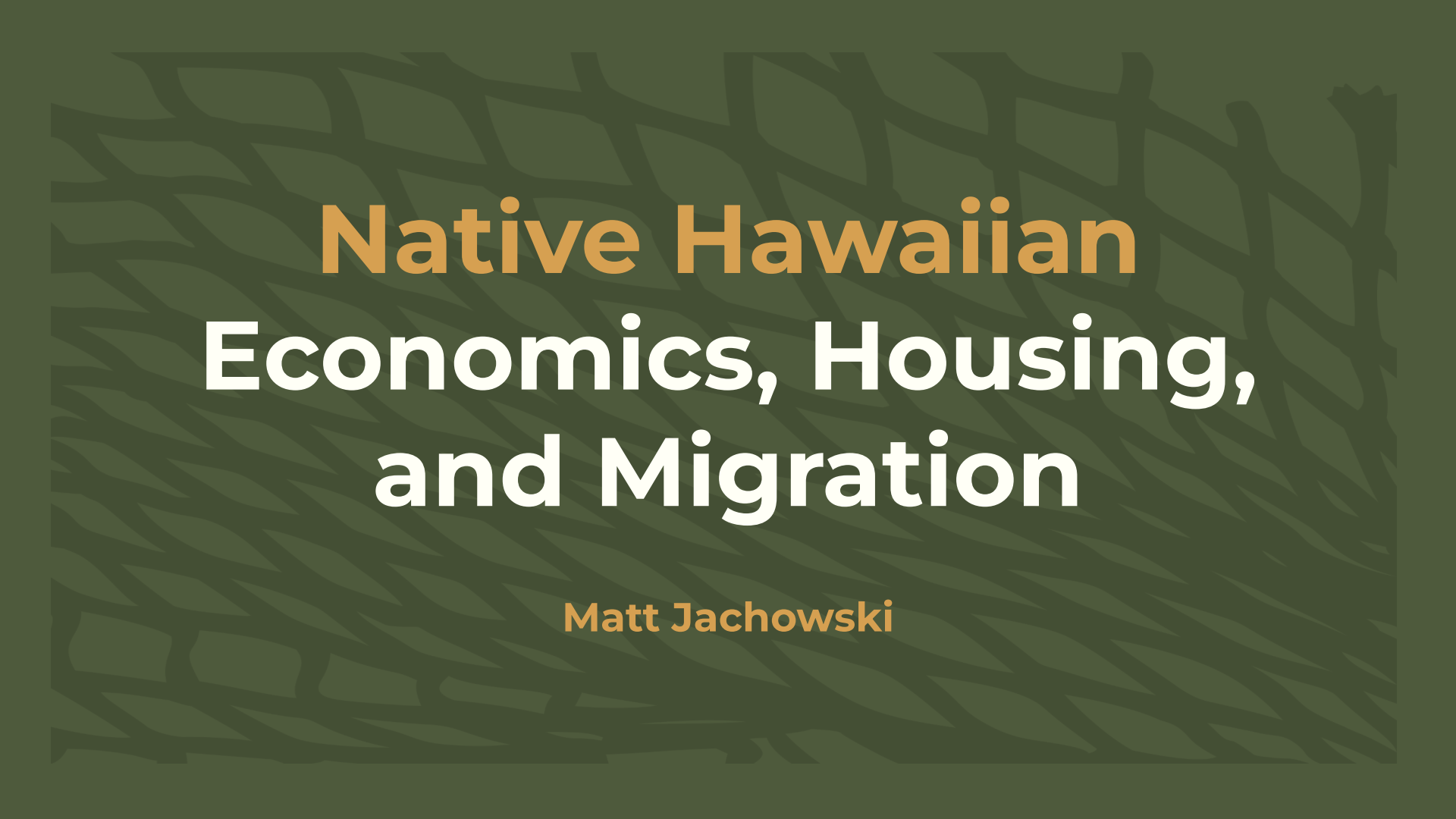


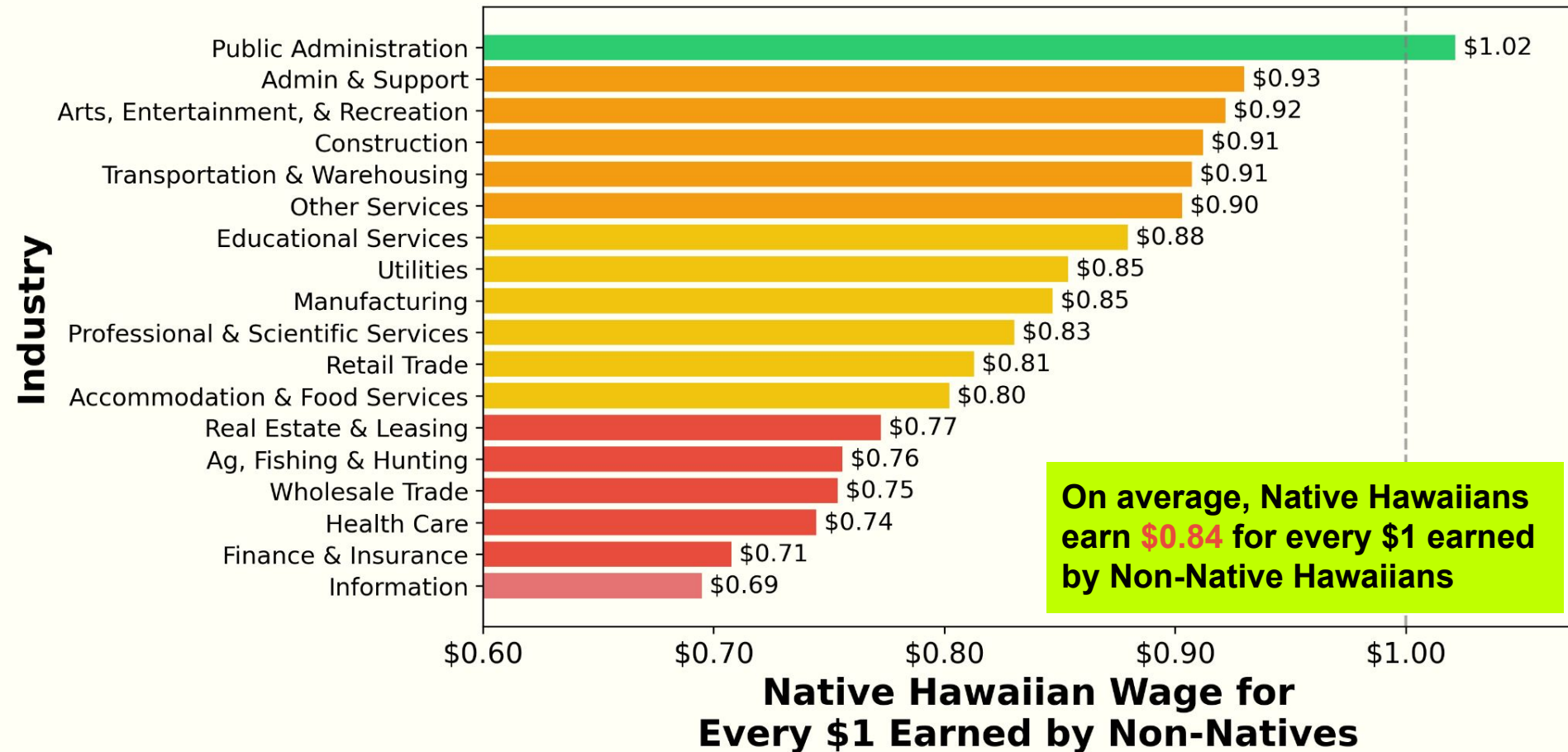


Native Hawaiian **Economics, Housing,** **and Migration**

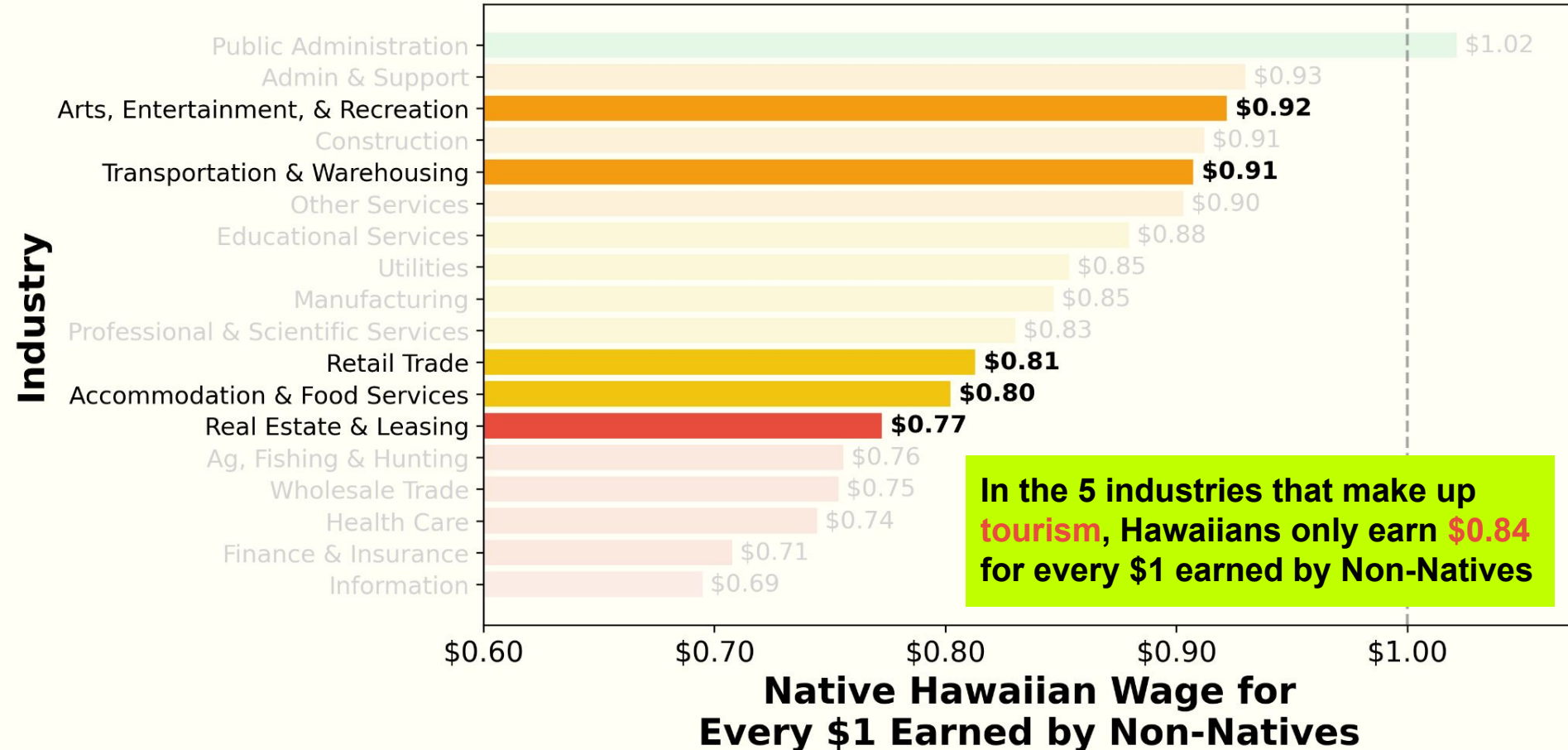
Matt Jachowski

**In Hawaii, Native Hawaiians
earn \$0.84 for every \$1
earned by non-Natives**

Wage Gap by Industry



Wage Gap by Industry



**Native Hawaiians earn
\$3,000 - \$27,000 per year less
depending on industry**

Why the wage gap?

Native Hawaiians are **under-represented** in Hawaii's **largest industries**

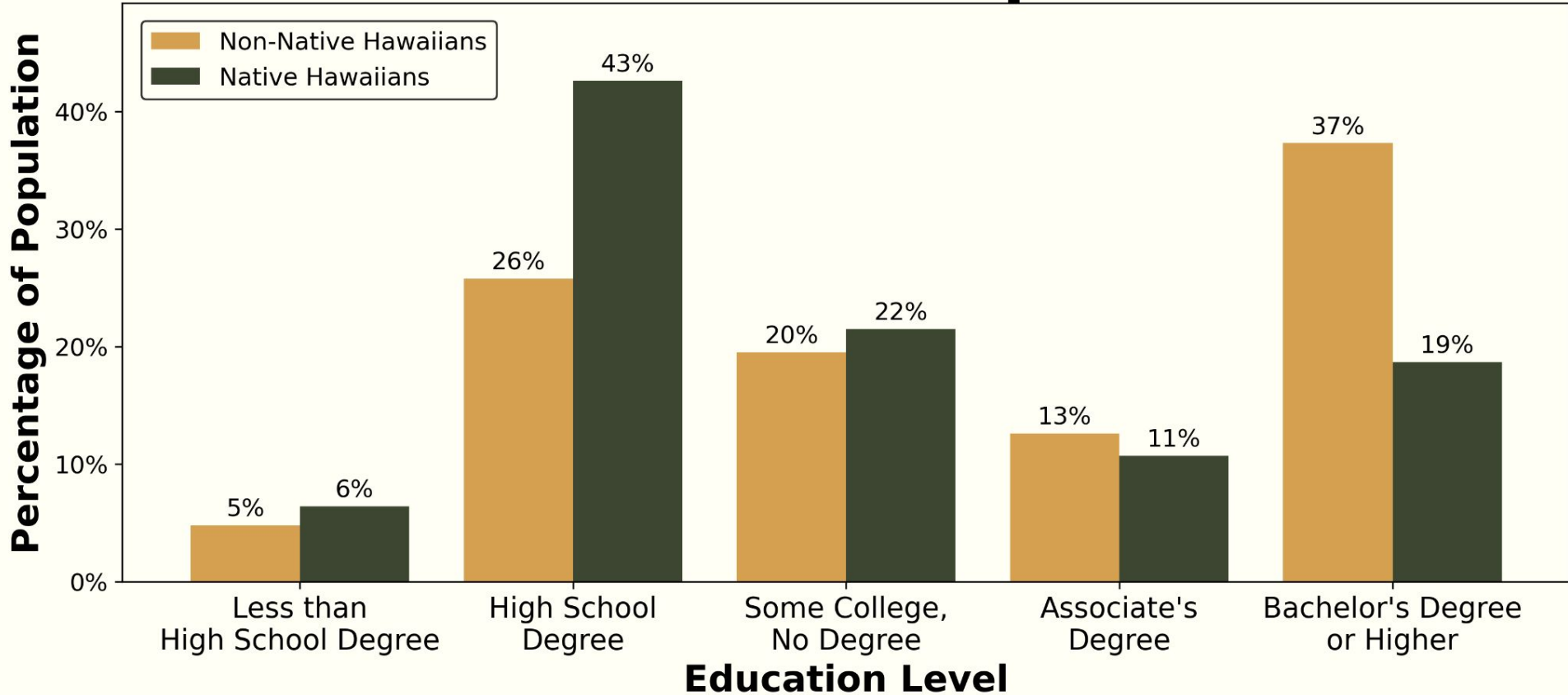
	% of All Wages Paid in Hawaii
Public Administration	18%
Health Care	14%
Accommodation & Food Services	8%
Professional, Scientific & Tech	7%

Native Hawaiians are **under-represented** in most of the **highest-paying industries**

	Average Annual Wages
Finance & Insurance	\$86,000
Professional, Scientific & Tech	\$84,000
Health Care	\$73,000
Real Estate & Leasing	\$73,000
Information	\$71,000
Public Administration	\$70,000

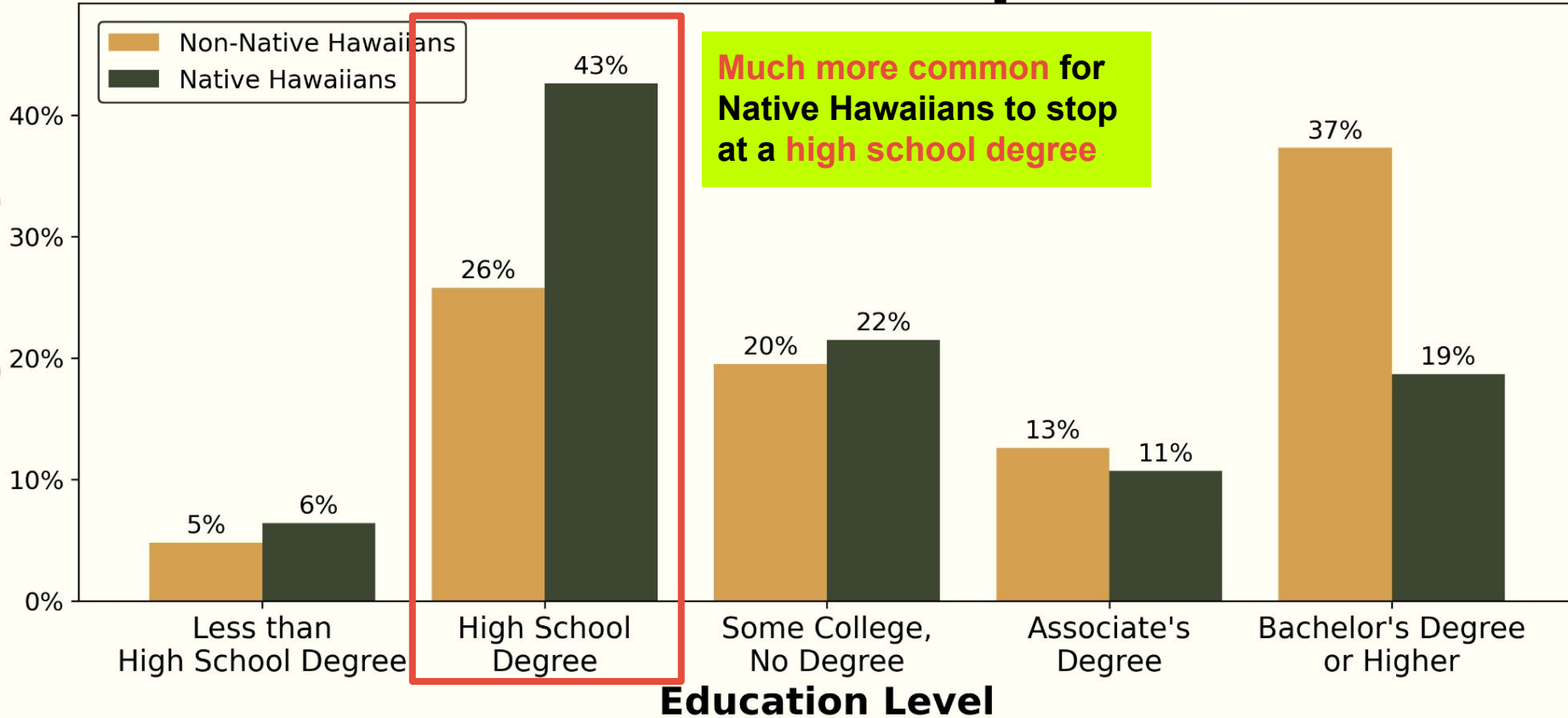
**Most high-wage industries
have many workers with
college degrees**

Education Level of Hawaii-Born Populations



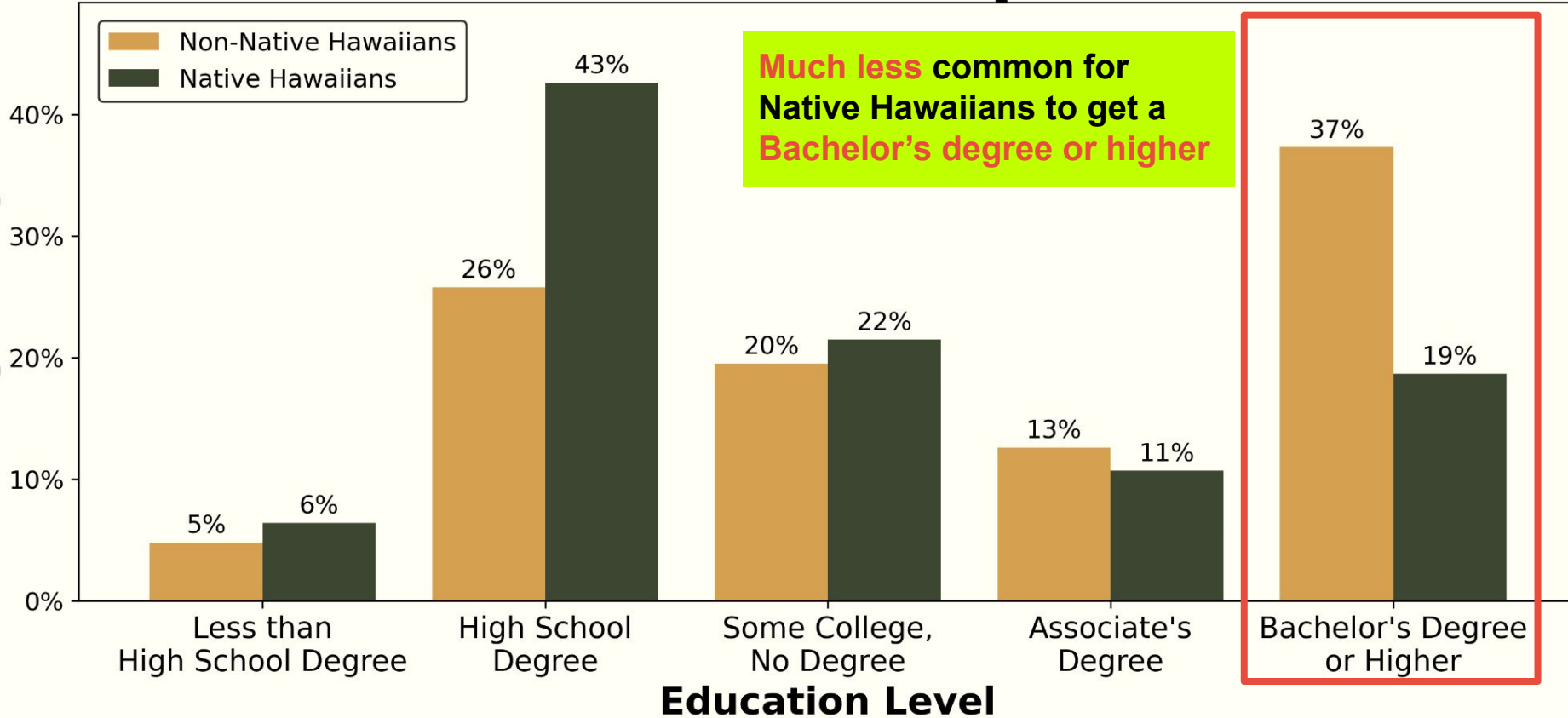
Education Level of Hawaii-Born Populations

Percentage of Population



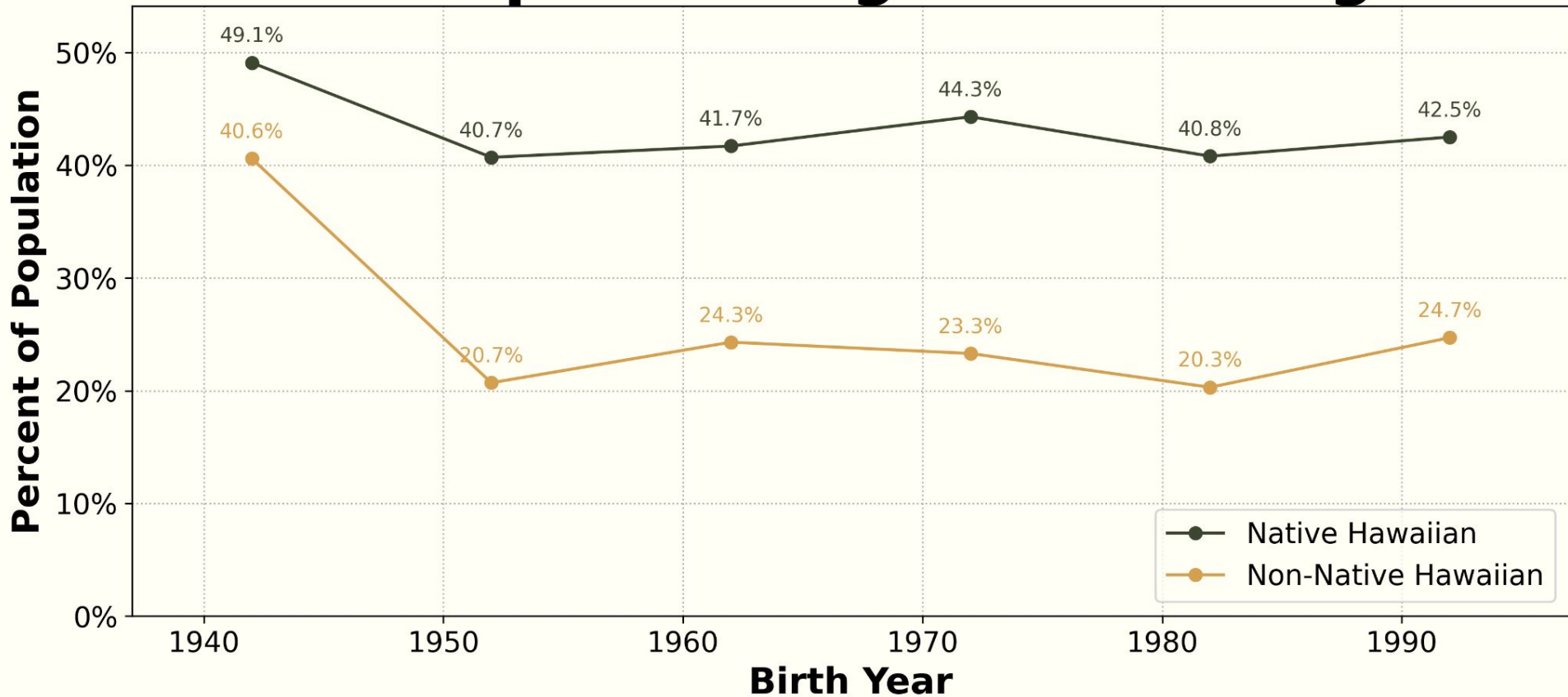
Education Level of Hawaii-Born Populations

Percentage of Population

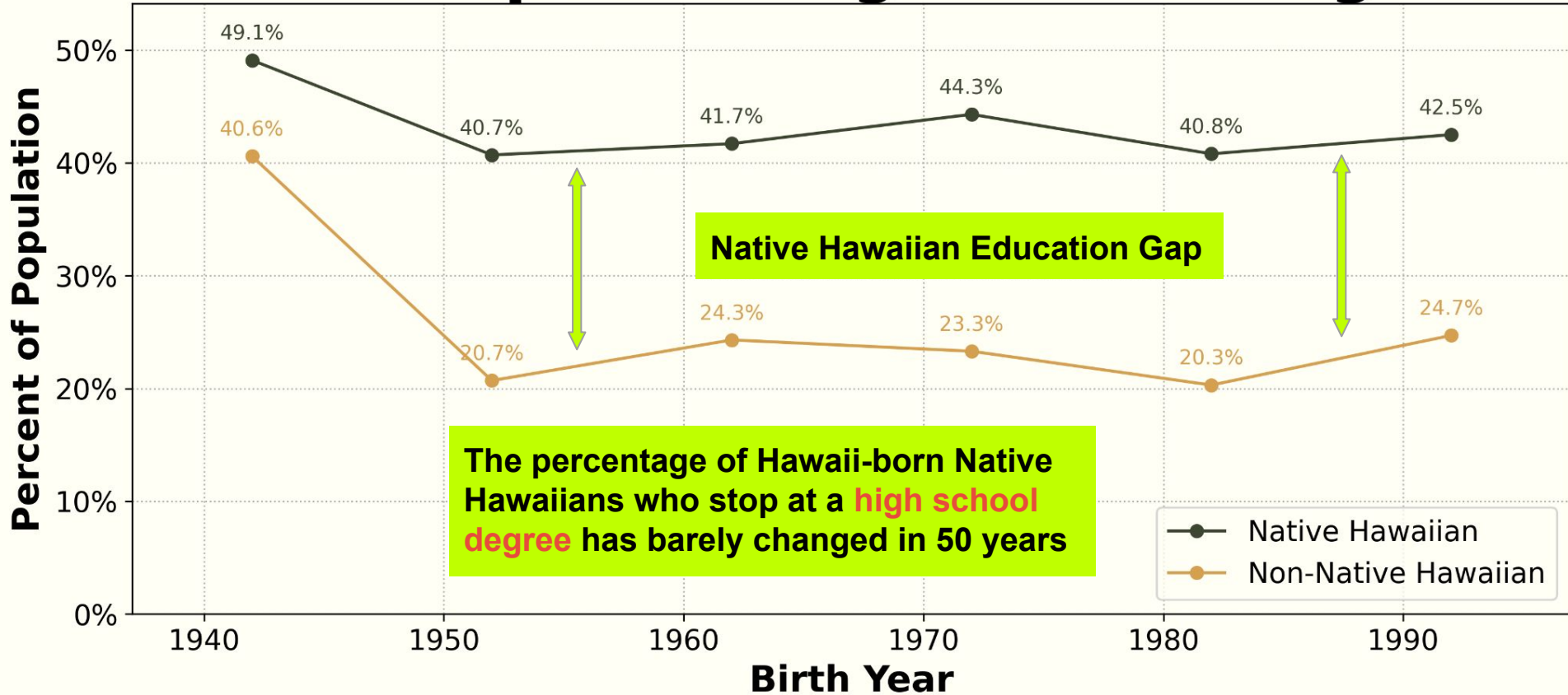


An **education gap** has
persisted for at least **50 years**

Percent of Hawaii-Born Population that Stops at a High School Degree

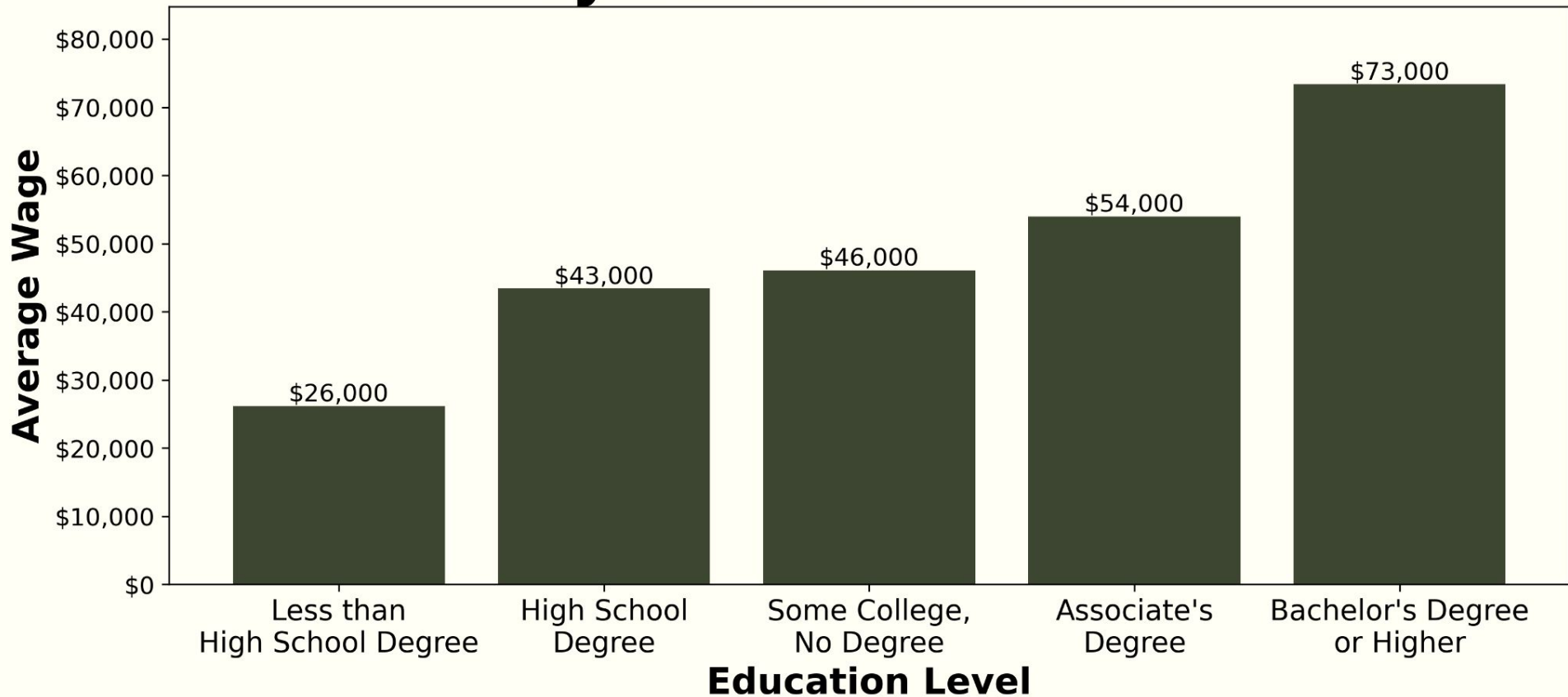


Percent of Hawaii-Born Population that Stops at a High School Degree

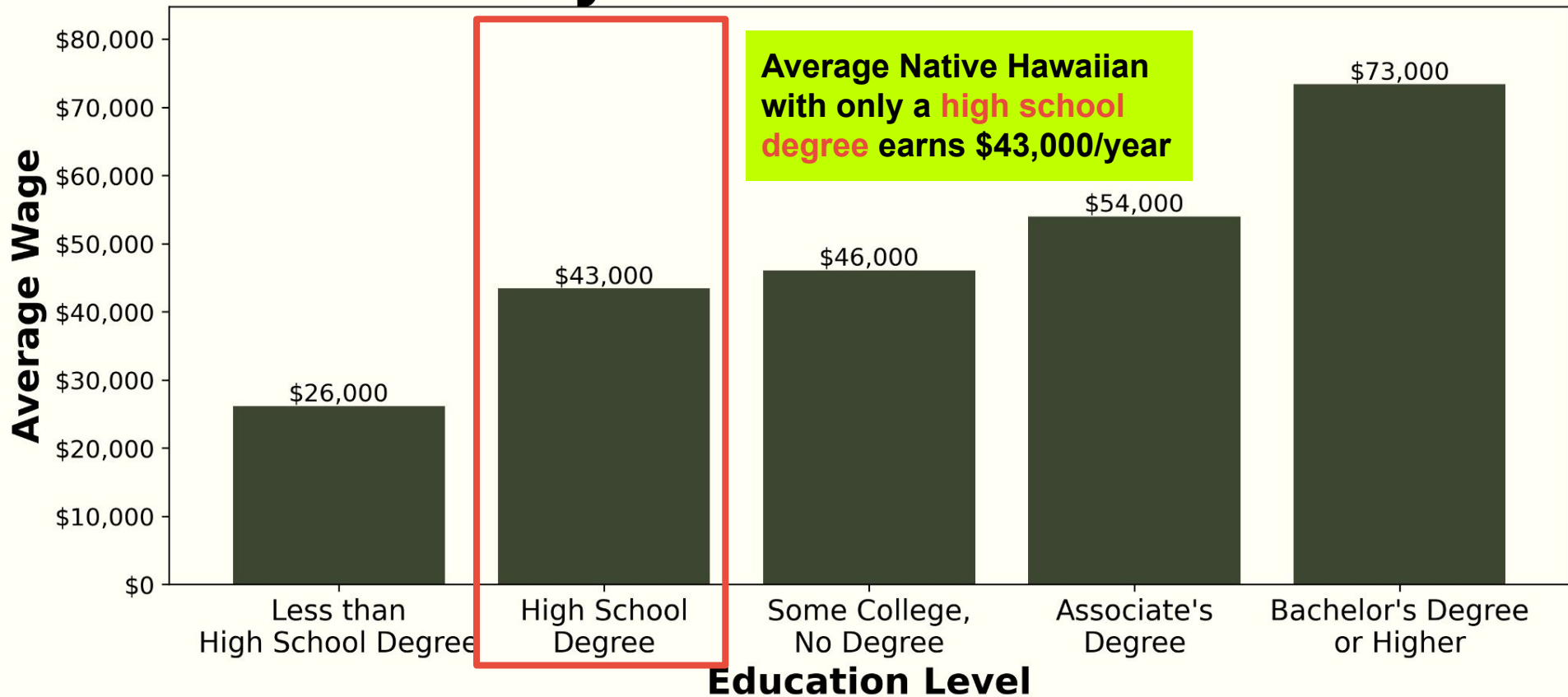


**Less education
means lower wages**

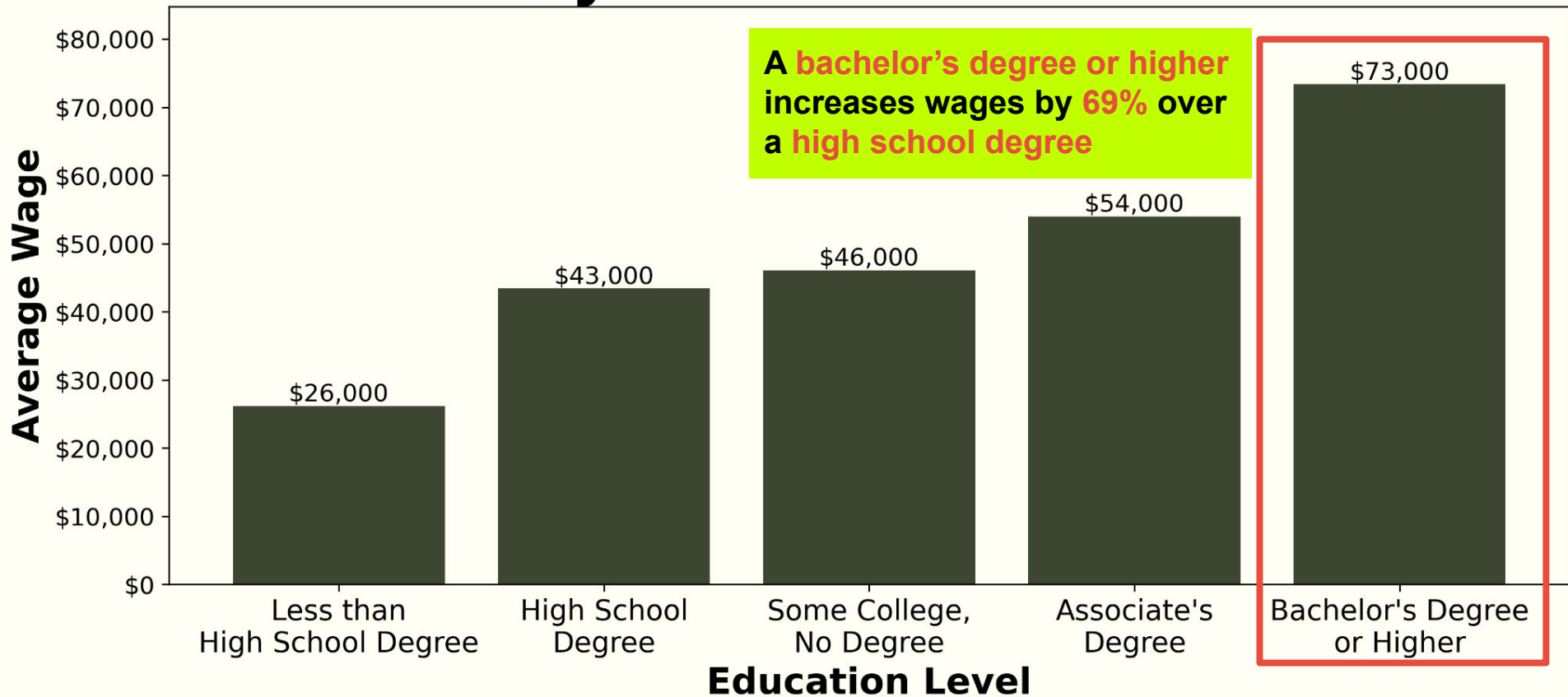
Average Wage for Native Hawaiians by Education Level



Average Wage for Native Hawaiians by Education Level



Average Wage for Native Hawaiians by Education Level



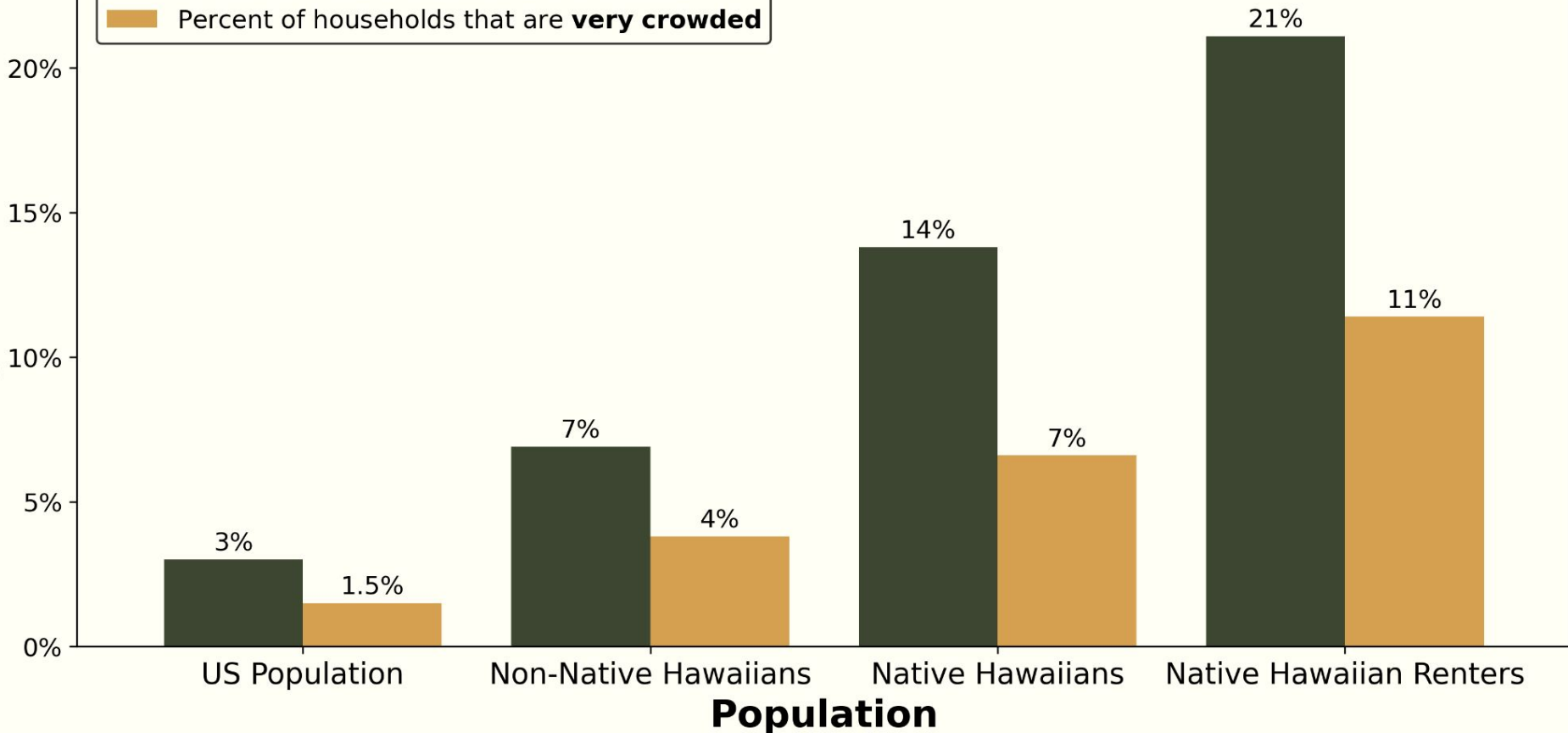
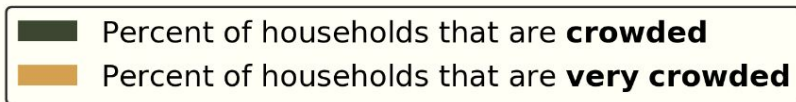
**Native Hawaiians earn
less than non-Natives**

**How does this
affect housing?**

**Native Hawaiians put more
people into the same homes**

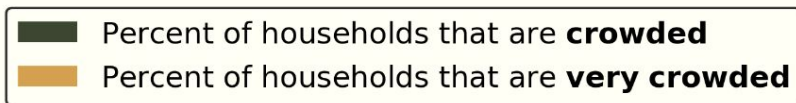
Overcrowded Households in Hawaii

Percentage of Households

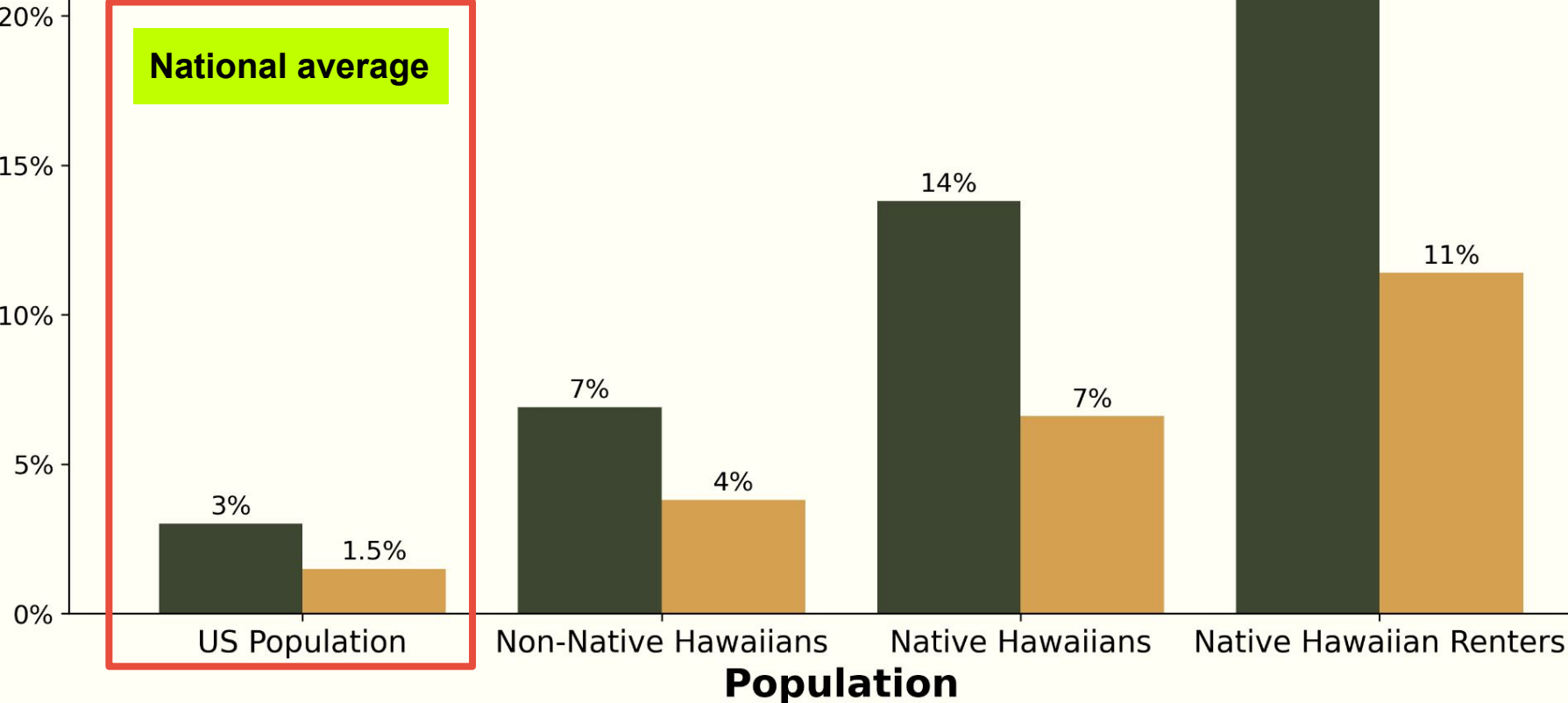


Overcrowded Households in Hawaii

Percentage of Households



National average



Overcrowded Households in Hawaii

Percentage of Households

■ Percent of households that are **crowded**
■ Percent of households that are **very crowded**

Hawaii has the
most crowded
housing in the US

20%

15%

10%

5%

0%

US Population

Non-Native Hawaiians

Native Hawaiians

Native Hawaiian Renters

Population

3%

1.5%

7%

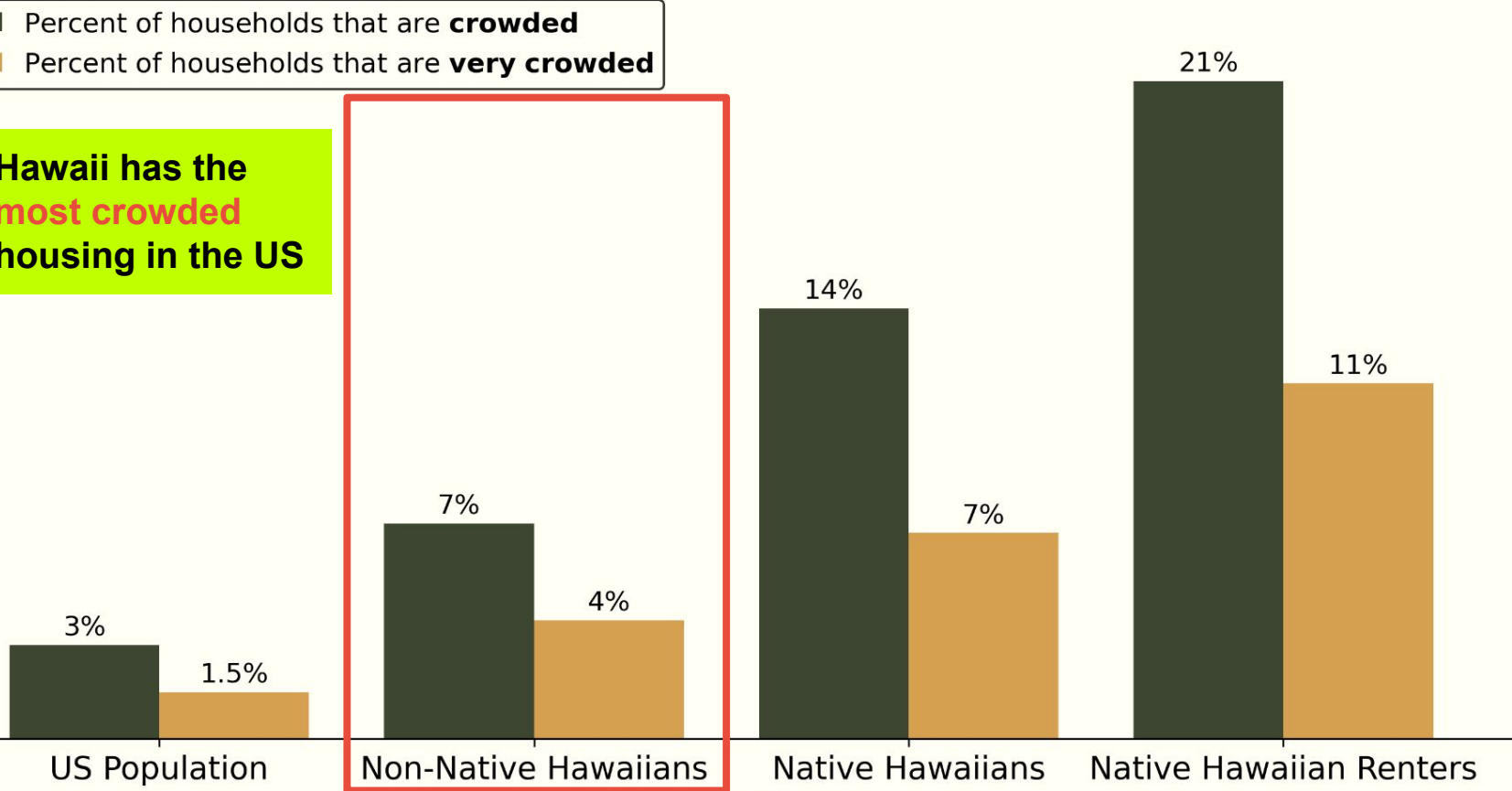
4%

14%

7%

21%

11%



Overcrowded Households in Hawaii

Percentage of Households

■ Percent of households that are **crowded**
■ Percent of households that are **very crowded**

**Twice as many
Native Hawaiian households
are crowded as non-Native
households**

20%

15%

10%

5%

0%

US Population

Non-Native Hawaiians

Native Hawaiians

Native Hawaiian Renters

Population

3%

1.5%

7%

4%

14%

7%

21%

11%

Overcrowded Households in Hawaii

Overcrowded Households in Hawaii

Percentage of Households

■ Percent of households that are **crowded**
■ Percent of households that are **very crowded**

3x as many
Native Hawaiian renter
households are crowded

20%
15%
10%
5%
0%

US Population

Non-Native Hawaiians

Native Hawaiians

Native Hawaiian Renters

Population

3%

1.5%

7%

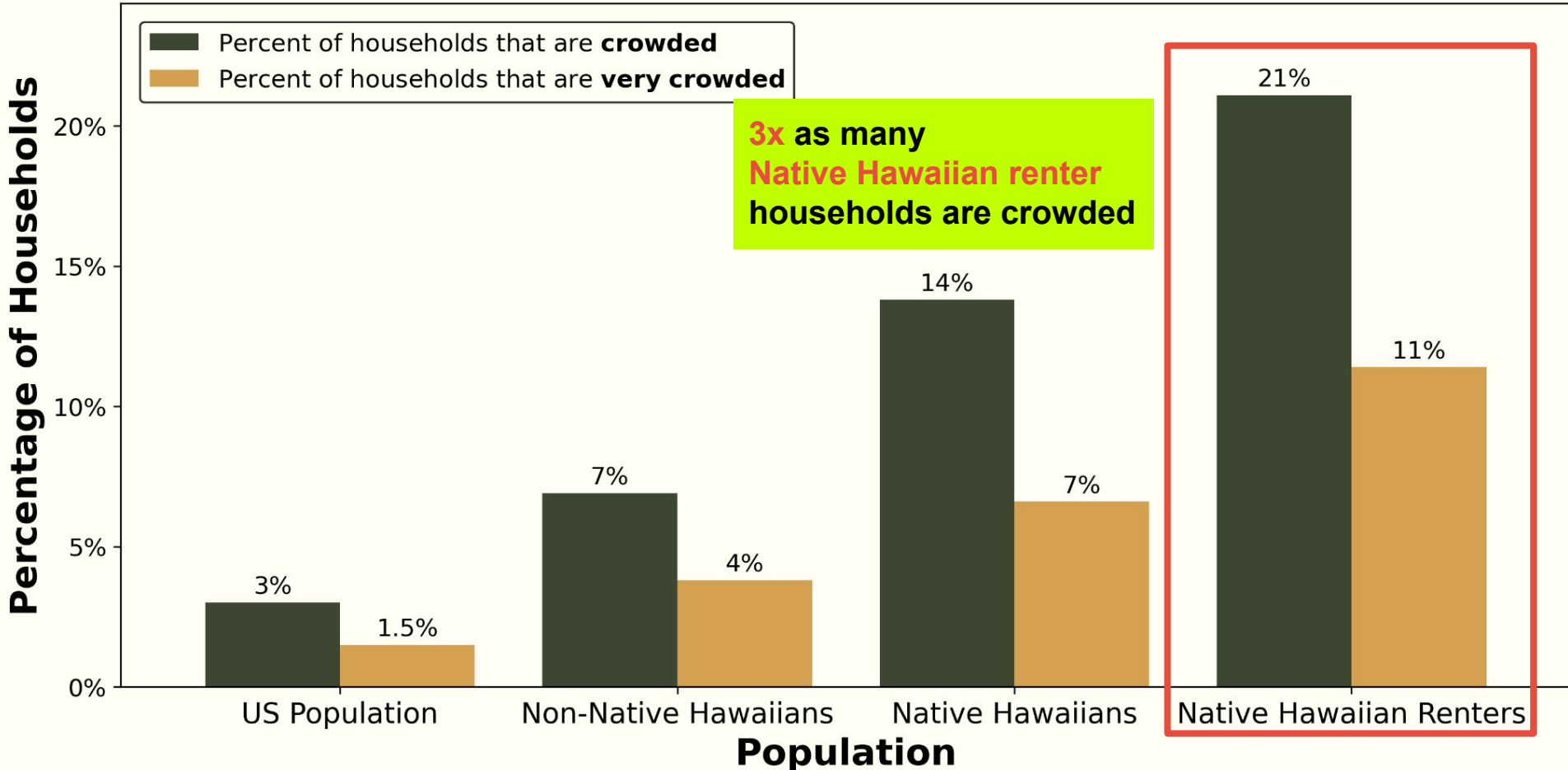
4%

14%

7%

21%

11%



15,700 Native Hawaiian
households are ***crowded***

15,700 Native Hawaiian
households are ***crowded***

7,500 Native Hawaiian
households are ***very crowded***

Naive Interpretation:
Hawaiian households *want*
to live as large families
sharing one space

Reality:

***Overcrowding* is how
many Native Hawaiians
afford housing**

**For some Hawaiians,
unaffordable and crowded
housing isn't worth it**

Migration

Hawaii vs Continent for Native Hawaiians - Differences

	Hawaii	Continent
Crowded Households	14%	6%

Hawaii vs Continent for Native Hawaiians - Differences

	Hawaii	Continent
Crowded Households	14%	6%
Very Crowded Households	7%	3%

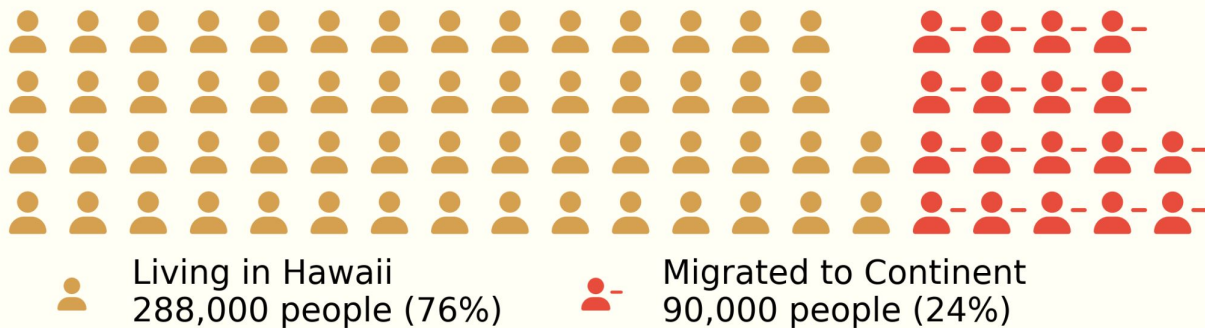
Hawaii vs Continent for Native Hawaiians - Differences

	Hawaii	Continent
Crowded Households	14%	6%
Very Crowded Households	7%	3%
Average Wage	\$50,000	\$59,000

How much migration?

Native Hawaiian Migration

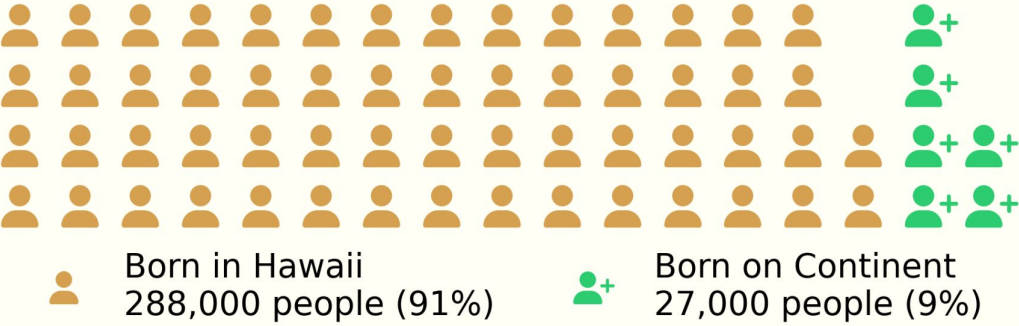
Born in Hawaii



1 item = 5,000 people

Native Hawaiian Migration

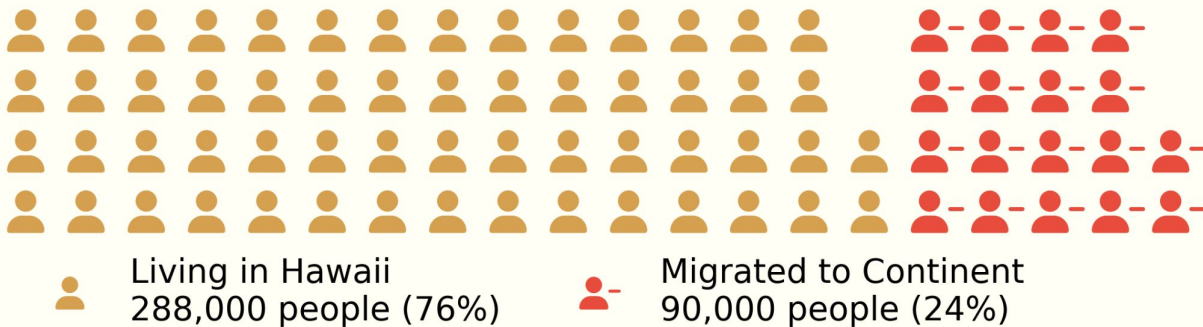
Living in Hawaii



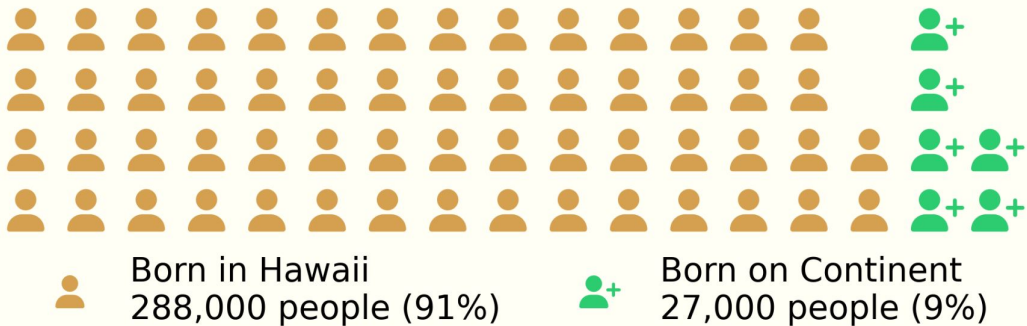
1 item = 5,000 people

Native Hawaiian Migration

Born in Hawaii



Living in Hawaii



1 item = 5,000 people

Net Migration

	Hawaii to Continent	Continent to Hawaii	Net Migration to Hawaii	% Change in Population
Native Hawaiians	90,000	27,000	-62,000	-17%

Net Migration

	Hawaii to Continent	Continent to Hawaii	Net Migration to Hawaii	% Change in Population
Native Hawaiians	90,000	27,000	-62,000	-17%
Non-Native Hawaiians	460,000	655,000	+194,000	+21%

Net Migration

	Hawaii to Continent	Continent to Hawaii	Net Migration to Hawaii	% Change in Population
Native Hawaiians	90,000	27,000	-62,000	-17%
Non-Native Hawaiians	460,000	655,000	+194,000	+21%

Recap

**Native Hawaiians earn less
than non-Native Hawaiians**

**Because Native Hawaiians
have lower education levels**

**Lower wages +
unaffordable housing
= limited housing options**

1. **Crowd** into housing
2. **Migrate** to the Continent

**Native Hawaiian population
in Hawaii is shrinking**

Core Problems

1. Not enough **affordable** resident housing
2. Hawaiians need **better** educational outcomes

Housing Solutions

1. Build more affordable and attainable housing

- 1. Build more affordable and attainable housing**
- 2. Discourage proliferation of second homes & luxury homes**

- 1. Build more affordable and attainable housing**
- 2. Discourage proliferation of second homes & luxury homes**
- 3. Convert short-term rentals into resident housing**

And, **DHHL** can have
a huge impact

Housed 10,000 Hawaiian families

Housed 10,000 Hawaiian families

But 29,000 more on the waitlist

Housed 10,000 Hawaiian families

But 29,000 more on the waitlist

**Waitlist is 26% of all Hawaiian
households in Hawaii**

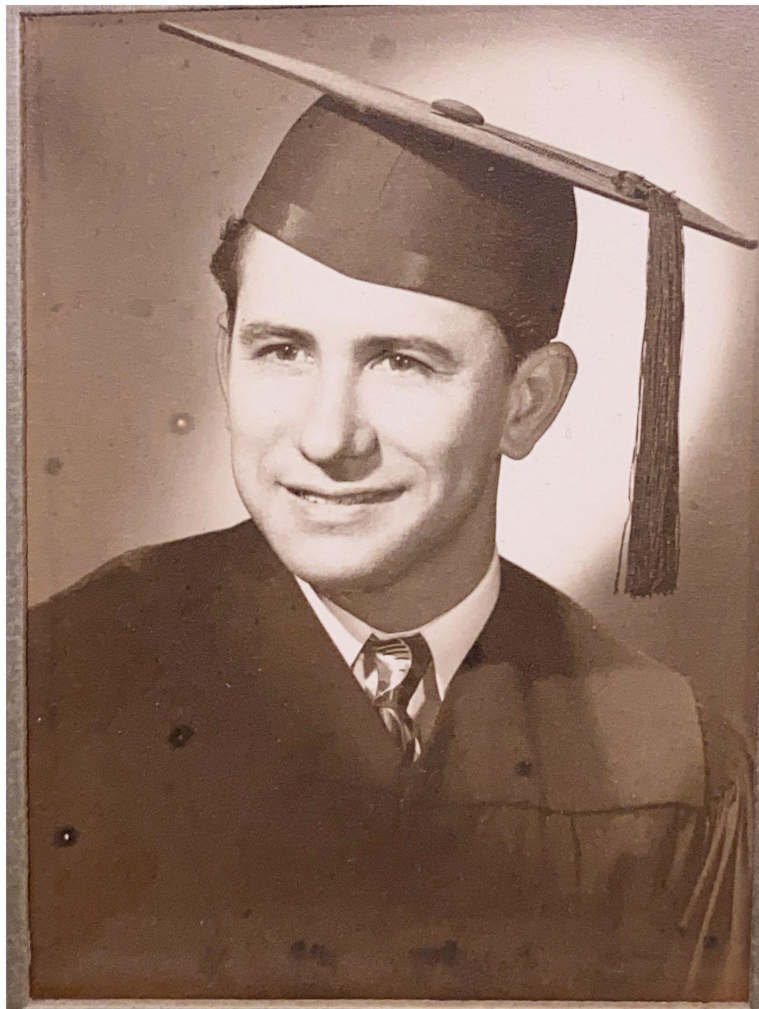
Education Solutions

Kula Kaiapuni / DOE

Kamehameha Schools

University of Hawaii

Office of Hawaiian Affairs





Keep Hawaii Hawaiian