Demographic change on the United States Coast, 2020-2100

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Overview



The changing face of America, 1965–2065

% of the total population



Note: Whites, blacks and Asians include only single-race non-Hispanics; Asians include Pacific Islanders. Hispanics can be of any race.

Source: Pew Research Center 2015 report, *Modern Immigration Wave Brings 59 Million to US, Driving Population Growth and Change Through 2065"

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The Coastal Population

STATE SAVE

- 40% of the US population lives in a coastal community
 - Coastal communities are among the most rapidly growing areas in the US and across the world.
- Understanding the future demographic changes in coastal communities can help inform equitable decision making for climate change planning.



Results – Race/Ethnicity



@thehauer

- Currently Less than 50% is White NH.
- By 2050, the White NH population is projected to account for less than 40% of US coastal population – a decline of nearly 10 percentage points and 827k people.



Results – Race/Ethnicity



Coastal Race/ethnic Composition, 2020

Coastal Race/ethnic Composition, 2100





2020 = Relatively youthful population

Results – Age

2100 = 3x population aged 65+

2020 65+ = 16% 2100 65+ = 37%

Japan's 65+ is currently 26%









Virtual stagnation in all populations under age 65

Results – Age







Results – Age



Significant increases in median age in the 25 most populous coastal counties.

Japan's median age is 48.4





Aren't these just secular demographic trends?









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• Well, yes. But also no.





Welch Two Sample t-test

Variable	Year	df	t	p val
% White NH	2020	287.0	-10.709	0.0000
% White NH	2100	291.3	-6.633	0.0000



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Median Age



Welch Two Sample t-test

Variable	Year	df	t	p val
% White NH	2020	287.0	-10.709	0.0000
% White NH	2100	291.3	-6.633	0.0000
Median Age	2020	277.7	1.311	0.1909
Median Age	2100	285.6	6.082	0.0000







- Coastal areas are likely to be older and more racially diverse by 2100 and compared to inland areas.
- Coastal areas are aging more rapidly than inland areas.



Why does this matter?













Why does this matter?

STATE CALVERSITE

These demographic shifts are important for understanding Socioeconomic impacts of climate change Adaptation strategies to climate change "Migration as adaptation" Mitigation of carbon emissions

Yet prospective analyses of these topics are still rare in the broader literature.



Thank you!



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