
"You can be anything you want to be-no limits."

## UCDAVIS SCHOOL OF <br> HEALTH MEDICINE

Cardiac Risk Reduction Clinic
Cardiac Rehabilitation Program

# Road Map to Health: Lifestyle Modifications for the Reversal of Hypertension and Diabetes 

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PreventionForward


| HEALTH <br> Cardiac Ris | SCHOOL OF MEDICINE <br> Reduction Clinic <br> Blood Pressur |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | BLOOD PRESSURE CATEGORY | SYSTOLIC mm Hg (upper number) |  | DIASTOLIC mm Hg (lower number) |
|  | NORMAL | LESS THAN 120 | and | LESS THAN 80 |
|  | ELEVATED | 120-129 | and | LESS THAN 80 |
|  | HIGH BLOOD PRESSURE (HYPERTENSION) STAGE 1 | 130-139 | or | 80-89 |
|  | HICH BLOOD PRESSURE (HYPERTENSION) STAGE 2 | 140 OR HIGHER | or | 90 OR HIGHER |
|  | HYPERTENSIVE CRISIS (consult your doctor immediately) | HIGHER THAN 180 | and/or | HICHER THAN 120 |
| - OAmerican Heart Association |  |  | heart.org/bplevels |  |




## Today's Objectives

- How are we doing with Hypertension Management?
- How does HTN and COVID-19 are related?




## COVID-19 ASSOCIATED HOSPITALIZATION RELATED TO UNDERLYING MEDICAL CONDITIONS



## COVID-19 and Co-morbidities



Prepared by Eliseo Vazquez, BS and Javier E. López, MD, MAS; data source SlicerDicer

Research

JAMA | Original Investigation
Trends in Blood Pressure Control Among US Adults With Hypertension, 1999-2000 to 2017-2018

Paul Muntner, PhD; Shakia T. Hardy, PhD; Lawrence J. Fine, MD; Byron C. Jaeger, PhD; Gregory Wozniak, PhD;
Emily B. Levitan, ScD; Lisandro D. Colantonio, MD, PhD

IMPORTANCE Controlling blood pressure (BP) reduces the risk for cardiovascular disease.
$\leftarrow$ Editorial pages 1166 and 1163
$\leftarrow$ Related article page 1208

+ Supplemental content
CME Quiz at
jamacmelookup.com

DESIGN, SETTING, AND PARTICIPANTS Serial cross-sectional analysis of National Health and Nutrition Examination Survey data, weighted to be representative of US adults, between 1999-2000 and 2017-2018 (10 cycles), including 18262 US adults aged 18 years or older with hypertension defined as systolic BP level of 140 mm Hg or higher, diastolic BP level of 90 mm Hg or higher, or use of antihypertensive medication. The date of final data collection was 2018.

- 51761 participants included in this analysis
- 18262 adults with hypertension


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| HEALTH | MEDICINE | <br> Cardiac Risk Reduction Clinic <br> Findings- Controlled BP was...}

- More likely- 45-64 years vs younger (49.7\%vs 36.7\%)
- Less likely >75 years ( $37.3 \%$ vs $36.7 \%$ )
- Less likely Black vs. White adults (41.5\%vs 48.2\%)


## HEALTH MEDICINE <br> Cardiac Risk Reduction Clinic <br> Findings- Controlled BP was...

- More likely among those with private insurance (48.2\%), Medicare (53.4\%), or government health insurance other than Medicare or Medicaid (43.2\%)
- Less likely among those without health insurance (24.2\%)
- More likely among those with vs those without usual health care (48.4\% vs 26.5\%)
- More likely among those who had vs those who had not had a health care visit in the past year ( $49.1 \%$ vs $8.0 \%$ )


