

# Quick Review of Model System Research

### Racial and Ethnic Differences in Obesity in People With Spinal Cord Injury: The Effects of Disadvantaged Neighborhood1

### What is the study about?

The aim of this study was to examine what role neighborhoods, race, and ethnicity play in obesity rates for individuals with spinal cord injury (SCI).

### What did the study find?

The study found Hispanics had the highest obesity rate than other racial groups. Non-Hispanic blacks and Hispanics tend to reside in neighborhoods with high rates of poverty, unemployment, and low socio-economic status, as determined by the Concentrated Disadvantaged Index. Regardless of race and ethnicity, individuals with SCI from disadvantaged neighborhoods were more likely to be obese.

### Who participated in the study?

Individuals with SCI (n=3385; 2251 non-Hispanic whites, 760 non-Hispanic blacks, 374 Hispanics) who completed a follow-up assessment during 2006-2017.

### How was the study conducted?

This study used a cross-sectional analysis of survey data from the National SCI database linked with neighborhood information from American Community Survey.

### [How can people use the results?](file:///C%3A%5CUsers%5Cccai%5CAppData%5CLocal%5CMicrosoft%5CWindows%5CTemporary%20Internet%20Files%5CContent.Outlook%5C4WHR71C4%5CBogner_CER-1403-13476_DFRR_Professional%20and%20Public%20Abstract_SME%20Review_102918%20ccai.docx#Note)

Practitioners, individuals with SCIs, and their families can use the results of this study to better understand how disadvantaged neighborhood characteristics contribute to obesity in individuals with SCI.

### [Reference](file:///C%3A%5C%5CUsers%5C%5Cccai%5C%5CAppData%5C%5CLocal%5C%5CMicrosoft%5C%5CWindows%5C%5CTemporary%20Internet%20Files%5C%5CContent.Outlook%5C%5C4WHR71C4%5C%5CBogner_CER-1403-13476_DFRR_Professional%20and%20Public%20Abstract_SME%20Review_102918%20ccai.docx%22%20%5Cl%20%22Note%22%20%5Co%20%22Describe%20who%20could%20use%20the%20results%20and%20how.%20Could%20be%20patient%2C%20doctor%2C%20administration%2C%20centers.%20Should%20make%20sense%20given%20findings%20and%20study%20design.%20Do%20not%20overreach.)

### 1Wen, H., Botticello, A. L., Bae, S., Heinemann, A. W., Boninger, M., Houlihan, B. V., & Chen, Y. (2019). Racial and Ethnic Differences in Obesity in People With Spinal Cord Injury: The Effects of Disadvantaged Neighborhood. *Archives of Physical Medicine and Rehabilitation*, *100*(9), 1599–1606. doi: 10.1016/j.apmr.2019.02.008

### Disclaimer

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