## **Heart Failure-Related Mortality Rates**



Declines in heart failure mortality that occurred from 1999 to 2012\*

\*Decline in

in the US

age-adjusted

mortality rate

HF was a contributing cause in 425,147 deaths in the US in 2021

have been undone by increases from

2012 to 2023

Mortality rates have been increasing since 2012

in heart failure over the last decade In 2021, HF was a contributing cause of 425,147 deaths:

despite advances in guideline-directed therapies

of the 941,652 total **CV** deaths

of the 3,279,857 total all-cause deaths

Potential reasons for the increase in mortality rates: ■ Lack of access to care by vulnerable populations

## ■ Gaps in implementation of GDMTs and device therapies Increases in risk factors for HF such as obesity, diabetes, hypertension,

- and chronic kidney disease
- Improved survival of patients with ischemic heart disease and myocardial
- infarction which may result in myocardial dysfunction ■ Increased exposure to cardiotoxic agent, environmental pollution
- Increased awareness of HF possibly leading to increases in attribution of death to HF on death certificates **■** Changes in administrative coding

been a more pronounced relative annual increase in HF-related mortality rates observed among young adults. The greater rise in mortality rates among younger adults signifies a shift in

121.9

Non-Hispanic

**Native** 

Hawaiian or

other Pacific

**Islanders** 

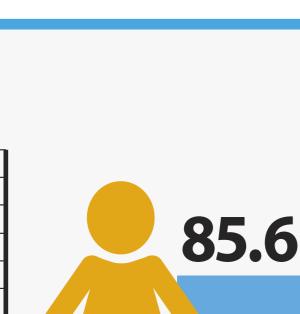
27.8

(22.3-33.4)

the epidemiological landscape of HF.

Although HF-related mortality rates remain higher in older adults

(65-84 years) compared to younger adults (35-64 years), there has



Non-Hispanic

American

**Indian** or

**Alaska Native** 

19.7

(17.5-22.0)

2023

have a lower **AAMR** related to **HF** compared with males

Non-hispanic Black patients have consistently had the highest HF mortality rate Non-Hispanic

Hispanic

20.9

(20.3-21.5)

More than

one race

11.6

(10.2-12.9)

Age-adjusted mortality rate per

or contributing cause, 2022

Non-Hispanic

White

34.8

(34.6-35.1)

Black or

African

American

41.1

(40.3-41.9)

100,000 persons with HF as an underlying

Overall, females

## **Females** Males Heart failure mortality rates vary by racial and ethnic groups in the US

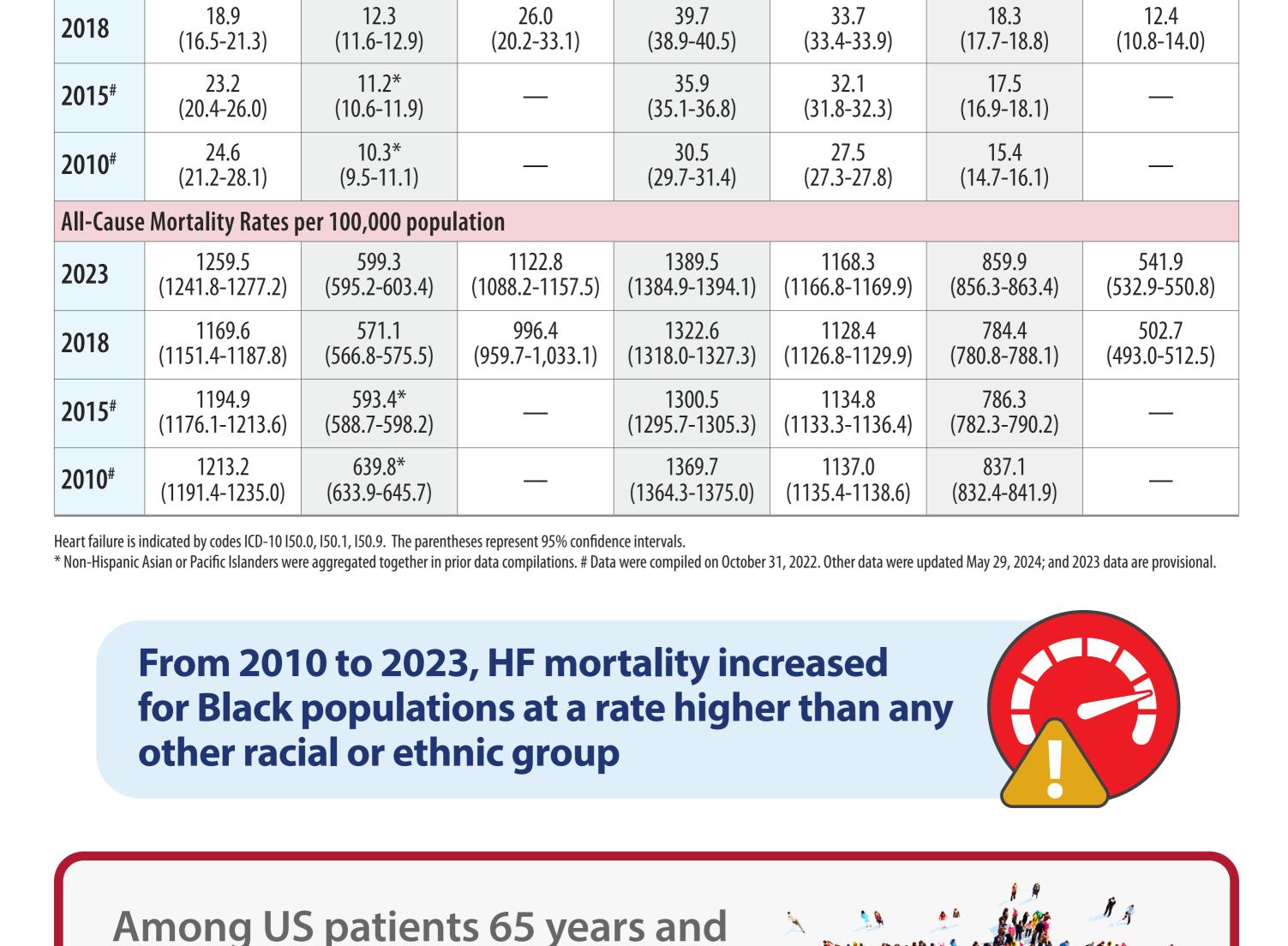
Non-Hispanic

Asian

Heart Failure Age-Adjusted Mortality Rates per 100,000 population

13.3

(12.7-13.9)



estimated at 35%

Age Adjusted Mortality Rate, per 100,000

130

110 -

100

80

1999

2001

2003

2005

2007

2009

Rural

2011

Year

2013

2015

Urban

2017

2019

2021

older hospitalized for HF, the

mortality rate is

1-year post-discharge

There is significant geographic variation

Age-Adjusted Average Annual Rates per 100,000

Insufficient

data

6.1- 179.0- 205.9- 229.5- 258.9-

178.9 205.8 229.4 258.8 563.0

From 2011 to 2018

rural areas experienced

a notably greater

percentage increase in

**HF** and cardiovascular

mortality rates compared

to urban areas.

2020, stratified according to urban vs rural locations **Urbanization Stratified** 

AAMRs related to HF per 100,000 between 1999 and

## across the US in HF death rates **HF Death Rates in Adults Aged ≥35 Years by County, 2018 to 2020**

are located primarily in Mississippi, Louisiana, Arkansas, Oklahoma, Texas, Kentucky, Tennessee, Indiana, Illinois, and Wisconsin.

Concentrations of counties with the highest heart disease death rates



with a OSS Of of median survival for adults 65-85 years of age compared with the general US population

HF is associated

All information, including graphics, tables, and text in this infographic are from the report published in the Journal of Cardiac Failure, and should be referenced as follows: J Card Fail. 2025; 31 P66-116

