# Modifiable Risk Factors Associated with Hypertension in Women 50 Years and Older: Results from the 2005 Los Angeles County 

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## Study Goals

To assess the burden of hypertension among Ider women in Los Angeles County,

- To examine the association between sociodemographic and lifestyle factors and hypertension in our local population.


## Methods

-We analyzed data from the Los Angeles County Health Survey, which is a periodic, population-based, random-digit-dialed elephone survey that collects self-reported information on sociodemographic haracteristics, health status, health behaviors, and access to health services among adults and children in the county.

Survey respondents included 1,811 women 50 years or older representing 1,341,000 women in the county

Multivariate logistic regression was used to determine the association between sociodemographic and lifestyle factors and hypertension

## Key Findings and Implication

Forty-six percent or an estimated 621,000 women reported being liagnosed with hypertension.

As age increased, the odds of having hypertension significantly increased ( $p<0.001$ for trend test). In other population samples (NHANES ${ }^{1}$, WH $^{2}$ ), the age-related increase in the prevalence of hypertension has been observed as well

Racial/ ethnic disparities in the prevalence of hypertension remain a challenge in Los Angeles County. The odds of having hypertension were highest among African-Americans and lowest among Asians/ Pacific slanders.

As education and household incomes increase, the odds of having hypertension decrease ( $\mathbf{~ < ~} 0.001$ for age-adjusted trend test). Higher socioeconomic status may imply several factors, including awareness of healthy lifestyle.
besity is a modifiable risk factor of hypertension. Weight reduction is an important step in managing and preventing hypertension.
revious studies have shown that regular aerobic exercise can reduce lood pressure ${ }^{3}$. Also, people who are physically active tend to pursue a healthy lifestyle in general, and in doing so reap health benefits.

Consistent with the findings from WHi², the protective effect of alcohol onsumption against hypertension was also observed among "moderate consumption and hypertension is not well defined.
 Race/ Ethnicity Population Ch

Education
Education


Multivariate Logistic Regression Model* for Hypertension Among Women 50 Years and Older



Smoking
In our population, we did not observe a harmful effect of smoking on the odds of hypertension (OR=0.95: 95\%CI: 0.68-1.31)
Nutrition
We did not observe a protective effect of consuming five or more servings of fruits and vegetables daily on the odds of having hypertension (OR=1.1: 95\%CI: 0.85-1.41).

Conclusions
In Los Angeles County, hypertension remains a public health challenge. Disparities in hypertension prevalence due to race and socioeconomic status emphasize the necessity of increasing awareness o the disease, including its prevention and management Fortunately, many risk factors for hypertension such as obesity, physical activity, alcohol consumption, smoking and dietary habits can be modified by adopting a healthy lifestyle.

PHYSICAL ACTIVITY
ALCOHOL CONSUMPTION



+60 or more e alconolic dinins in the pesat monh

household federal poverty levels

