The US-Mexico Border AETC Steering Team (UMBAST) has compiled this Border Resource Directory to better connect HIV/AIDS resources with community needs along ...
- US-Mexico Border AETC Steering Team (UMBAST)**: Contact and program information for the AETC's US-Mexico Border AETC Steering Team (UMBAST)
- ARGIS-15IAC: The US-Mexico border AIDS Education and Training ...**
- ISSUES: The US-Mexico border is the most traversed border between any two nations on the planet. This session will review a Health Resources and Services ...**
- The US-Mexico border AIDS Education and Training Center (AETC) ...**: Lessons Learned. Data indicate there are unique HIV/AIDS-related training needs that should be addressed in US countries sharing the border with Mexico ...

---

---

---

---

---

---

---

---

---

---

---

---

**UMBAST**  
US-MEXICO BORDER AETC (AIDS EDUCATION & TRAINING CENTERS) STEERING TEAM

**Crossing the Border: Continuity of Care for HIV-Infected Patients Returning to Mexico**  
Tom Donohoe, MBA

a program of the  
**U.S.-Mexico Border AETC Steering Team**

---

---

---

---

---

---

---

---

---

---

---

---

**Acknowledgments**

- Mountain Plains AETC
- Pacific AETC
- Texas/Oklahoma AETC
- AETC National Evaluation Center (NEC)
- AETC National Resource Center (NRC)
- HRSA HIV/AIDS Bureau
- The entire UMBAST Team

---

---

---

---

---

---

---


---

---

---

---

---



AUTHORS	ACKNOWLEDGMENTS
<ul style="list-style-type: none"> <li>▪ Laura Armas, MD (Texas/Oklahoma AETC)</li> <li>▪ Lucy Bradley-Springer, PhD, RN, ACRN, FAAN (Mountain Plains AETC)</li> <li>▪ John Brown, MA, LMHC (New Mexico AETC)</li> <li>▪ Mona Bernstein, MPH (Pacific AETC)</li> <li>▪ Tom Donohoe, MBA (Pacific AETC)</li> <li>▪ Oscar Gonzalez, MA (Texas/Oklahoma AETC)</li> <li>▪ Nicolé Mandel, BA (NRC)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Kevin Khamarko, MA (NEC)</li> <li>▪ Janet Myers, PhD, MPH (NEC)</li> <li>▪ Henry Pacheco, MD (Texas/Oklahoma AETC)</li> <li>▪ Michael Reyes, MD, MPH (Pacific AETC)</li> <li>▪ Elaine Thomas, MD (New Mexico AETC)</li> </ul> <p><b>HRSA/HAB:</b></p> <ul style="list-style-type: none"> <li>▪ Yolanda Cavalier, MPH</li> <li>▪ Capt. Wendell Wainwright</li> <li>▪ Lynn Wegman, MPA</li> </ul>

13

---

---

---

---

---


---

---

---

---

---



## Objectives

*At the conclusion of this session, participants will be able to:*

- Discuss the HIV epidemic along the U.S.-Mexico border
- Briefly review health care delivery systems in Mexico, including those for HIV services
- Facilitate continuity of care for HIV-infected patients returning to Mexico

14

---

---

---

---

---


---

---

---

---

---



## Discussion Questions

- Are antiretroviral medications available to Mexican citizens in Mexico?
- Does Mexico have universal health care?
- Does Mexico have a federally funded anti-homophobia campaign (radio, TV)?
- What is the most frequently crossed border on the planet?

15

---

---

---

---

---


---

---

---

---

---



**Recommendations for HIV Patients Returning to Mexico**

- **Necessary:**
  - ✓ **Positive HIV antibody test result**  
(confirmed with Western Blot)
  - ✓ **Patient's CURP number**  
("Clave Única de Registro de Población")

[www.gobernacion.gob.mx/CurpPS\\_HTML/jsp/CurpTDP.html](http://www.gobernacion.gob.mx/CurpPS_HTML/jsp/CurpTDP.html)

16

---

---

---


---

---

---

---

---



**Recommendations for HIV Patients Returning to Mexico**

- **Recommended:**
  - ✓ 3-month supply of current HIV medications
  - ✓ Recent CD4+ T cell count  
(not free in all Mexican states)
  - ✓ Recent viral load test result  
(not free in all Mexican states)
  - ✓ Copy of patient's chart including complete ART history

17

---

---

---


---

---

---

---

---



**Overview of the Epidemiology of HIV Infection in Mexico**

18

---

---

---

---

---

---

---

---

**HIV and AIDS in Mexico**

- Mexican population: 106,500,000
- Cumulative cases of HIV/AIDS at the end of 2005: 182,000

19

---

---

---

---

---

---

---

---

**HIV/AIDS Cumulative Cases along the U.S.-Mexico Border**  
(as of June 30, 2007)

Baja Cal Norte:	5,172
Sonora:	1,726
Chihuahua:	3,052
Coahuila:	1,466
Nuevo León:	3,118
Tamaulipas:	2,586
<b>TOTAL:</b>	<b>17,120</b>

20

---

---

---

---

---

---

---

---

**Cumulative AIDS Cases by Gender**

Men	83.5%
Women	16.5%

From: Update on HIV/AIDS in Mexico, June, 2007, Dr. Jorge Saavedra, General Director, National HIV/AIDS Program (Centro Nacional para Prevención y Control del VIH/SIDA CENSIDA). <http://www.salud.gob.mx/censida>  
Source cited in original slide: CENSIDA based in National AIDS Cases Registry.

21

---

---

---

---

---

---

---

---

**HIV/AIDS in Mexico**  
**Cumulative Cases, 1983- 2007**

<b>Male (91,734)</b>	<b>Female (18,127)</b>
▪ MSM: 36.5%	▪ Heterosexual: 59%
▪ Heterosexual: 25%	▪ IDU: 0.5%
▪ IDU: 0.7%	▪ Blood/Non IDU: 7%
▪ Blood/Non IDU: 1.5%	▪ Unknown: 33%
▪ Unknown: 36%	

From: National Center for Prevention and Control of HIV/AIDS, Operative Investigation Administration, Mexico Secretariat of Health, as of June 30, 2007.  
(Centro Nacional para la Prevención y el Control del VIH/SIDA Dirección de Investigación Operativa, Secretaría de Salud).  
SOURCE: Registro Nacional de Casos de SIDA. Última actualización: junio del 2007. Póster: SICE/SIDA/03/05/06

---

---

---

---

---

---

---

---

---

---

**Mexico's Adult HIV Prevalence**  
**in Regional Context**

▪ Mexico	0.3%
▪ United States	0.6%
▪ El Salvador	0.7%
▪ Guatemala	1.1%
▪ Honduras	1.8%
▪ Belize	2.4%

From: Update on HIV/AIDS in Mexico, June, 2007, Dr. Jorge Saavedra, General Director, National HIV/AIDS Program (Centro Nacional para Prevención y Control del VIH/SIDA CENSIDA).  
<http://www.salud.gob.mx/comunicacion>  
Source cited in original slide: UNAIDS, 2004 Report on the global AIDS epidemic, Geneva, 2004

---

---

---

---

---

---

---

---

---

---

**Blood Transmission of HIV & Government Response**

- 1987-1993: 1,839 cases
- 1993: Official testing norms implemented countrywide
- 1996: First year in which no cases of blood transmission reported
- 1999-2008: No new cases reported

From: Update on HIV/AIDS in Mexico, June, 2007, Dr. Jorge Saavedra, General Director, National HIV/AIDS Program (Centro Nacional para Prevención y Control del VIH/SIDA CENSIDA).  
<http://www.salud.gob.mx/comunicacion>  
Source cited in original slide: CENSIDA based in National AIDS Cases Registry.

---

---

---

---

---

---

---

---

---

---

## Pediatric HIV/AIDS: Cumulative Cases 1983-2007

<p><b>Male (1,478)</b></p> <ul style="list-style-type: none"> <li>▪ Perinatal: 55%</li> <li>▪ Blood: 12%</li> <li>▪ Sexual: 3%</li> <li>▪ Unknown: 29%</li> </ul>	<p><b>Female (1,242)</b></p> <ul style="list-style-type: none"> <li>▪ Perinatal: 66%</li> <li>▪ Blood: 4.5%</li> <li>▪ Sexual: 2%</li> <li>▪ Unknown: 27%</li> </ul>
---	--

From: National Center for Prevention and Control of HIV/AIDS, Operative Investigation Administration, Mexico Secretariat of Health, as of June 30, 2007.  
(Centro Nacional para la Prevención y el Control del VIH/SIDA Dirección de Investigación Operativa, Secretaría de Salud) <http://www.salud.gob.mx/consida>

---

---

---

---

---

---

---

---

---

---

---

---

## Perinatal HIV Transmission

Year	Percentage
1986	6
1987	22
1988	40
1989	40
1990	39
1991	50
1992	47
1993	64
1994	60
1995	47
1996	68
1997	75
1998	42
1999	57
2000	60
2001	50
2002	45
2003	25

From: Update on HIV/AIDS in Mexico, June, 2007, Dr. Jorge Saavedra, General Director, National HIV/AIDS Program (Centro Nacional para Prevención y Control del VIH/SIDA CENSIDA). <http://www.salud.gob.mx/consida>  
Source cited in original slide: CENSIDA based in National AIDS Cases Registry.

---

---

---

---

---

---

---

---

---

---

---

---

## Stigma and Discrimination

- *"I will not live in the same house with a person..."*
  - ...of a different race" = 40%
  - ...of a different religion" = 44%
  - ...with HIV/AIDS" = 57%
  - ...who is homosexual" = 66%

From: Update on HIV/AIDS in Mexico, June, 2007, Dr. Jorge Saavedra, General Director, National HIV/AIDS Program (Centro Nacional para Prevención y Control del VIH/SIDA CENSIDA). <http://www.salud.gob.mx/consida>  
Source cited in original slide: "Encuesta Nacional de Cultura Política y Prácticas Ciudadanas 2001". Revista Cambio, 17 de Agosto del 2002. (National Survey of Culture, Politics and Citizen Practices, 2001, Change Magazine, August 17, 2002).

---

---

---

---

---

---

---

---

---

---

---

---

**Condom Use in Mexican Heterosexual Migrant Men**

- Last commercial sex = 64.8%
- Last sexual intercourse with a non-regular/non-commercial sex partner = 50.9%
- Last 12 months all sexual partners = 2.1%

From: Update on HIV/AIDS in Mexico, June, 2007, Dr. Jorge Saavedra, General Director, National HIV/AIDS Program (Centro Nacional para Prevención y Control del VIH/SIDA CENVIDA). <http://www.sustul.acb.mexicoconsulde>  
Source cited in original slide: Second Generation HIV Surveillance (Mexico, 2007)

28

---

---

---

---

---

---

---

---

---

---

**HIV in the U.S.- Mexico Border Region**

29

---

---

---

---

---

---

---

---

---

---

**U.S.-Mexico Border**

30

---

---

---

---

---


---

---

---

---

---



## U.S. Border Characteristics

- 3 of the 10 poorest counties in the U.S.
- 21 counties designated as economically distressed areas
- Unemployment rate 250-300% higher than U.S. average
- 432,000 people live in 1200 colonias in TX & NM; unincorporated, semi-rural communities, often with unsafe water supplies and substandard housing

United States Mexico Border Health Commission, 2008 [http://www.borderhealth.org/border\\_region.php](http://www.borderhealth.org/border_region.php)

31

---

---

---


---

---

---

---

---



## U.S. Border Characteristics

- Higher incidence of infectious diseases compared with U.S. average
- If made a state, border would rank:
  - Last in access to health care
  - 2nd in death rates due to hepatitis
  - 3rd in deaths related to diabetes
  - Last in per capita income
  - 1st in number of school children living in poverty
  - 1st in number of uninsured children

32

---

---

---


---

---

---

---

---



## Immigration

- 43 points of entry on U.S. border
- Nearly 195M passenger vehicle crossings & 49M pedestrian crossings/year at 25 ports of entry
- Numbers do not include undocumented crossings
- Not all people who enter from the U.S.-Mexico border are Mexican, numbers include people from further south

University of Oklahoma Center for Applied Research, 2005. *HIV AIDS Along the US Mexico Border*

33

---

---

---

---

---

---

---

---



## Mexican Immigration

- People of Mexican origin make up 29.5% of all immigrants in the U.S.
- In 2005, 11 million Mexican immigrants were living in the U.S.
  - 66% located in the 4 border states
  - 70% are 18-44 years of age
  - 59% have no health coverage
  - 55% are undocumented

Conasida 2008: Manual para la prevención del VIH/SIDA en migrantes Mexicanos a Estados Unidos. [www.salud.gob.com.mx](http://www.salud.gob.com.mx)

---

---

---

---

---

---

---

---

---

---



## HIV along the U.S.-Mexico Border

- Prevalence difficult to assess due to different methodologies in surveillance reporting and transient populations.
- Border region is unique and rates cannot be extrapolated accurately from national statistics.

University of Oklahoma Center for Applied Research, 2005. *HIV/AIDS Along the US Mexico Border*

---

---

---

---

---

---

---

---

---

---



## Mexican Health Care Delivery Systems

---

---

---

---

---


---

---

---

---

---



### U.S. Health Care

- Guaranteed only for military, prison, and special programs for poor or elderly
- Most obtain coverage through an employer, but employers are not required to provide coverage
- Employees must often share plan costs
- >30 million without coverage often use ER or pay-for-service clinics

37

---

---

---

---

---

---

---

---



### U.S. HIV Health Care Funding

- Private insurance
- Public insurance
- **Ryan White HIV/AIDS Treatment Modernization Act of 2006**
- Clinical trials
- Compassionate release

38

---

---

---

---

---

---

---

---



### Mexico: Health as a Constitutional Right

- Mexican Constitution establishes the right of health care for all Mexican citizens
- Secretary of Health, appointed by the President, oversees Secretaria de Salud
- Secretaria de Salud charged with health surveillance, reporting, prevention, and management
- Constitution protects migrant populations, indigenous populations, children, youth, women, and agricultural laborers

39

---

---

---

---

---

---

---

---




---

---

---

---

---

---

---

---

**HIV Care: A Priority**

**CONASIDA:**  
 Policy-setting body  
 ▪ Consejo Nacional para la Prevención y Control del SIDA (National Council for the Prevention and Control of HIV/AIDS)

**CENSIDA:**  
 Funding, care, prevention, & education  
 ▪ Centro Nacional para la Prevención y el Control del VIH/SIDA (National Center for the Prevention and Control of HIV/AIDS)

41

---

---

---

---

---

---

---

---

**Seguro Popular**

▪ 2001: Secretaria de Salud instituted Seguro Popular insurance program to provide health care coverage to uninsured/underserved populations  
 ▪ 2005: 5.1 million families covered by Seguro Popular  
 ▪ 2007: Seguro Popular becomes law

42

---

---

---

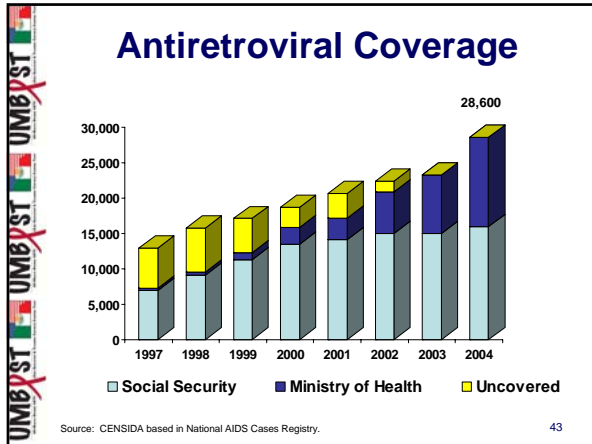
---

---

---

---

---




---

---

---

---

---

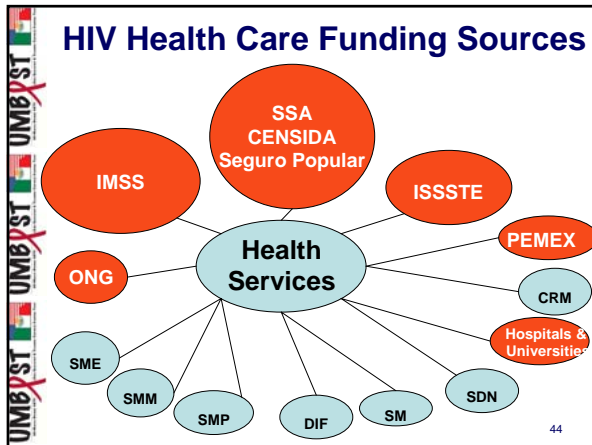
---

---

---

---

---




---

---

---

---

---

---

---

---

---

---

- ### Major HIV Care Sources
- Most public employees: **ISSSTE**  
(Instituto de Seguridad y Servicios Sociales de los Trabajadores del Estado)
  - Insured private sector employees: **IMSS**  
(Instituto Mexicano del Seguro Social)
  - Uninsured/Migrant: **SSA/CENSIDA**  
(Secretaría de Salud/Centro Nacional para la Prevención y el Control del VIH/SIDA)
    - Referred to CAPASITS Clinics
    - Insured under Seguro Popular

---

---

---

---

---

---

---

---

---

---

**CAPASITS**

- **C**entro *Outpatient*
- **A**mbulatorio de *Center for*
- **P**revención y *Prevention and*
- **A**tención en *Attention in*
- **S**IDA e *AIDS and*
- **I**nfecciones de *Sexually*
- **T**ransmisión *Transmitted*
- **S**exual *Infections*

46

---

---

---

---

---

---


---

---

---

---

**CAPASITS Locations**



From: National Center for Prevention and Control of HIV/AIDS, Operative Investigation Administration, Mexico  
 Secretariat of Health,  
 (Centro Nacional para la Prevención y el Control del VIH/SIDA Dirección de Investigación Operativa, Secretaría de Salud) <http://www.salud.gob.mx>

47

---

---

---

---

---

---

---

---

---

---

**CAPASITS**



Ciudad Victoria



Nayarit



La Paz



Mexicali



Veracruz



Zacatecas

From: National Center for Prevention and Control of HIV/AIDS, Operative Investigation Administration, Mexico  
 Secretariat of Health,  
 (Centro Nacional para la Prevención y el Control del VIH/SIDA Dirección de Investigación Operativa, Secretaría de Salud) <http://www.salud.gob.mx>

48

---

---

---

---

---


---

---

---

---

---



## Referral to CAPASITS

- Referral from a general medical clinic
- HIV diagnosis
- Antiretroviral history
- Basic labs
- Clinical summary

49

---

---

---


---

---

---

---

---



## Referral to Care

Once referred to a CAPASITS clinic, the patient will receive assistance to obtain coverage through Seguro Popular, and will need:

- Proof of address/residence
- Birth certificate
- CURP

50

---

---

---


---

---

---

---

---



## CAPASITS Services

<ul style="list-style-type: none"> <li>▪ General medical care</li> <li>▪ HIV care</li> <li>▪ ART treatment</li> <li>▪ Laboratory</li> <li>▪ Specialist referrals</li> <li>▪ Dental care</li> </ul>	<ul style="list-style-type: none"> <li>▪ Behavioral health services</li> <li>▪ Social work services</li> <li>▪ Adherence counseling</li> <li>▪ STD screening</li> <li>▪ Outreach</li> </ul>
--	---

51

---

---

---

---

---

---

---

---

**ARVs in Mexico:**  
full chart available at  
[www.aetcborderhealth.org/aidsetc?page=ab-01-10](http://www.aetcborderhealth.org/aidsetc?page=ab-01-10)

Antiretrovirals Available in the United States		Antirretrovirales Disponibles en México	
Generic	Brand Name	Genérico	Nombre Comercial
Nucleoside/Nucleotide Analogues (NRTIs)		Inhibidores de la Transcriptasa Reversa Análogos a Nucleósidos (ITRAN)	
Abacavir	Ziagen	Abacavir	Ziagenavir
Didanosine	Videx	Didanosina	Videx
Emtricitabine	Emtriva	Emtricitabina	Emtriva
Lamivudine	Epivir	Lamivudina	3TC
Stavudine	Zerit	Estavudina*	Zerit

52

---

---

---

---

---

---

---

---

---

---

**Recommendations for HIV Patients Returning to Mexico**

- **Necessary:**
  - ✓ **Positive HIV antibody test result**  
(confirmed with Western Blot)
  - ✓ **Patient's CURP number**  
("Clave Única de Registro de Población")

[www.gobernacion.gob.mx/CurpPS\\_HTML/jsp/CurpTDP.html](http://www.gobernacion.gob.mx/CurpPS_HTML/jsp/CurpTDP.html)

53

---

---

---

---

---

---

---

---

---

---

**Recommendations for HIV Patients Returning to Mexico**

- **Recommended:**
  - ✓ 3-month supply of current HIV medications
  - ✓ Recent CD4+ T cell count  
(not free in all Mexican states)
  - ✓ Recent viral load test result  
(not free in all Mexican states)
  - ✓ Copy of patient's chart including complete ART history

54

---

---

---

---

---

---

---

---

---

---

## So now what?

Mona Bernstein, MPH

- Q/A
- Feedback...we need your help
- Is this useful to your work?
- Next steps
- 2009 Training Exchange with NRC

---

---

---

---

---

---

---

---