DOES THE HISPANIC PARADOX IN MORTALITY EXTEND TO DISABILITY? A COMPARISON OF OLDER MEXICANS IN THE U.S. AND MEXICO

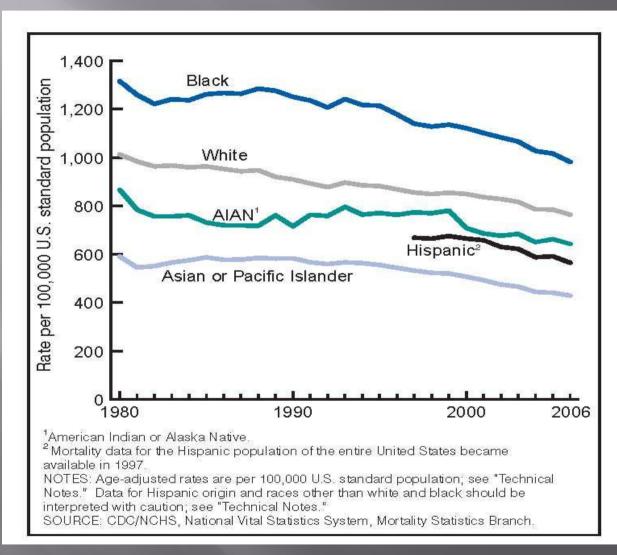
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REVES 2010- HAVANA, CUBA- MAY, 2010

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Age-Adjusted Death Rates by Race/Ethnicity: United States, 1980-2006



Source: Heron et al. (2009, Figure 2)

The debate surrounding the Hispanic paradox in adult mortality

- → Health selection processes
 - **→**Positive selection "healthy migrant"
 - **→**Negative selection "salmon bias"
- Negative acculturation processes
 - Adoption of social and behavioral characteristics indicative of minority status populations in the U.S.

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Our contributions to the debate (1)

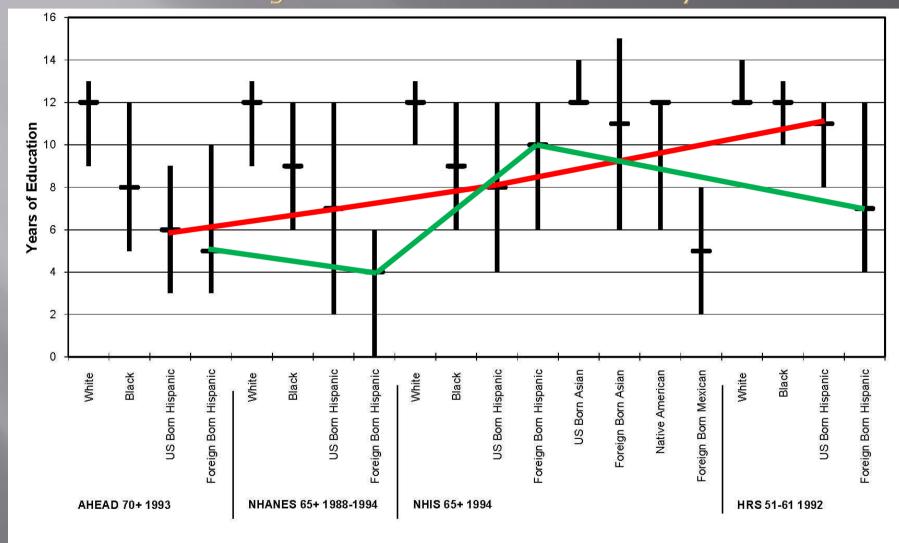
- Does the paradox extend to disability?
 - ➤ Positive health selection processes should extend to disability
- Do negative acculturation processes extend to disability?
 - ▼Negative Acculturation expected to produce higher rates of disability which then elevate mortality rates

Our contributions to the debate (2)

- → How does the health of Mexicans differ from foreign-born and native-born MAs?
 - + health selection explanations suggest that FB MexAms should be relatively advantaged
- ➤ Among Mexicans, is there evidence of positive health selection for international and domestic migration?
- Mexican disability reports as a means of "gauging "over reporting of poor health

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Median Years of Education by Race/Ethnicity with Interquartile Range from Selected Health Surveys



A review of race/ethnic differences in health (Crimmins, Hayward, Seeman 2004)

- Compared to NH whites, NB and FB Hisps generally have lower rates of
 - Cancer, CVD, and COPD
- NB and FB Hisps have higher rates of diabetes
- FB Hisps have higher rates of disability
- ▼ Unclear whether NB Hisps and NH whites differ in their rates of disability

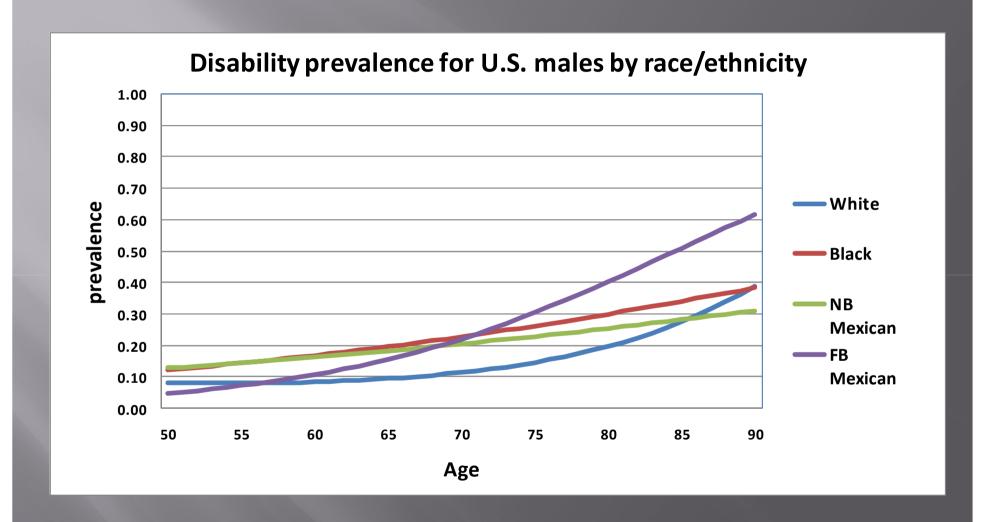
MSLT life table approach

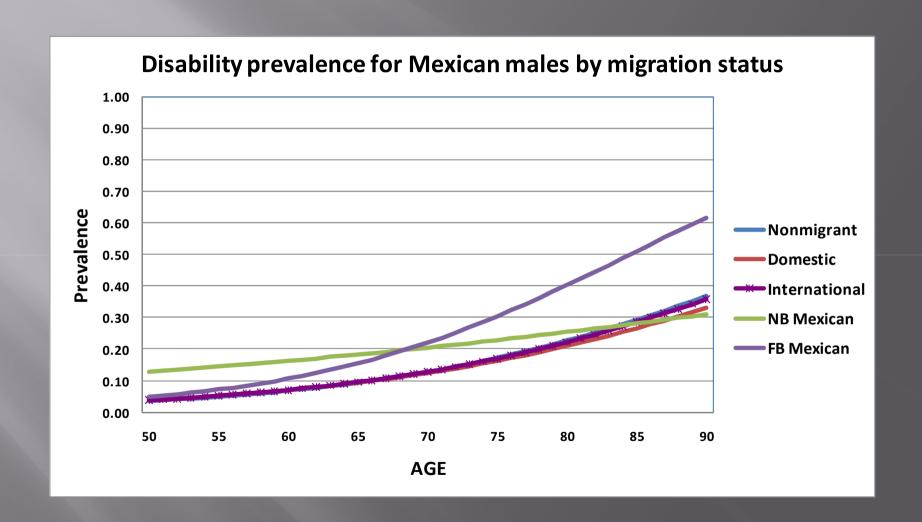
- MSLTs allow us to integrate mortality and disability information
- Explicit way of assessing whether paradox in mortality is accompanied by a paradox in disability
- MSLTs calculated using the prevalence-based approach because of sparse data concerns

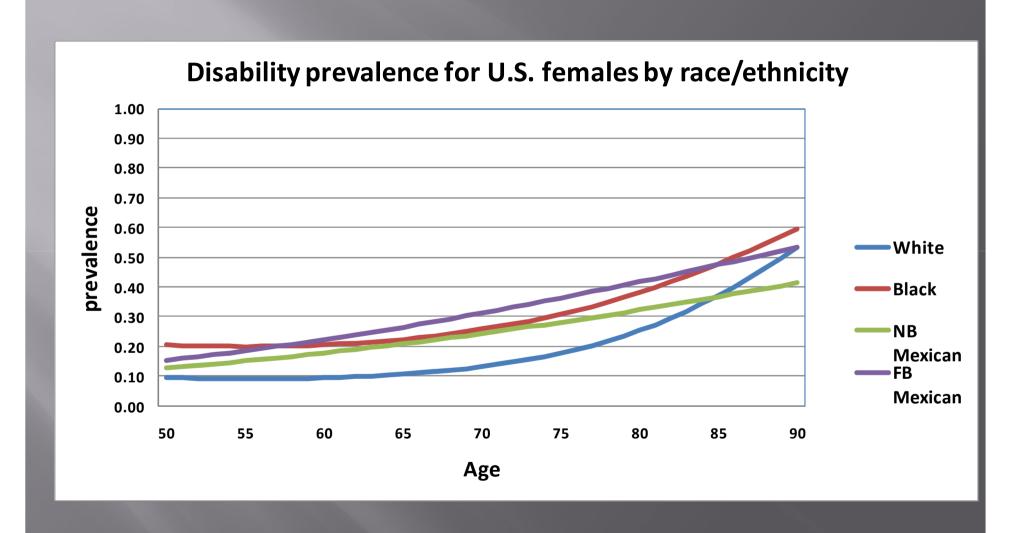
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Data sources and measures

- → Health and Retirement Study (1998-2006)
 - → Disability prevalence and mortality incidence for NH whites, blacks, FB MexAms, and NB MexAms
- Mexican Health and Aging Study (2001-2003)
 - → Disability prevalence for non-migrants, international migrants, and domestic migrants.
 - Preliminary mortality analysis based on MHAS
 - **→**MSLT mortality drawn from CONAPO
- → Disability defined using 5 comparable ADLs (dressing, walking, bathing, eating, and getting in/out of bed)
 - **→**Disabled having difficulty with 1+ ADLs







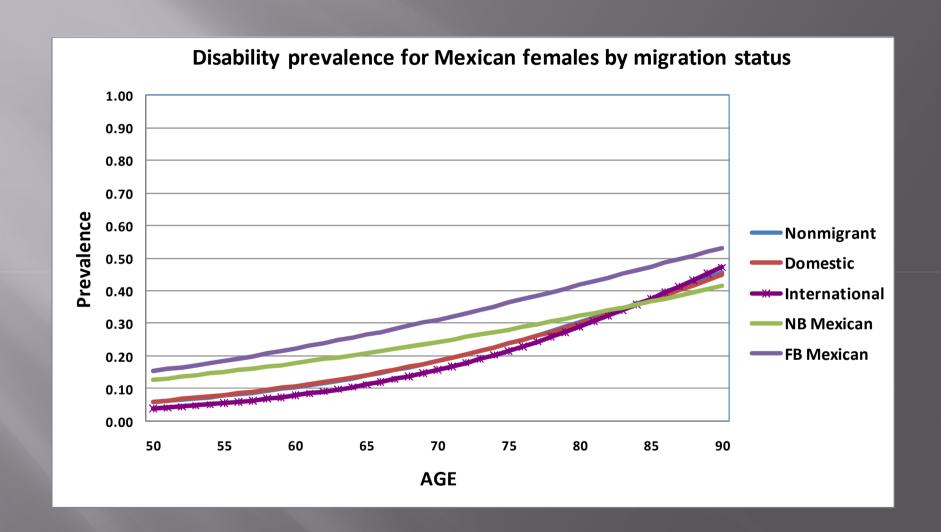


Table 2. Healthy Life Expectancies at Age 50 Comparing U.S. Race/Ethnic Groups with Mexican Migrant Groups by Sex

	Male				Female			
	TLE	DFLE	DLE	%dfle/tle	TLE	DFLE	DLE	%dfle/tle
White	29.5	25.7	3.8	87.0	33.8	27.7	6.1	82.1
Black	25.4	20.3	5.1	79.8	29.9	21.5	8.4	72.0
NB MxAm	25.5	20.8	4.7	81.5	32.3	24.5	7.8	75.9
FB MxAm	30.6	23.8	6.8	77.7	34.2	23.8	10.4	69.5
Mex (IM)	27.6	23.8	3.6	86.3	30.3	25.8	4.5	85.2
Mex (NM)	27.6	24.0	3.5	87.2	30.3	25.3	4.9	83.7
Mex (DM)	27.6	24.2	3.4	87.8	30.3	24.9	5.4	82.3

Conclusions (1)

- Paradox restricted to mortality
 - **→** No evidence of health selection for disability
 - FBs pay a health penalty in terms of disability burden
- ➤ Longer/shorter life accompanied by compressed/lengthy period of disability except for FB Mexican Americans
- Disability for FB Mexican Americans appears to have weaker ties to pathological conditions

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Conclusions (2)

- → What accounts for the low mortality and high disability of FB Mexican Americans?
 - Combination of migrating and staying in the U.S.
 - Heavy concentration in agricultural and construction jobs for the HRS cohorts
 - Lifestyle risk factors substantially less prevalent among FB Mexican Americans
- → Will paradox persist in the future?
 - Changes in the Mexican population are altering the characteristics of immigrants to the U.S.
 - Health selection processes a moving target