

## ASIAN AMERICAN & PACIFIC ISLANDERS

- More than 24 million individuals of Asian descent are currently living in the US<sup>1</sup>
- The Asian American population has increased significantly over the last decade<sup>1</sup>



## Prevalence Of CKD & Comorbidities In Asian American & Pacific Islanders

**Diabetes Incidence**

Incidence of diabetes in Hawaii and California is **higher** for Asian Americans when compared to white patients<sup>2</sup>

**Diabetes & Kidney Failure**

Diabetes is the **#1 cause** of kidney failure<sup>2</sup>

**Rates Of Kidney Failure**

Rates of kidney failure secondary to diabetes among Asian Americans ages 30-39 **doubled** between 2000-2010<sup>3</sup>

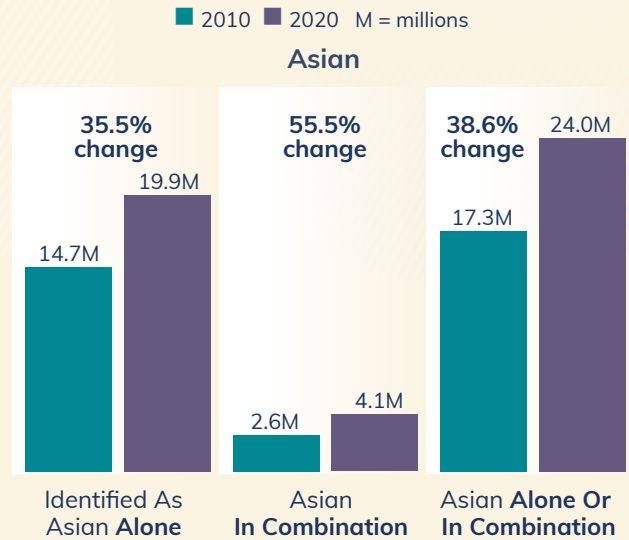
**Health Care Access**

**17%** of Asian American and Pacific Islanders are **uninsured**, limiting detection of hypertension and diabetes, and possibly contributing to the risk of developing kidney disease<sup>2</sup>

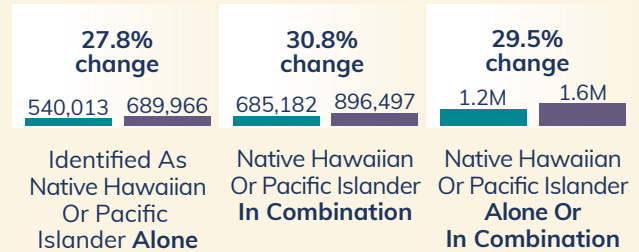
**Kidney Disease-Related Mortality**

Kidney disease related mortality is **higher** for individuals of Asian descent compared to white patients<sup>4</sup>

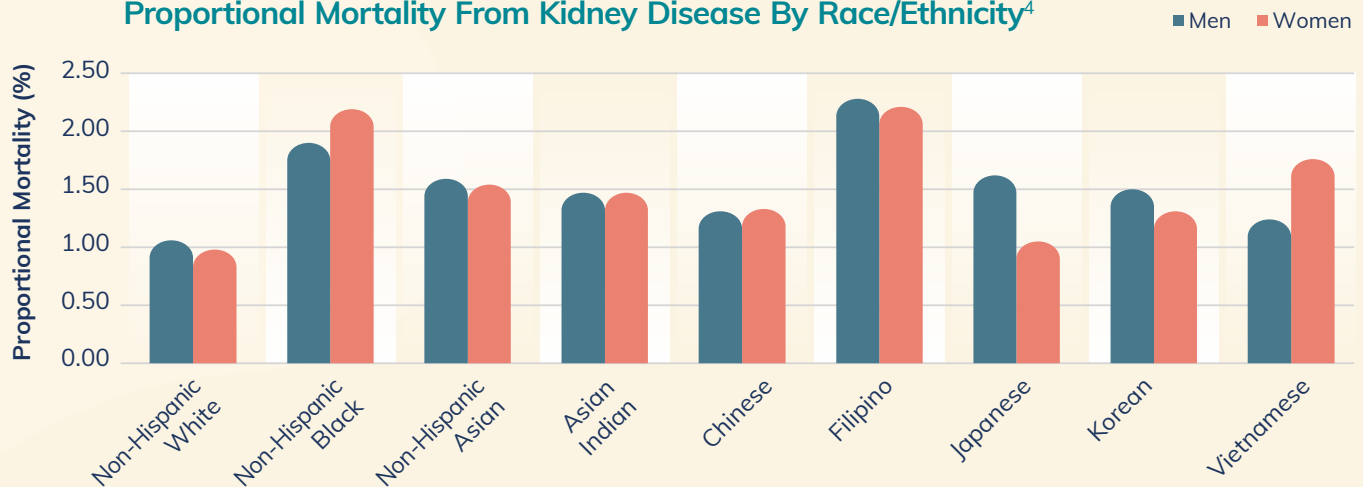
## Population & Percent Change In US, 2010–2020<sup>1</sup>



## Native Hawaiian & Other Pacific Islander



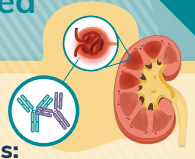
## Proportional Mortality From Kidney Disease By Race/Ethnicity<sup>4</sup>



### Resources:

1. Asian American and Pacific Islander Heritage month: May 2022. Census.gov. <https://www.census.gov/newsroom/facts-for-features/2022/asian-american-pacific-islander.html>. Published April 25, 2023. Accessed November 29, 2023.
2. Race/ethnicity – kidney disease risk factors. American Kidney Fund. <https://www.kidneyfund.org/all-about-kidneys/risk-factors/raceethnicity-kidney-disease-risk-factors> Updated August 7, 2023. Accessed November 28, 2023.
3. Race, ethnicity, & kidney disease. National Kidney Foundation. <https://www.kidney.org/atoz/content/minorities-KD> Published January 13, 2023. Accessed November 28, 2023.
4. Claudel SE, et al. Kidney Medicine. 2023;5(8):100676.
5. Lai KN, et al. Nat Rev Dis Primers. 2016;11(2):16001.
6. Suzuki Y, et al. Kidney360. 2021;2(8):1339-1348.
7. Yeo SC, et al. Nephrology. 2019;24(9):885-895.
8. Barbour SJ, et al. Kidney International. 2013;84(5):1017-1024.
9. Purnell TS, et al. JAMA. 2018;319(1):49-61.

The information provided through NephU is intended for the educational benefit of health care professionals and others who support care for those with kidney disease and other related conditions. It is not intended as, nor is it a substitute for, medical care, advice, or professional diagnosis. Health care professionals should use their independent judgment when reviewing NephU's educational resources. Users seeking medical advice should consult with a health care professional.



### IgA Nephropathy (IgAN) In Patients Of Asian Descent

- Highest IgAN Prevalence**

The highest prevalence of IgAN is seen in individuals of **East Asian** descent<sup>6</sup>
- Screenings & Biopsies**

Prevalence could be partially attributed to **increased urine screening and renal biopsies** in East Asia<sup>6</sup>
- Varying Characteristics**

Clinical symptoms, disease progression, and long-term outcomes may **vary by ethnicity**<sup>7</sup>
- Progression To Kidney Failure**

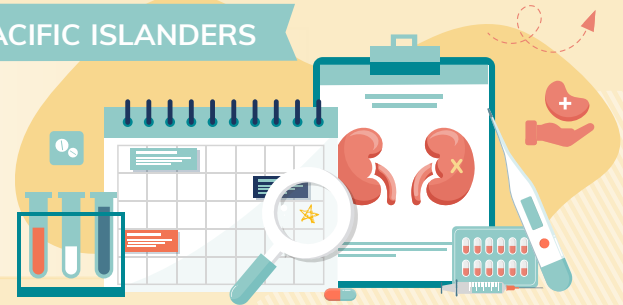
Patients with **IgAN and Pacific Asian** ancestry are at higher risk of progression to kidney failure compared to those from other parts of the globe<sup>8</sup>

### Incidence Of Biopsy-Proven Glomerulonephritis: Higher in China and Singapore than other parts of the world<sup>5</sup>

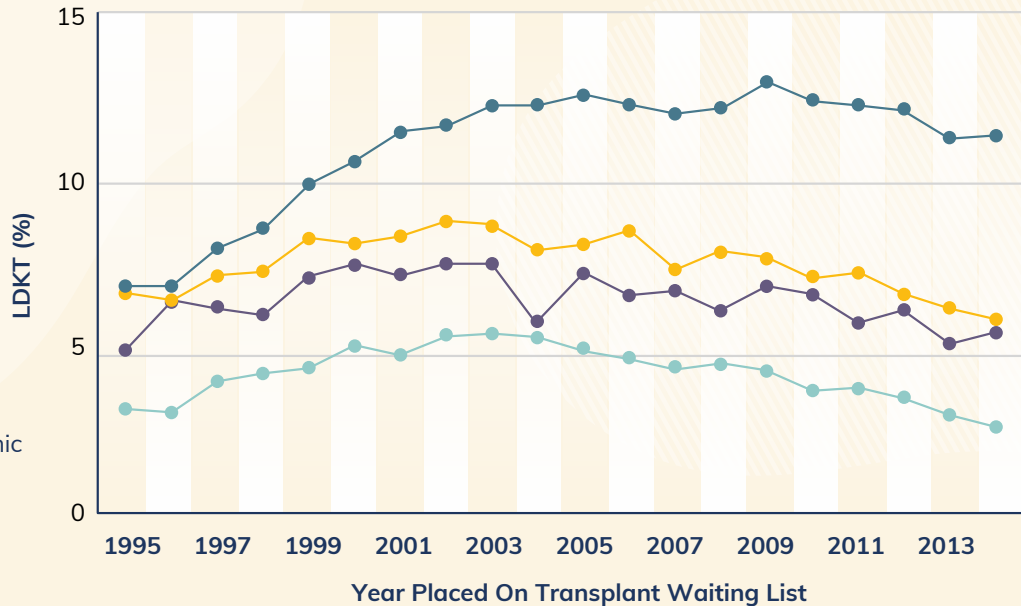
Country	Cases Per Million Population (%)
CHINA	54.3
SINGAPORE	43.2
ITALY	35.2
AUSTRALIA	34.1
CZECH REPUBLIC	34.1
UNITED KINGDOM	33.9
JAPAN	31.0
FRANCE	30.2
KOREA	28.3
UNITED STATES	27.3
BRAZIL	20.1
MOROCCO	12.0

## KIDNEY TRANSPLANTATION IN ASIAN AMERICAN & PACIFIC ISLANDERS

- Racial and ethnic disparities in Living Donor Kidney Transplantation (LDKT) continue in the US, despite efforts to reduce disparities<sup>9</sup>
- Asian patients have lower rates of LDKT at 2 years after being placed on the wait list compared to white patients<sup>9</sup>



### Temporal Trends In Living Donor Kidney Transplantation (LDKT) By Candidate Race/Ethnicity<sup>9</sup>



- White
- Hispanic
- Asian
- Black

Resources:

- Asian American and Pacific Islander Heritage month: May 2022. Census.gov. <https://www.census.gov/newsroom/facts-for-features/2022/asian-american-pacific-islander.html>. Published April 25, 2023. Accessed November 29, 2023.
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