Diving into Disparity: Mental Health Diagnoses in the Latino Population of South Carolina

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Background

- ➤ Anxiety, phobia, major-depressive, substance abuse, and impulse control disorders are the most prevalent psychiatric disorders in America.⁷
- ➤ The National Latino and Asian American Study (NLAAS) showed overall prevalence of psychiatric disorders for Latino men to be 28.1% and for females 30.2%.1
- ➤ Factors affecting rates of psychiatric disorder include ethnicity, English language proficiency, age at immigration, generational status, years in the united states, and nativity status.¹
- ➤ Psychiatric disorders were more likely among third generation Latino men and women. ¹
- Latinos were more likely to reach inpatient care for mental disorders through emergency services, and significantly less-likely to self-refer.³

Goals

- ✓ Determine the prevalence of mental and behavioral disorders among Latinos in South Carolina.
- ✓ Identify payor trends across ethnic/racial groups in South Carolina.

Materials and Methods

- ➤ Data used from 2008 2014 Health and Demographics Section of the Revenue and Fiscal Affairs Office in Columbia, South Carolina
- ➤ Data set includes unidentified inpatient, outpatient, emergency department and other services diagnoses of International Classification of Diseases 9 (ICD-9) code 290 319 (mental and behavioral disorders) and payor source of ICD-9 records.
- > SAS 9.4 was used for data analysis.

Results

- Across all races, anxiety, dissociative and somatoform disorders, nondependent abuse of drugs, and depressive disorder, not elsewhere classified, were the top three contributors to mental health diagnoses.
- Latinos had over three times the diagnoses for acute reaction to stress compared to Whites and Blacks.
- ➤ Overall prevalence of psychiatric disorder diagnosis for Latino men in South Carolina is greater than their female counter parts
- Females had higher prevalence of Anxiety,
 Depression and other somatoform disorder
 diagnoses than their male counterparts across
 all races

Anxiety, Depression, and Substance Use Prevalence Across Ethnicities in South Carolina between 2008 and 2014

ICD-9 Diagnosis	Hispanic/ Latino	White	Black
	% of total diagnoses	% of total diagnoses	% of total diagnoses
Anxiety, dissociative and somatoform disorders	13.81	17.15	9.96
Nondependent abuse of drugs	51.60	44.47	54.99
Depressive disorder, not elsewhere classified	10.40	12.91	8.38

- Workers compensation was the primary payor for Latinos nearly 3 times as often as Blacks and twice as often as Whites
- Across all races females are more likely to have Medicaid or Medicare as their primary payor than their male counterparts
- Latino males are nearly twice as likely to have Primary Payor be Self-Pay than their female counterparts

Primary Payor for ICD-9 Diagnoses in Columbia SC between 2008 and 2014

Columbia 30 between 2000 and 2014				
Payor Method	Hispanic/ Latino	White	Black	
	%	%	%	
Self-Pay	41.13	21.93	27.91	
Medicare	11.87	29.29	24.87	
Medicaid	19.41	13.81	19.90	
Commercial Insurance	14.79	21.41	16.28	
Worker's Comp.	1.16	.63	.39	

Discussion

- ➤ Consistent with national trends, anxiety, depression, and substance use disorders are some of the most prevalent mental health disorders in South Carolina.⁶
- ➤ Diagnoses to population ratio for Latinos: ~1:5; for Whites: ~1:1; for Blacks: ~1:1.⁷
- ➤ Lower prevalence may be due to environmental influence vulnerability, stress due to cultural transitions, attitudes towards mental health services, and country of origin.¹
- ➤ Cost, lack-of insurance, and low level of English language proficiency negatively affect service utilization.^{2, 5}
- Limitations to this study include only having access to diagnoses numbers and inability to sort diagnoses by age of patient

Conclusion/Recommendation

- ➤ In South Carolina, men are more likely to receive diagnoses related to substance use/abuse
- Diagnostic disparities among minority groups are prevalent – namely lower ratio of diagnoses to population
- Determine age at diagnosis to narrow priority population
- ➤ Investigate into quality of mental health care services for Latinos in South Carolina
- Collect individual attitudes among Latinos to better understand diagnoses and service disparities

References and Acknowledgements

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