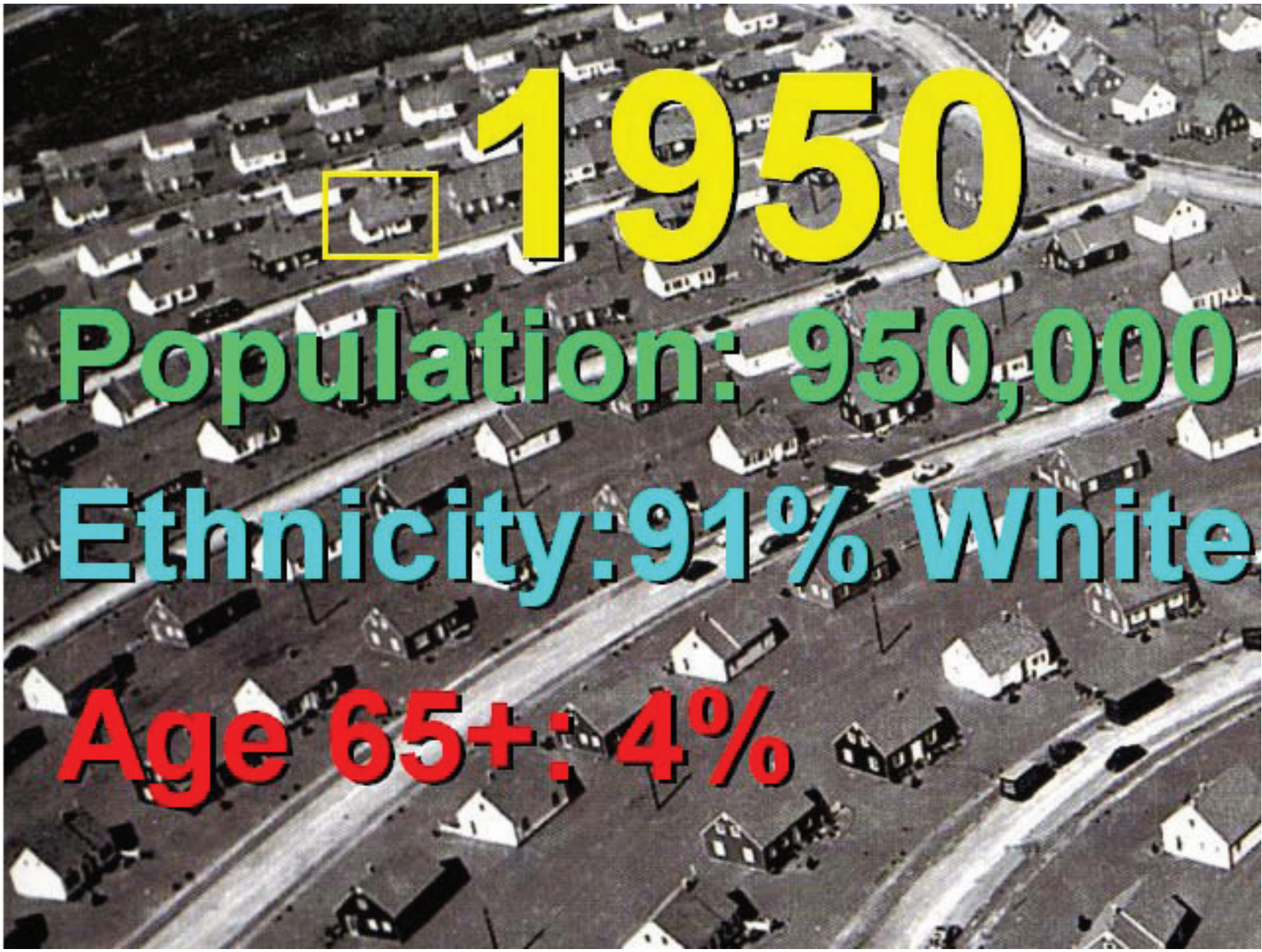


ST. JOHN'S
UNIVERSITY
FOUNDED 1870

The Coming Waves

Jonathan T. Hughes, Ph.D.
St. John's University

QUEENS STATEN ISLAND ROME
OAKDALE MANHATTAN



1950

Population: 950,000

Ethnicity: 91% White

Age 65+: 4%

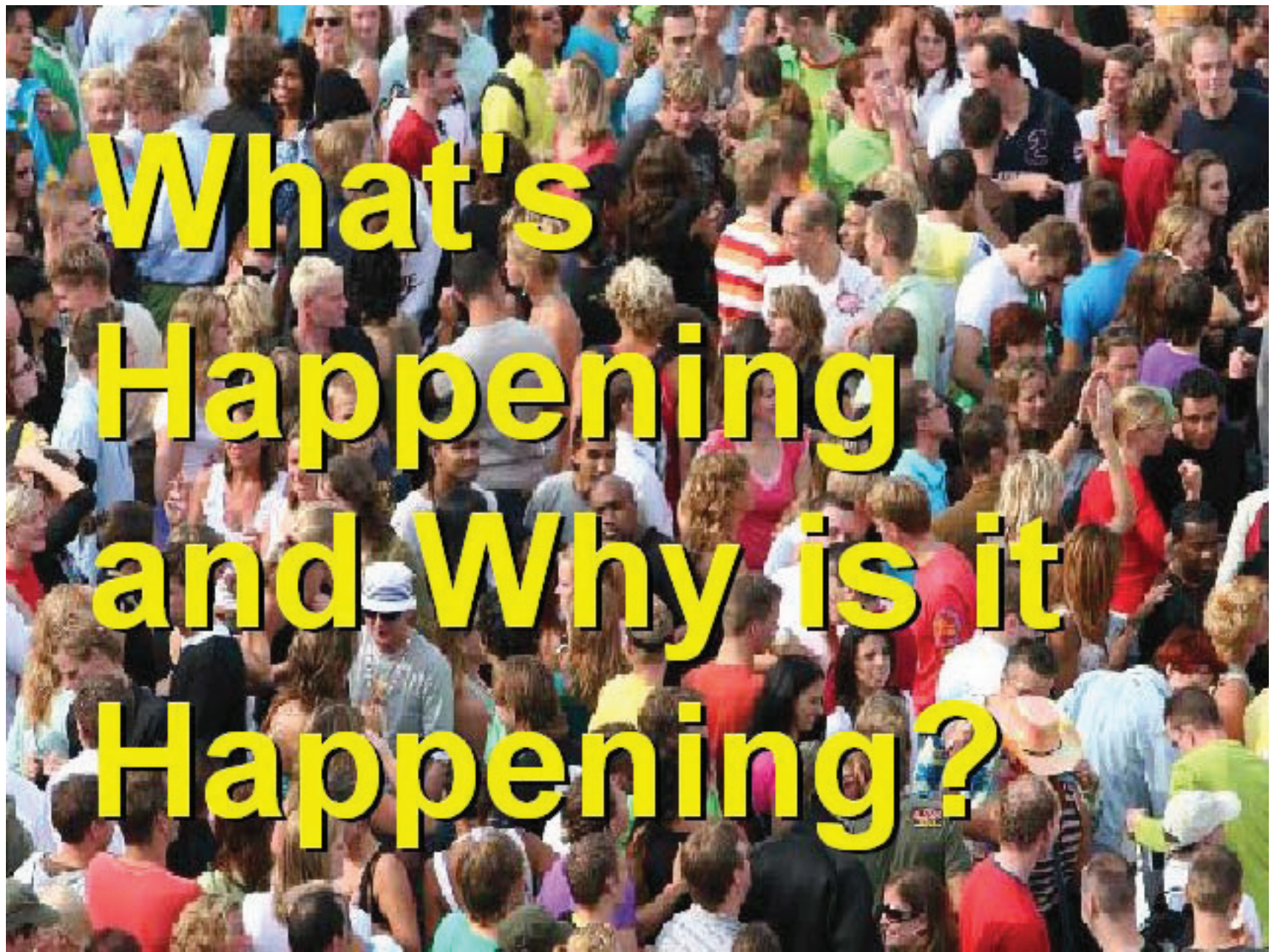


2010

Population 2,800,000

Ethnicity: 65% White

Age 65+ : 14%



**What's
Happening
and Why is it
Happening?**

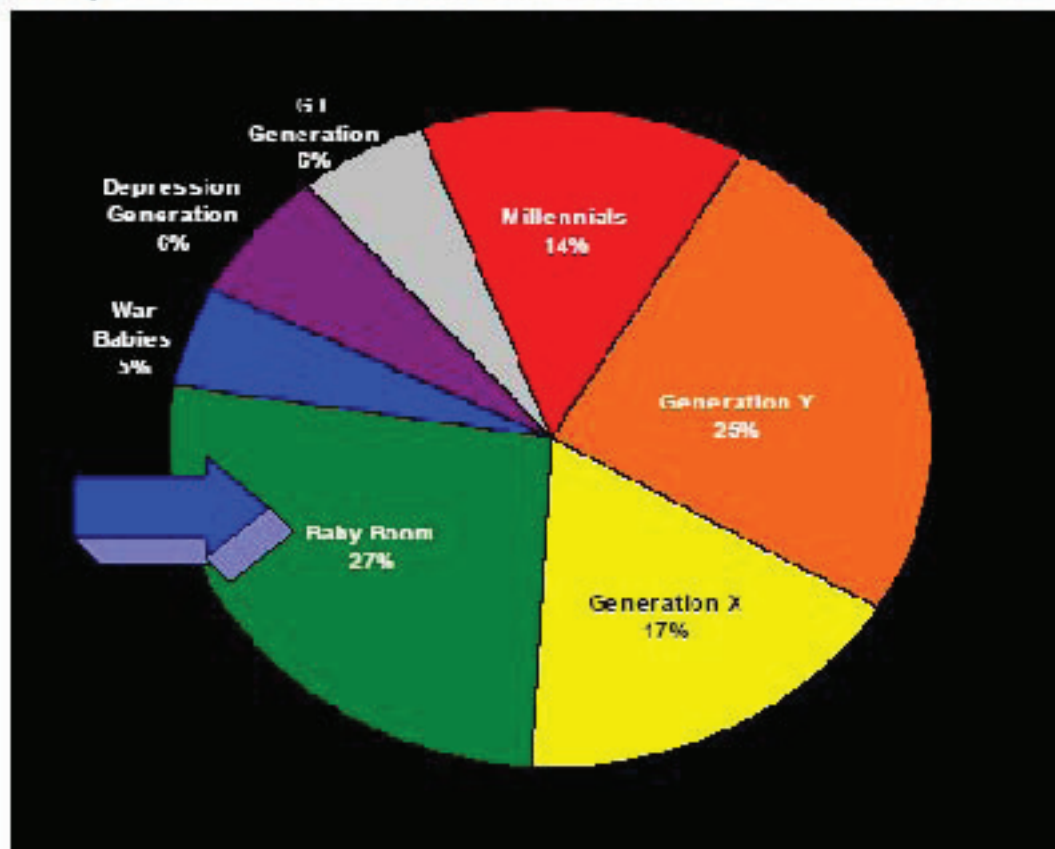
Three Major "Waves" ...

- ✓ When Less is more
- ✓ When Old is Young
- ✓ When Minor is Major



The Coming Waves

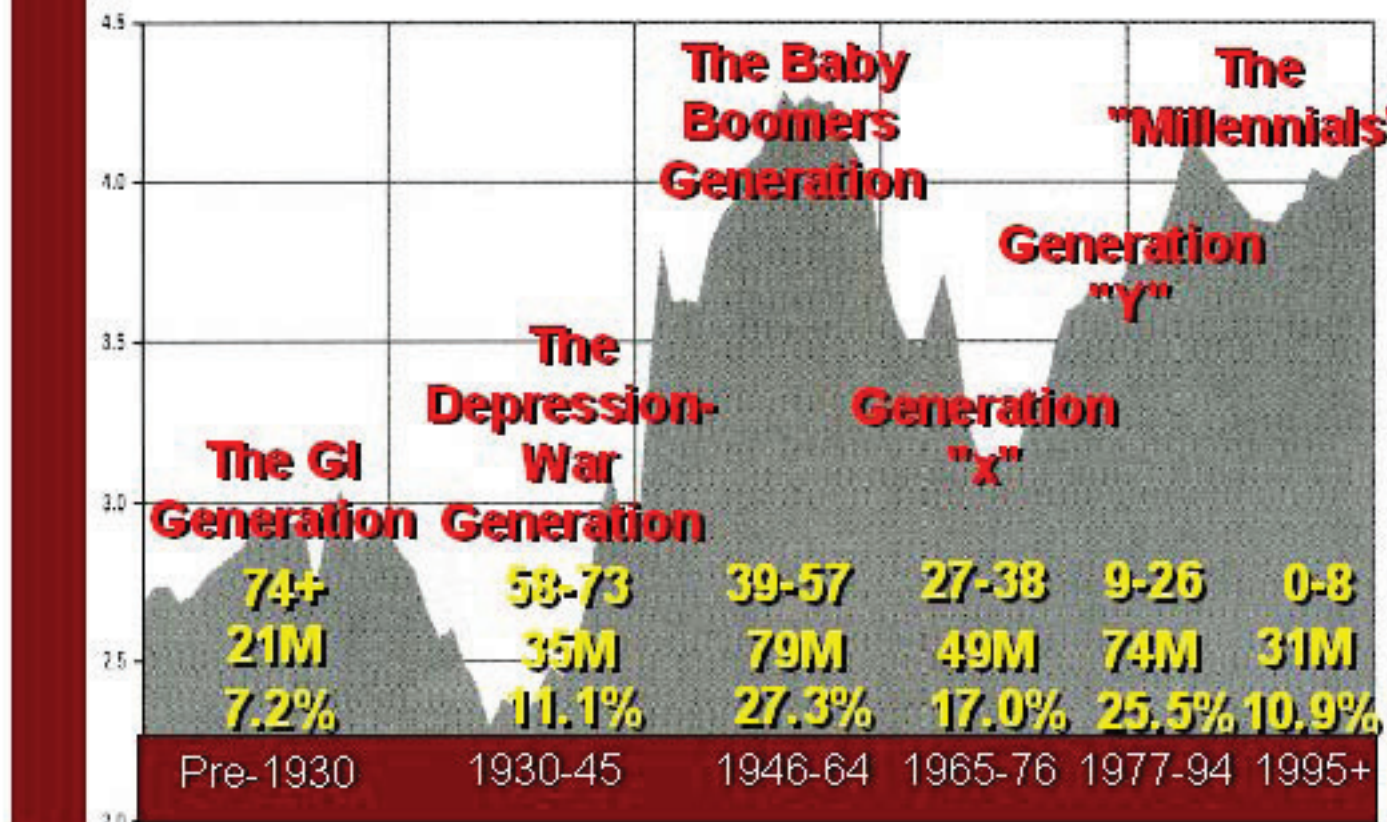
For Americans, the generations of this century will play an important role in the waves that are coming



**% Share of
Current
Population**

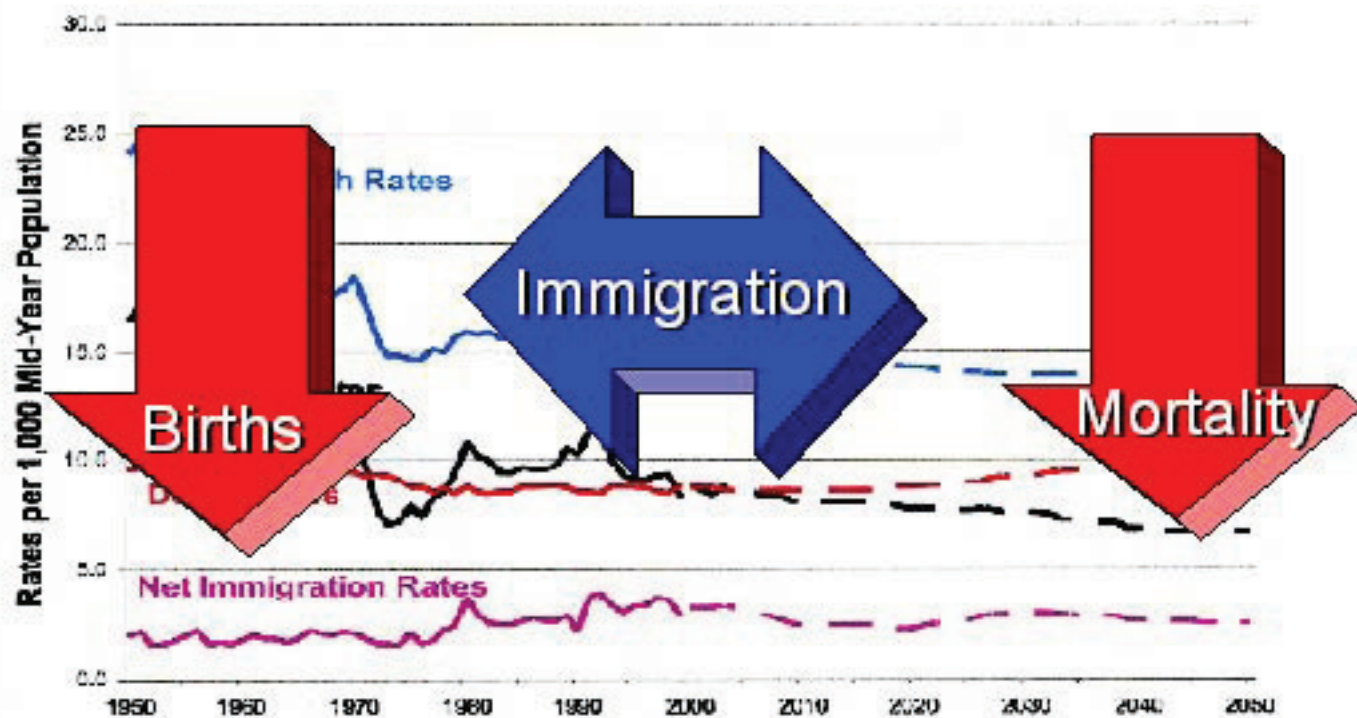
The Coming Waves

The generations of the twentieth century were the largest in American history



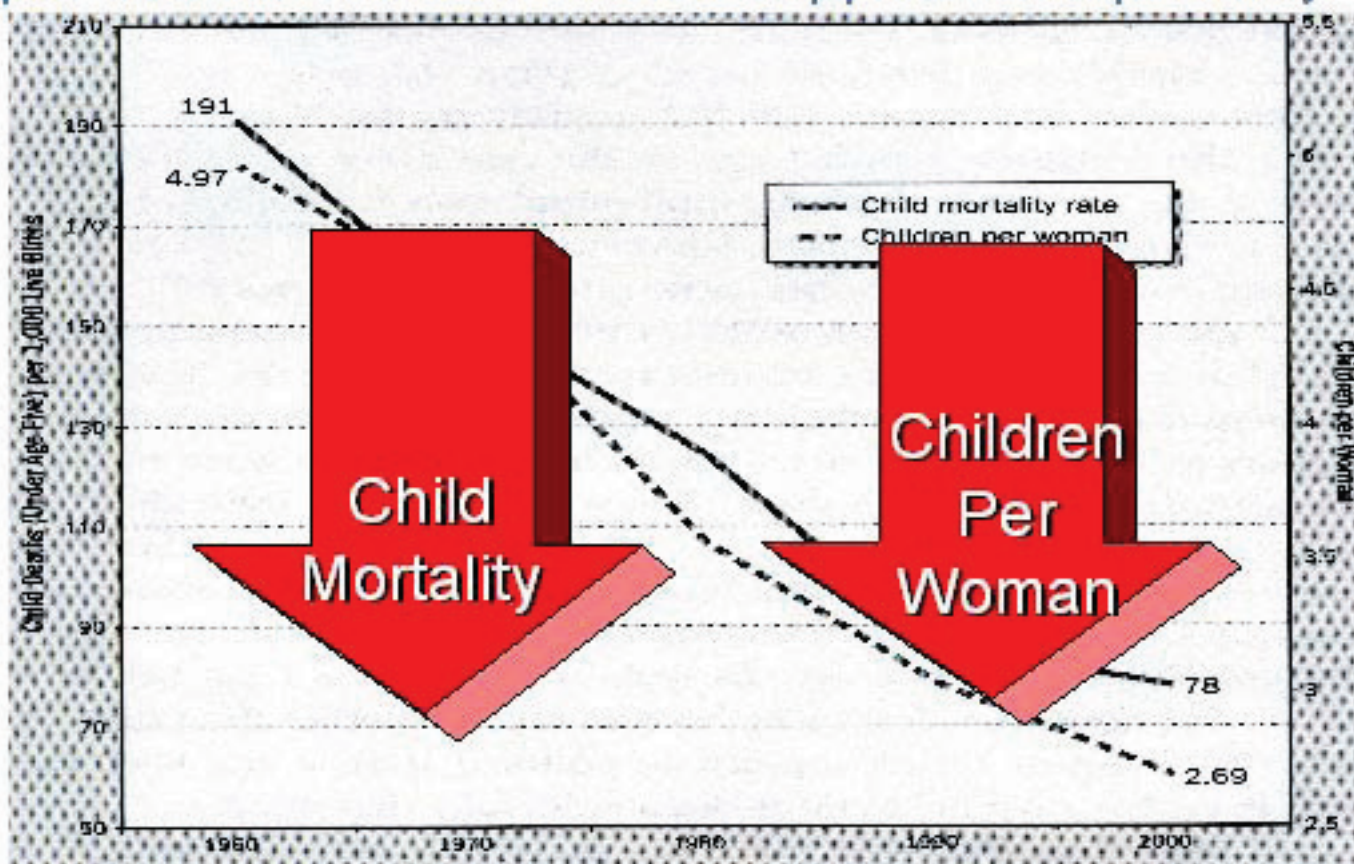
The Coming Waves

Three Major Components--Fertility, Mortality, and Immigration: Less can be More



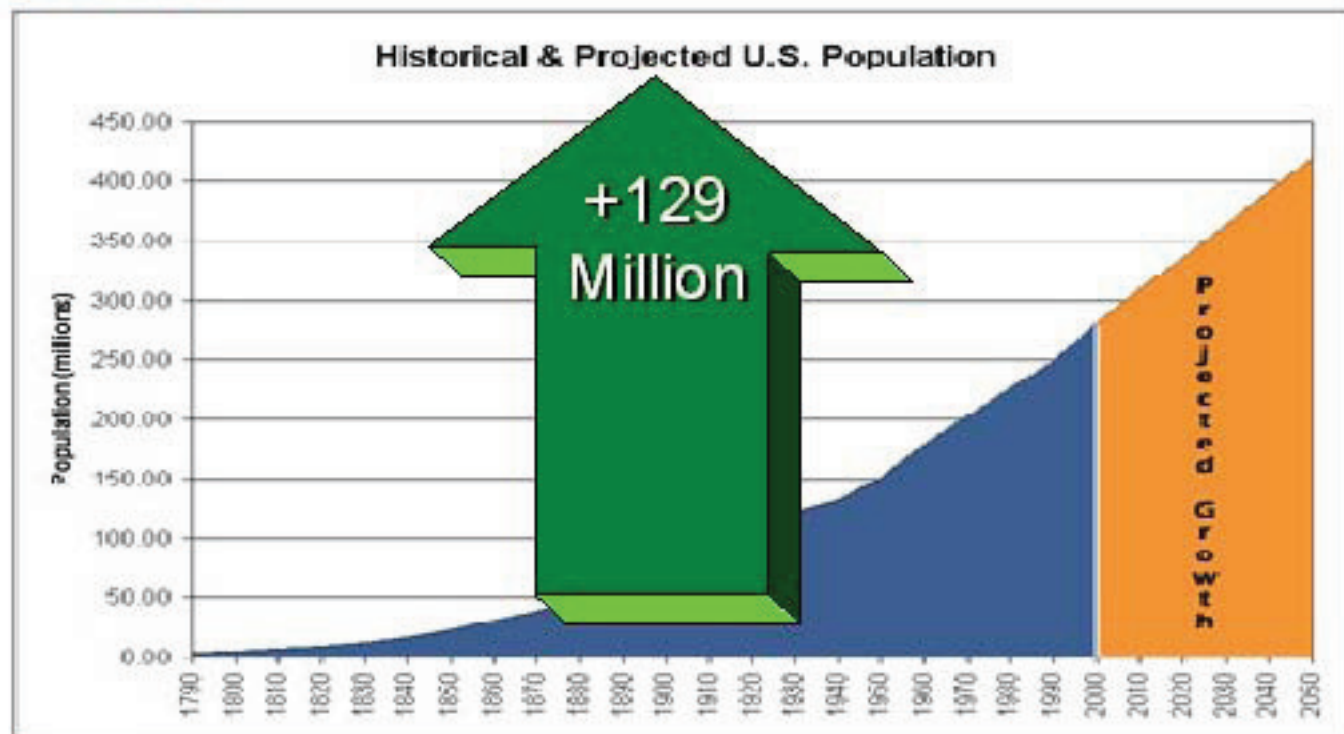
The Coming Waves

Around the world, Child Mortality Rates and Children per Woman Ratios have Dropped Precipitously



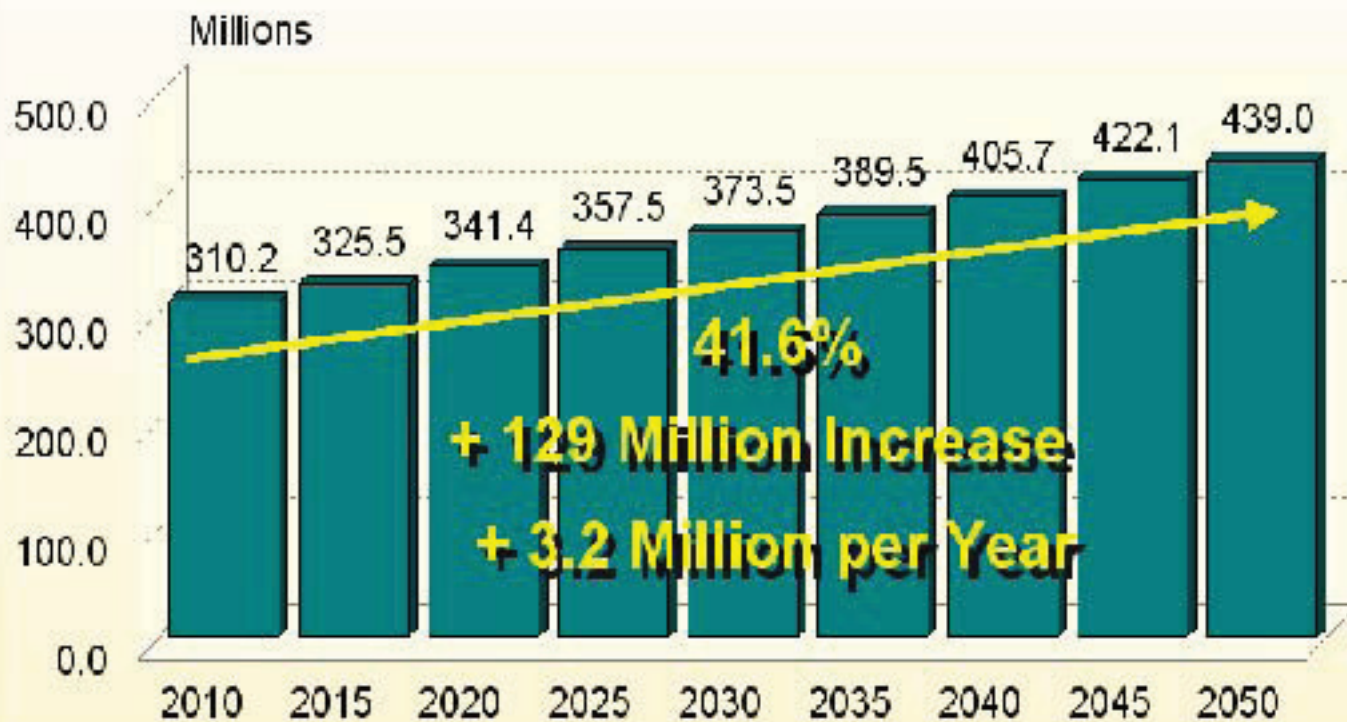
The Coming Waves

The U.S. Population more than doubled since 1950 and will continue to grow to over 400 Million by 2050



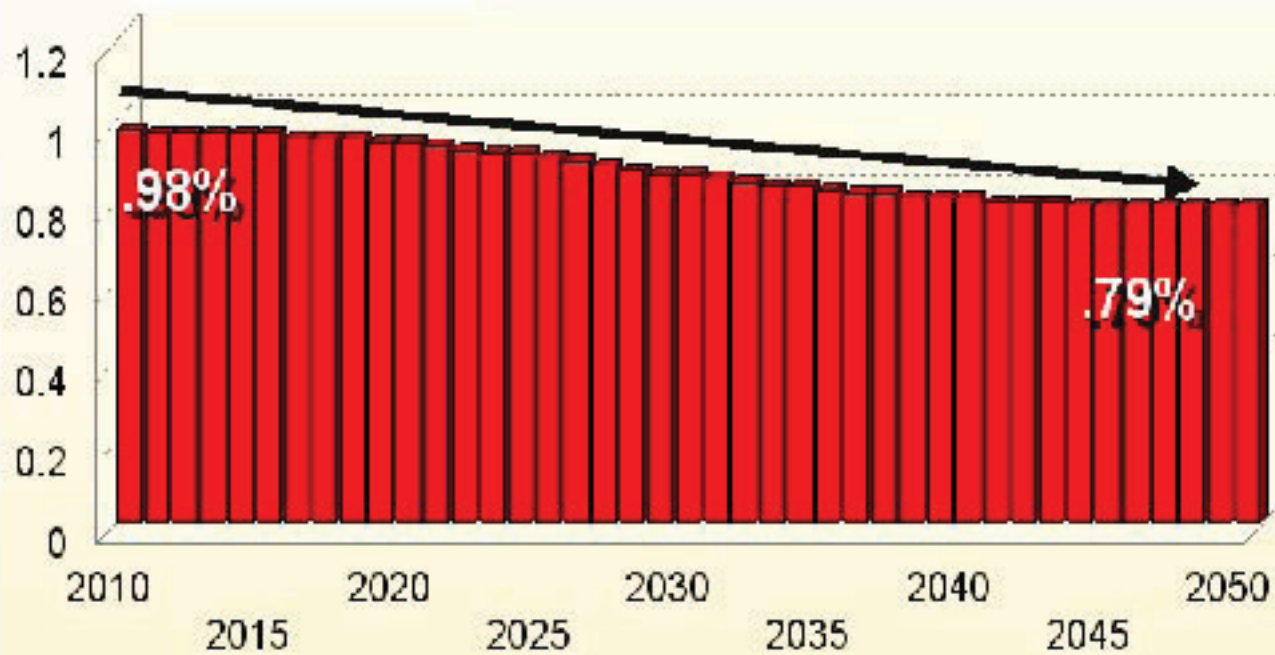
The Coming Waves

Despite slowing fertility rates, the population will increase about 3.2 Million per year through 2050



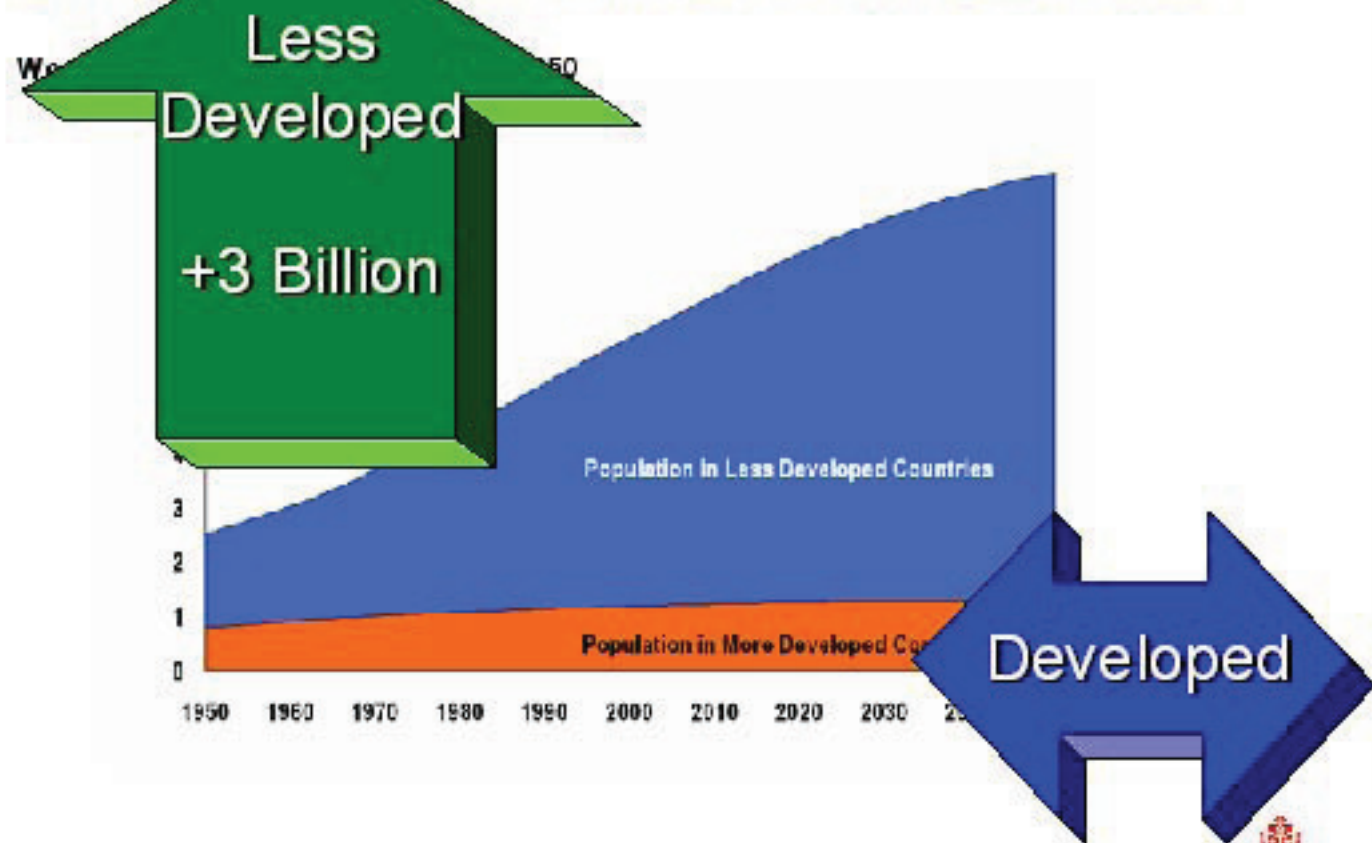
The Coming Waves

The Rate of Population Growth will slow down to less than 1% per year through 2050



The Coming Waves

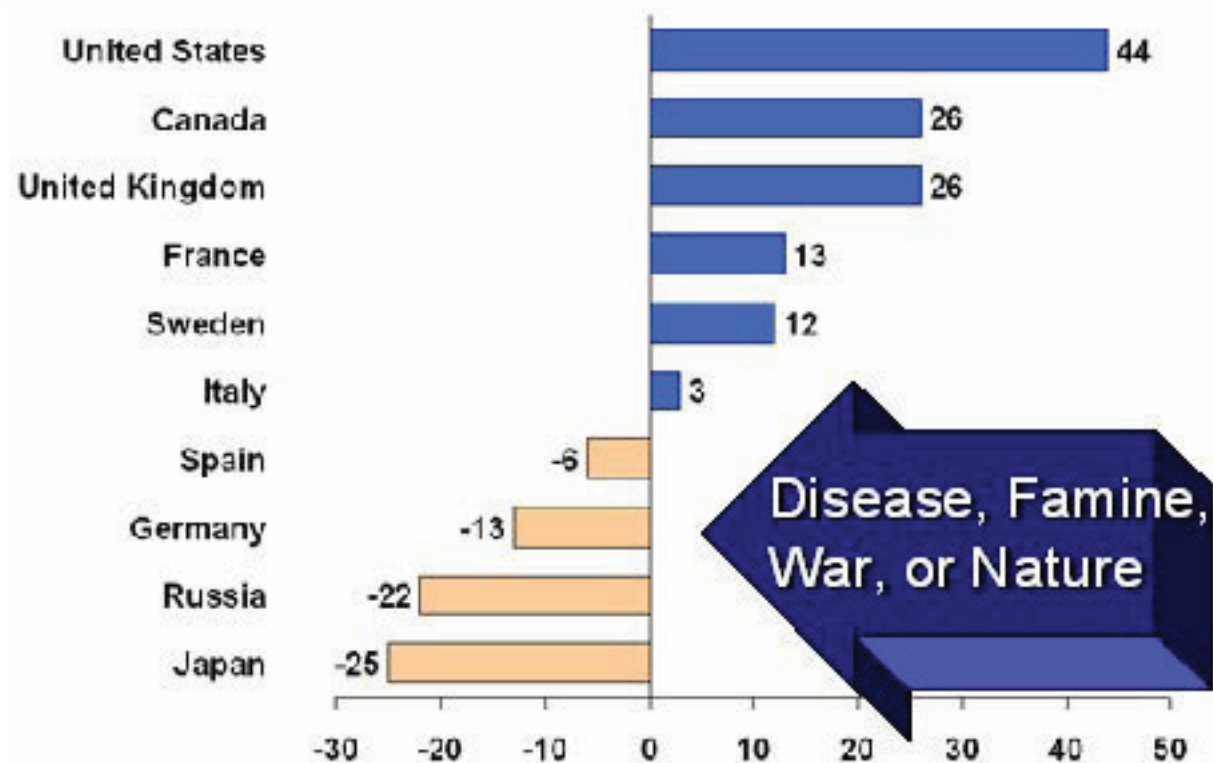
World Population Growth Is Almost Entirely Concentrated in the World's Poorer Countries.



The Coming Waves

The U.S. Continues to lead the Developed Countries of the World in Population Growth

Percent Change in Population, Selected Countries: 2008-2050



The Coming Waves

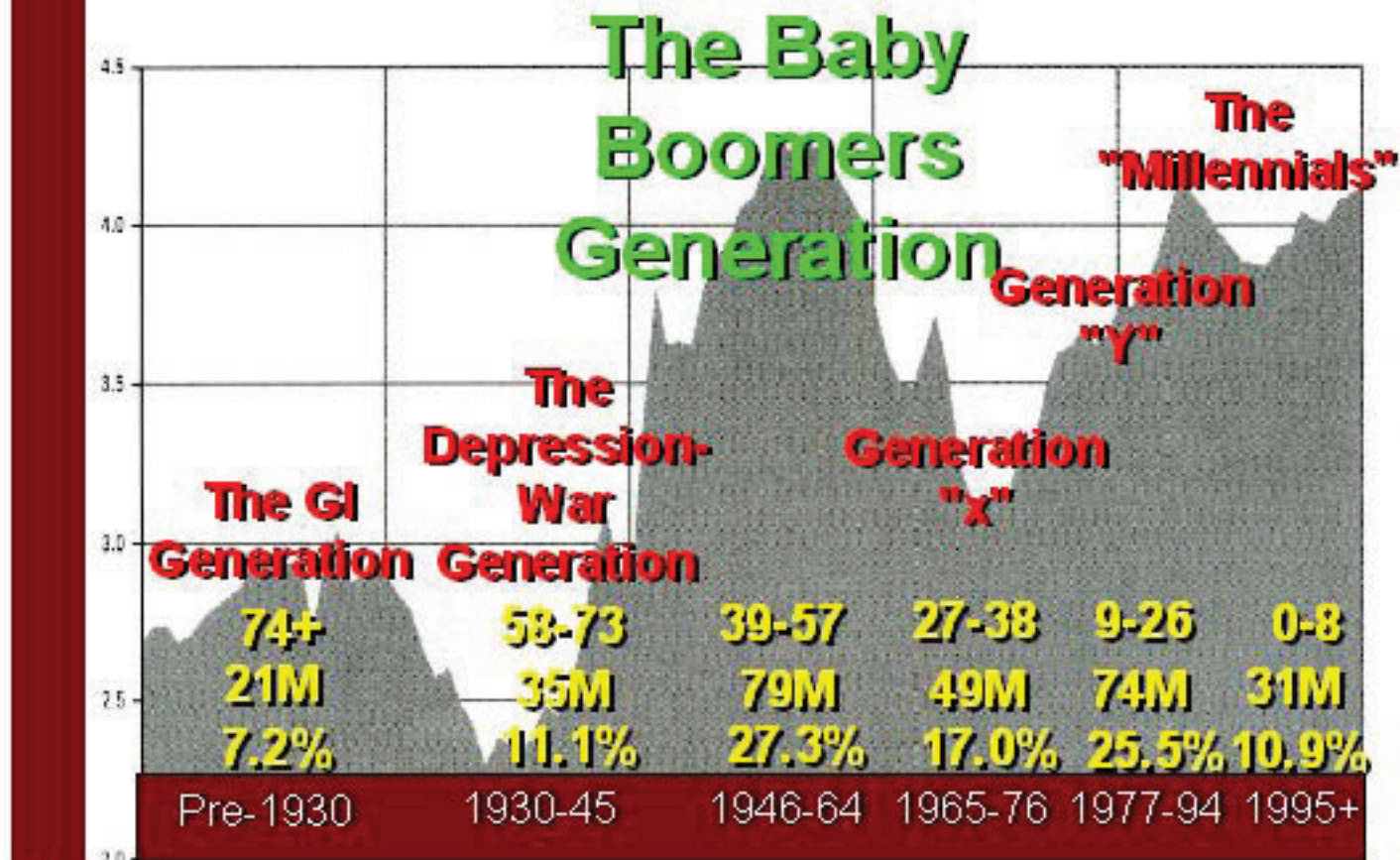
So, in spite of decreasing birth rates, the other two vital demographic ingredients--lower mortality rates and steady migration trends--leads us to an increasing population in the U.S. and in areas of the world. Less is more.

2

When
Old is
Young

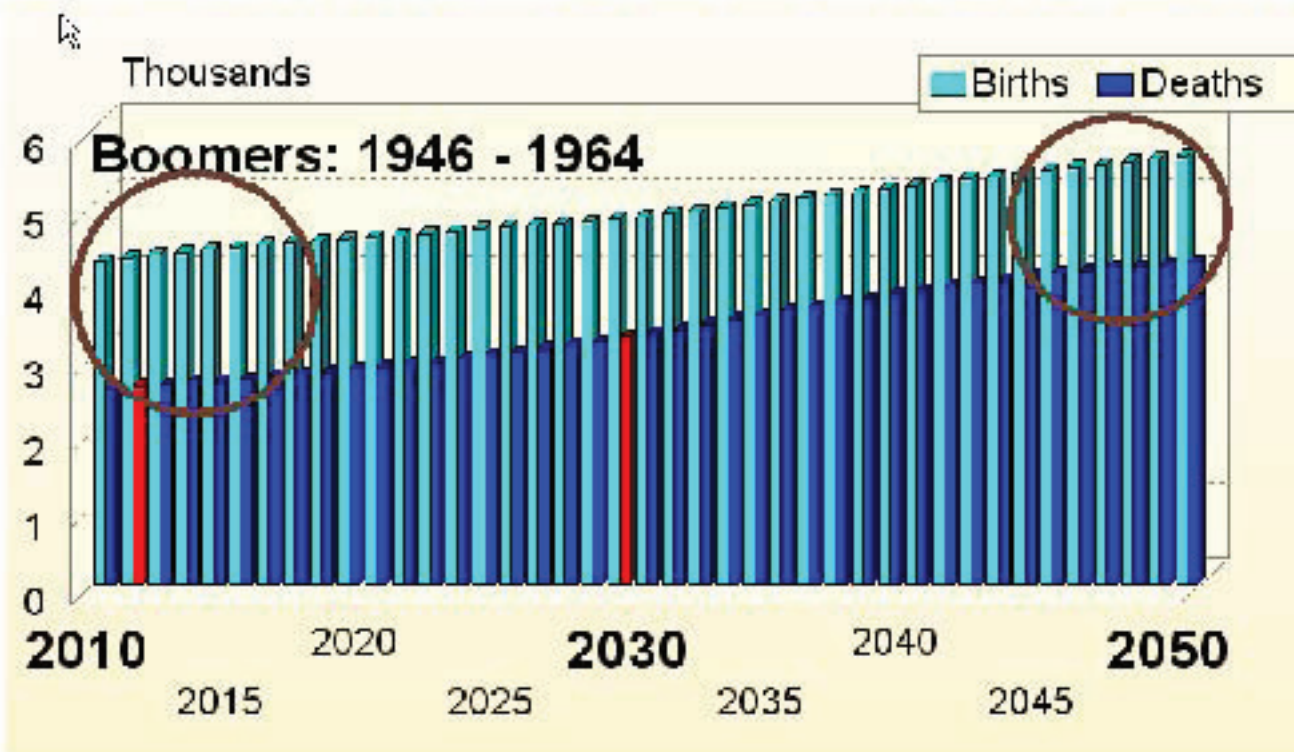
The Coming Waves

Isn't it always about the Boomers??



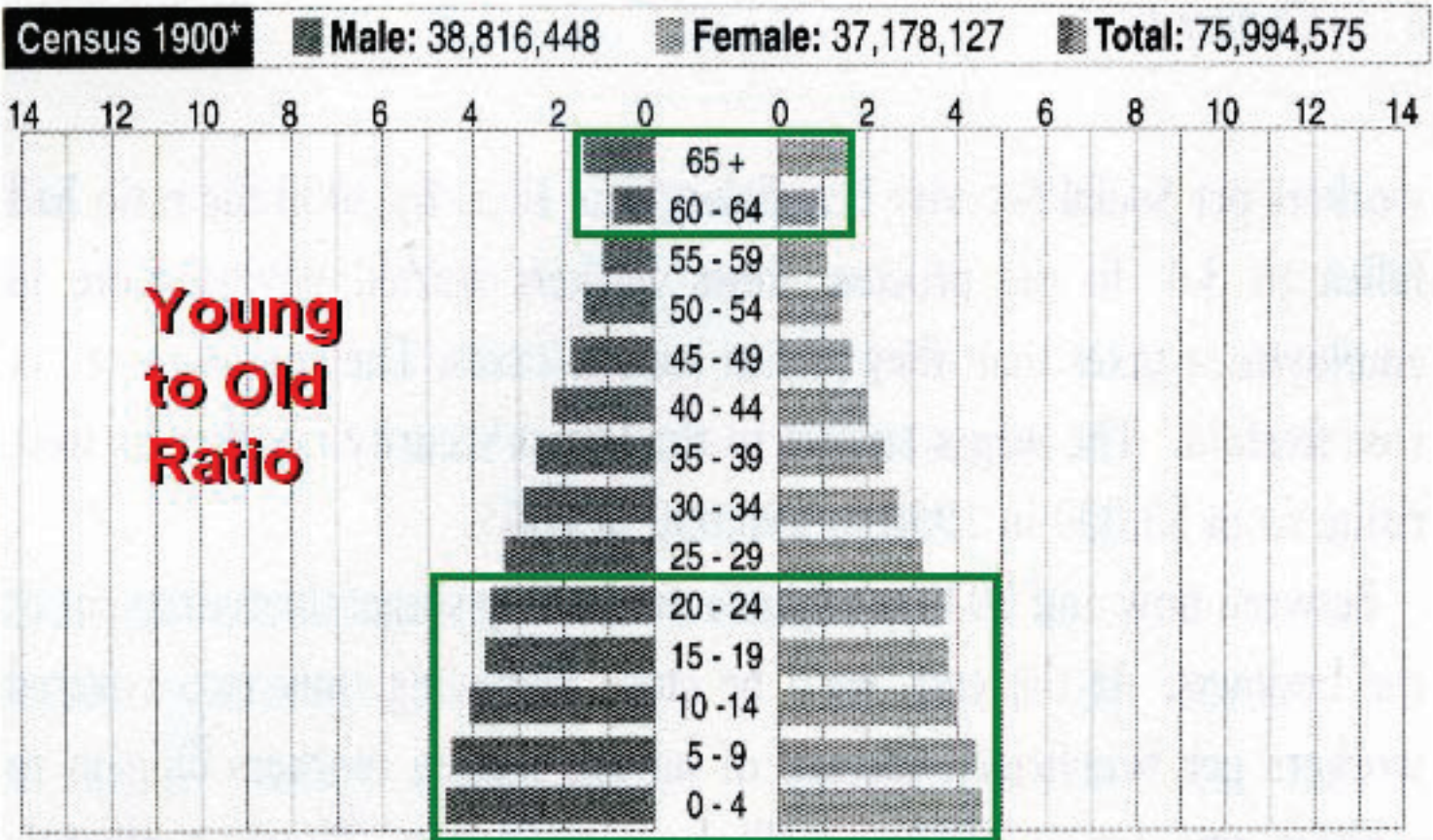
The Coming Waves

The first wave of "Boomers" begins turning 65 in 2011. The last set of "Boomers" reach 65 in 2031.



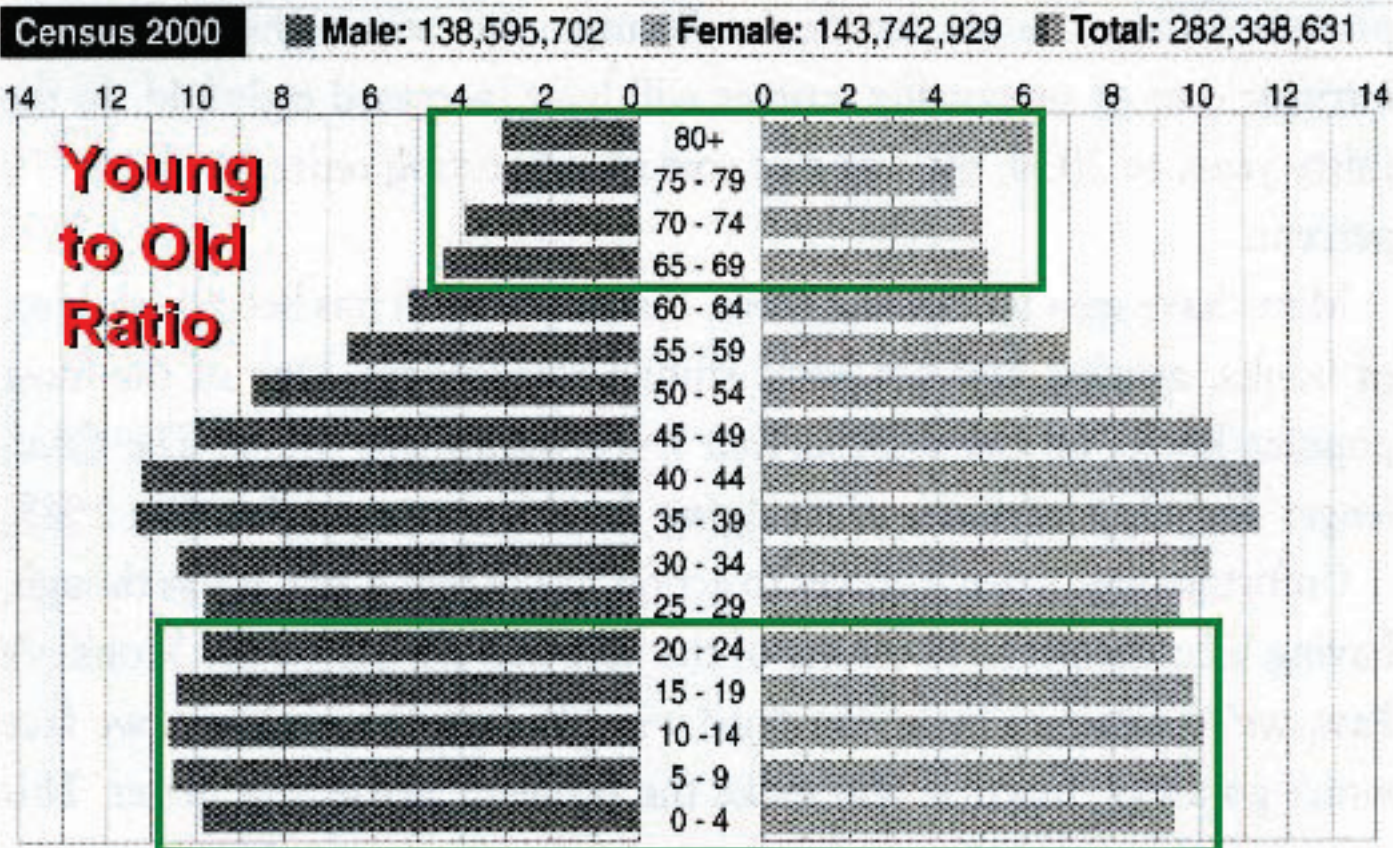
The Coming Waves

The Age Pyramid: 1900



The Coming Waves

The Age Pyramid: 2000

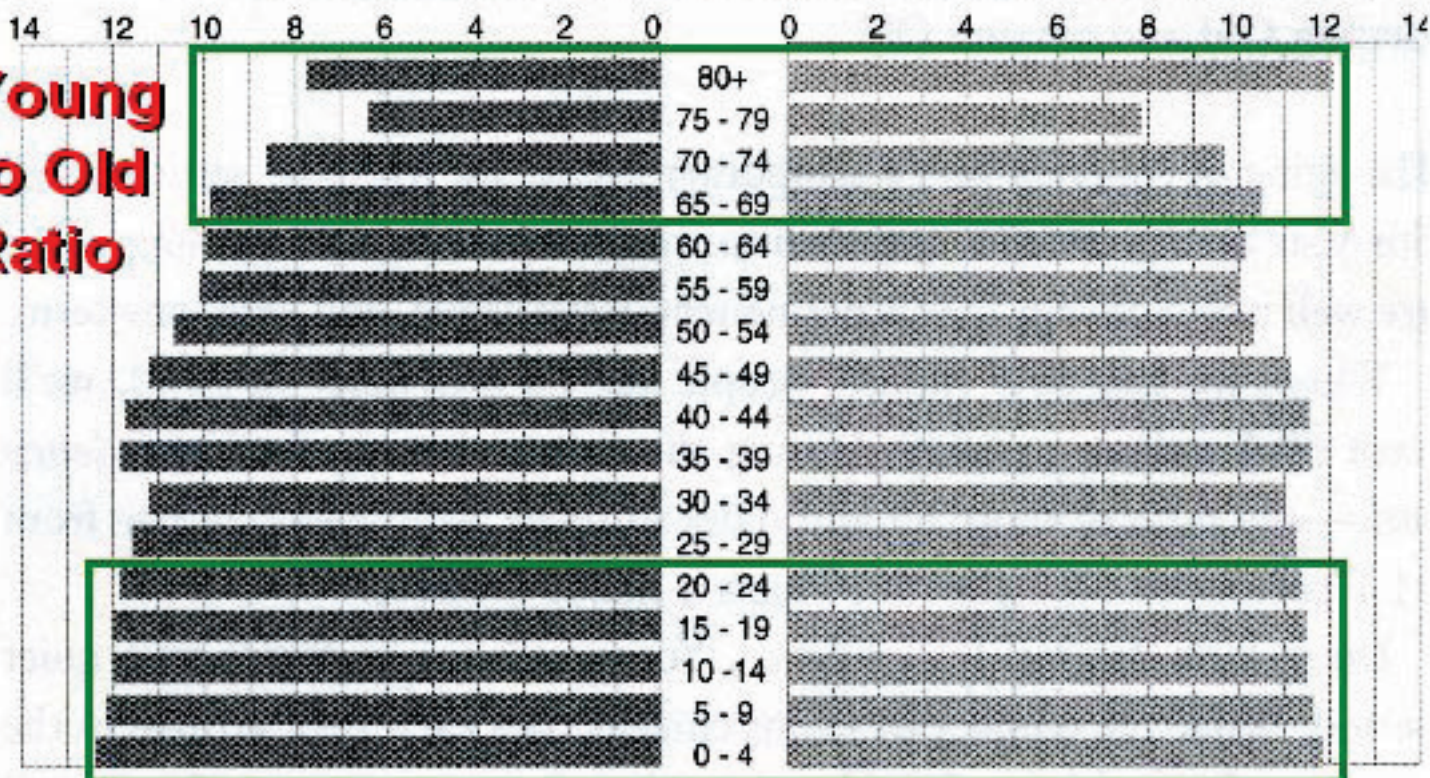


The Coming Waves

The Age Pyramid: 2030

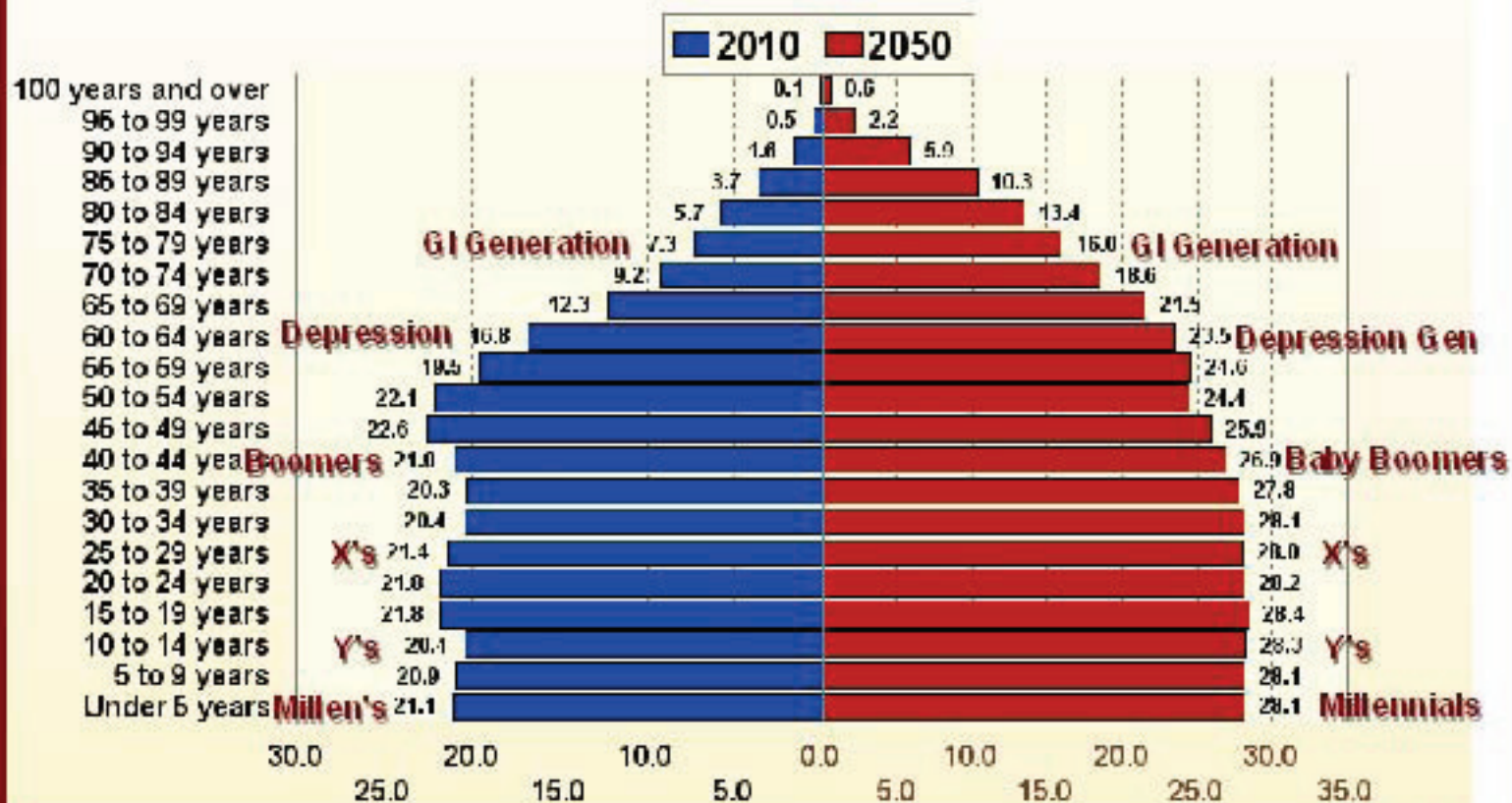
Census 2030** Male: 178,758,293 Female: 185,053,142 Total: 363,811,435

**Young
to Old
Ratio**



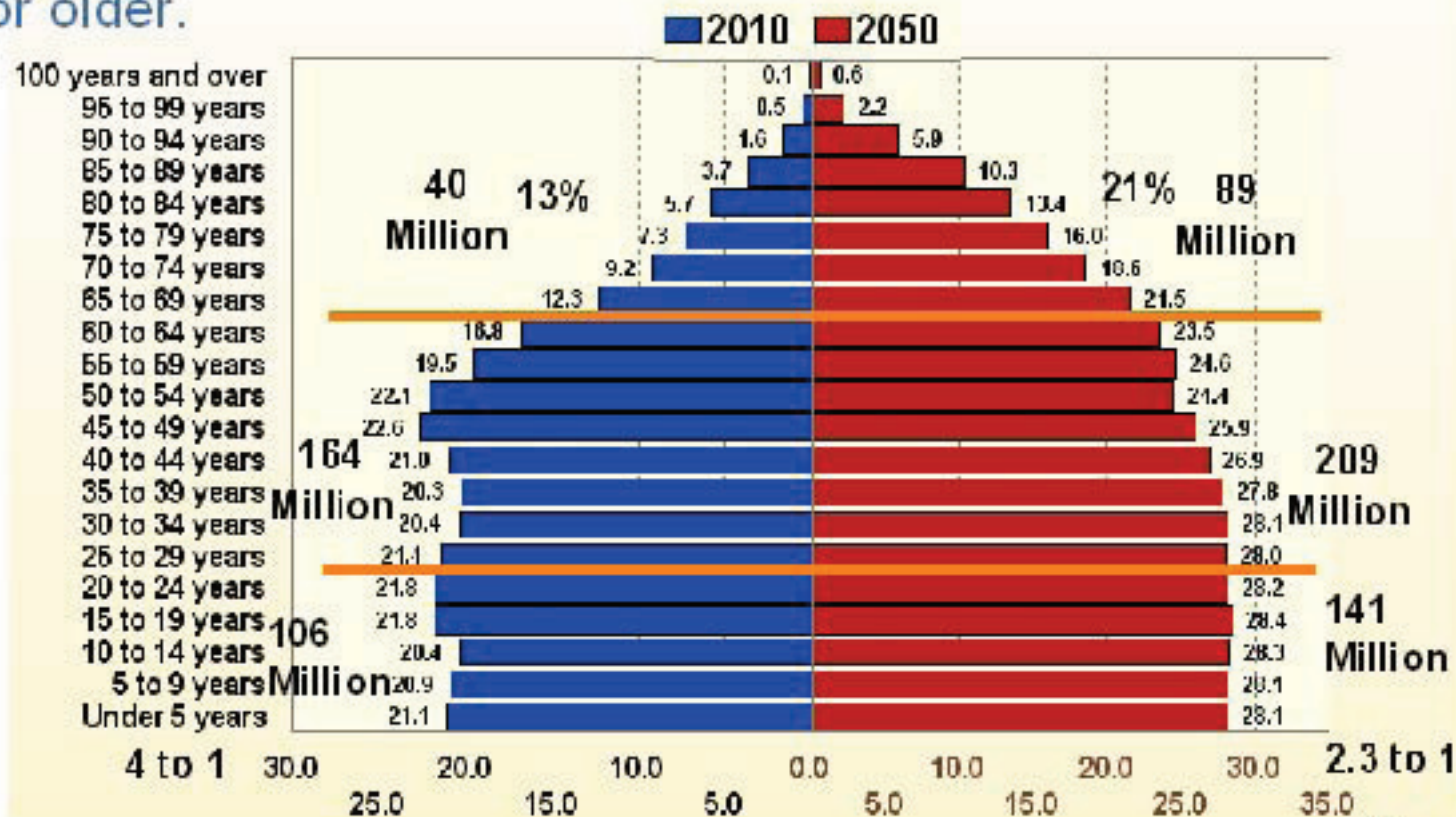
The Coming Waves

The Distribution of the Population "Pyramid" shows the impact of the coming demographic changes



The Coming Waves

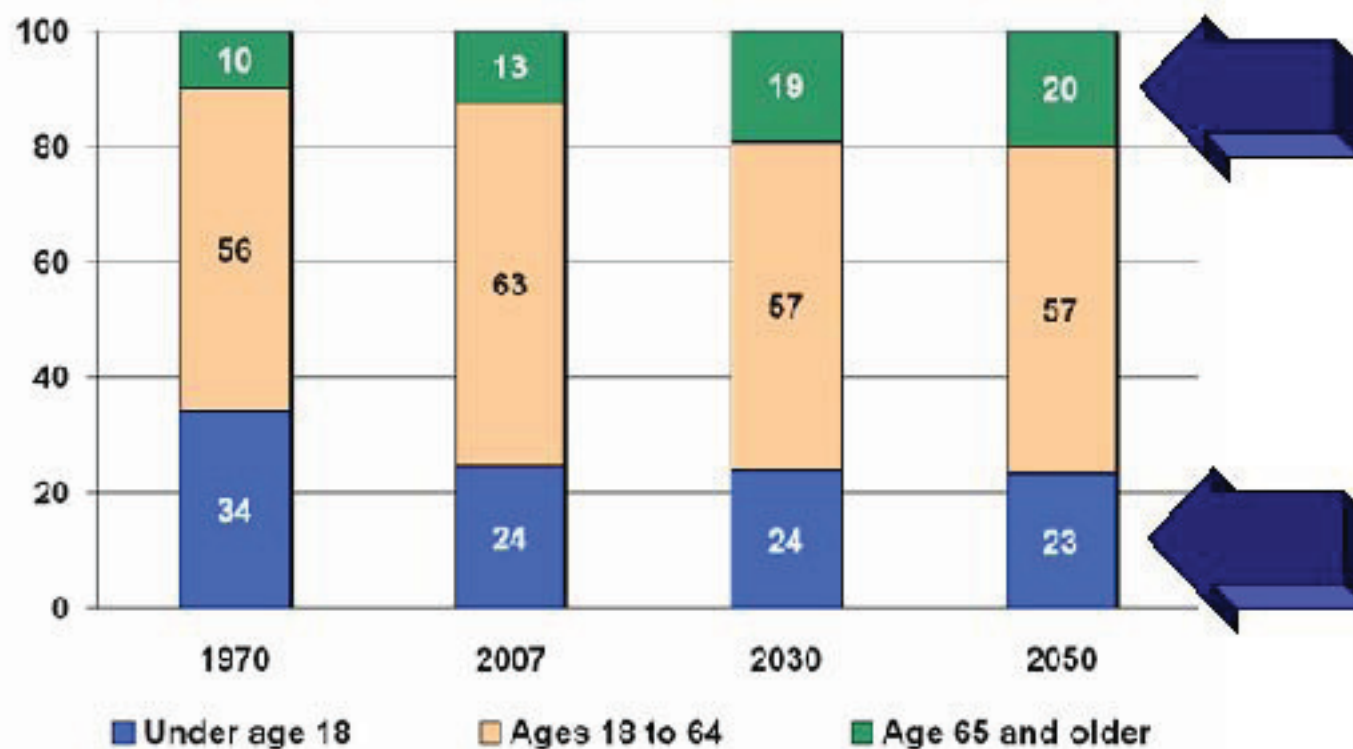
The Population Pyramid illustrates the "wave" awaiting the U.S. in the future. Almost 90 million Americans will be 65 or older.



The Coming Waves

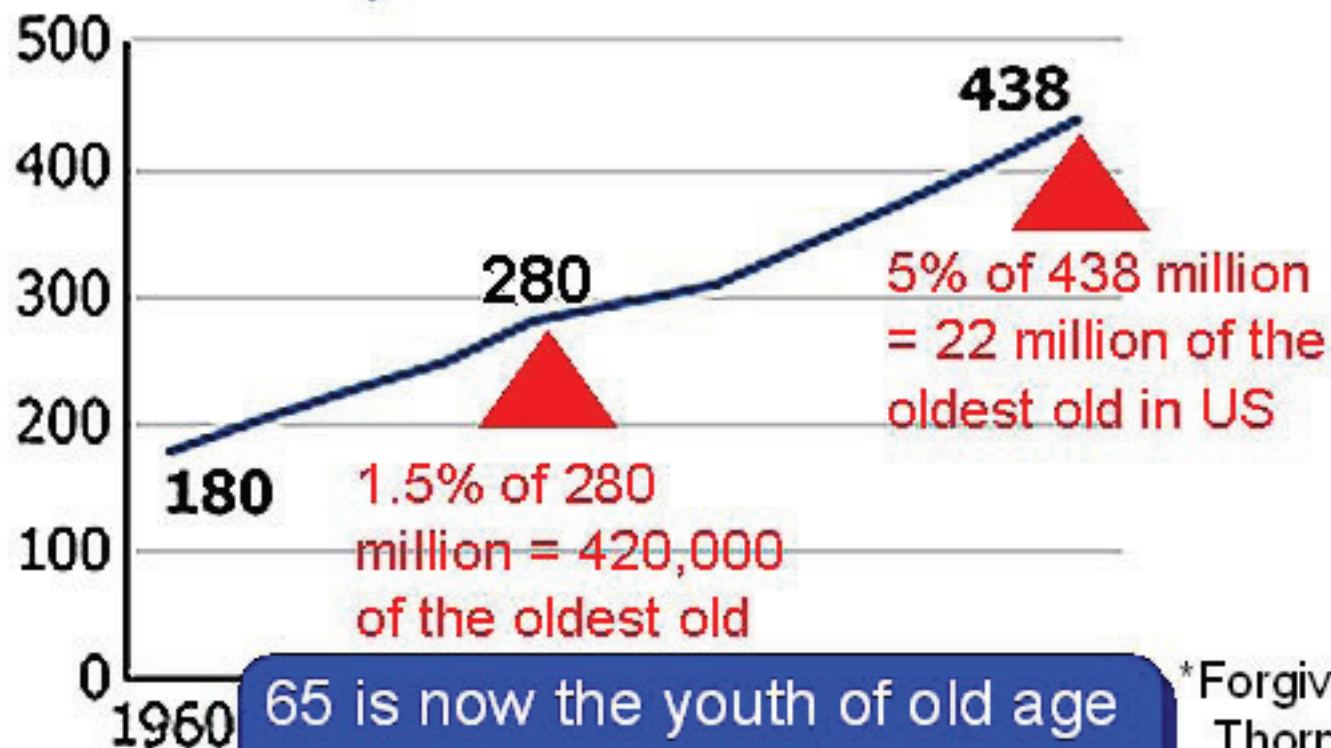
The Population over 65 will Approximate the Under 18 population in 2050

Percent of U.S. Population in Selected Age Groups: 1970-2050



The Coming Waves

The **Over 85** population will be the largest in the history of the United States



5% of 438 million
= 22 million of the
oldest old in US

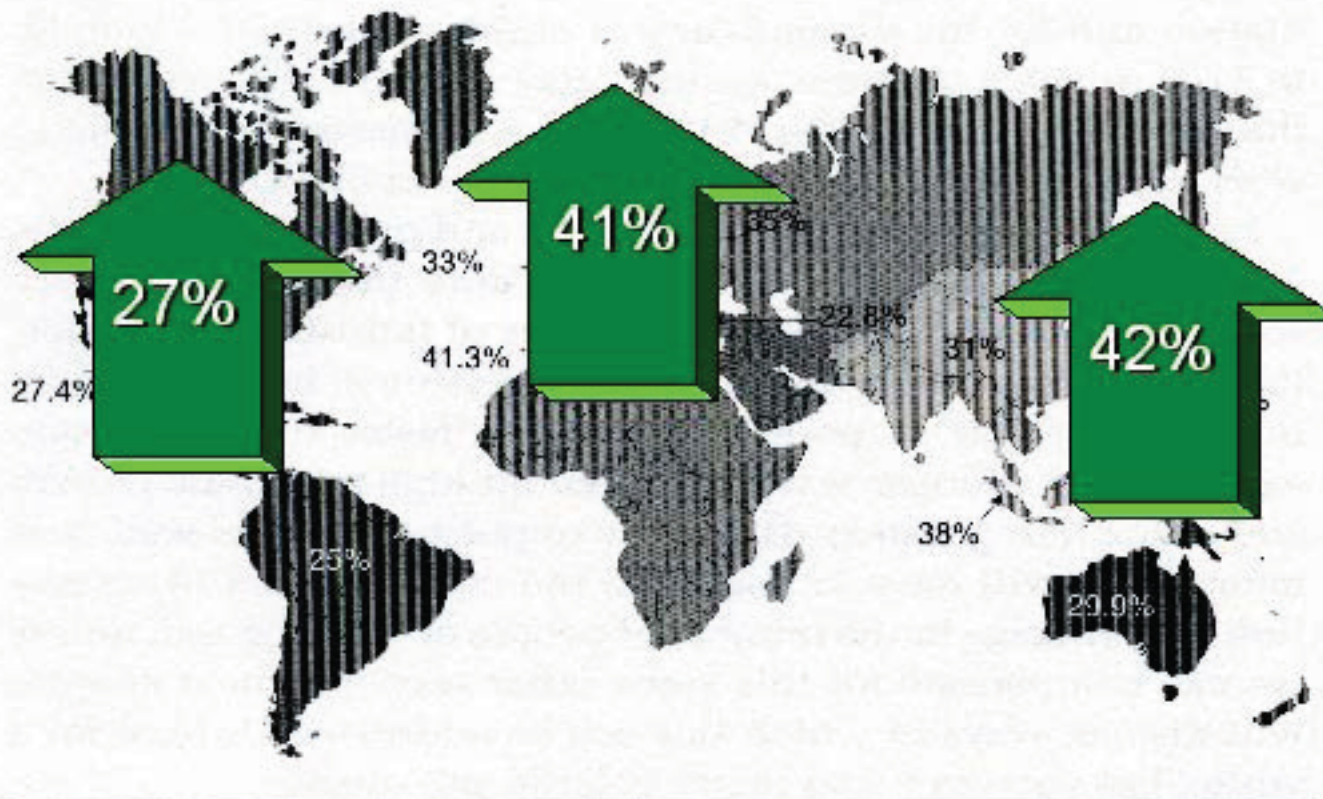
1.5% of 280
million = 420,000
of the oldest old

65 is now the youth of old age
and the old age of youth.*

*Forgive me
Thornton
Wilder

The Coming Waves

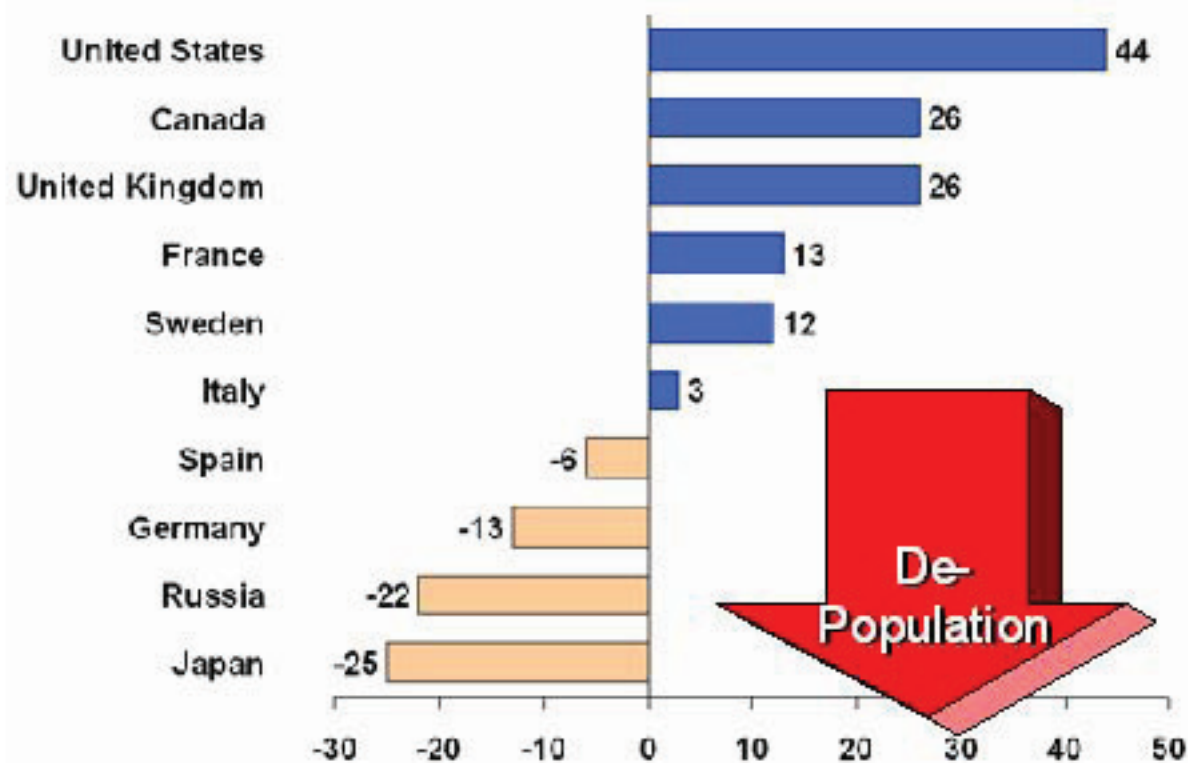
Percent of Over 65 Population World-wide, 2050



The Coming Waves

In the critical area of jobs, some developed nations face potential critical worker shortages

Percent Change in Population, Selected Countries: 2008-2050



The Coming Waves

The Percent Growth of the U.S. Working-Age Population will become smaller toward 2050.



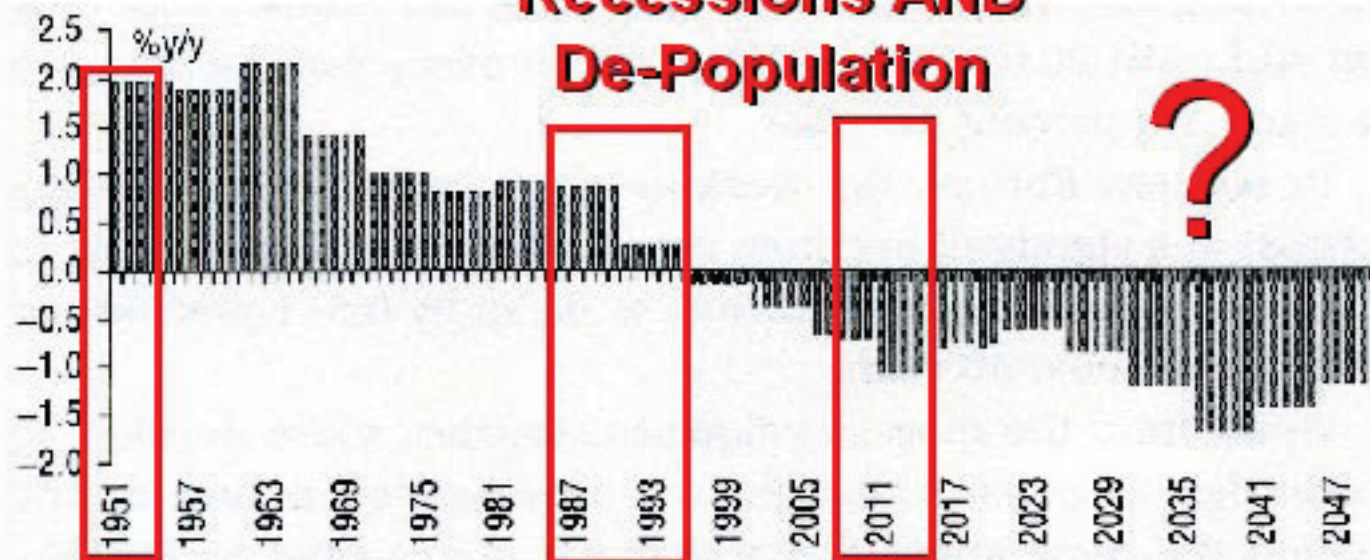
The Coming Waves

The Percent Growth of the Working-Age Population in Japan (and the European Continent) will actually be negative toward 2050.

Japan

Job-Loss

**Recessions AND
De-Population**



The Coming Waves

"The elements of building a nation with only young workers is over. The definitions and social implications of the current age norms of this past century will be replaced by an entirely new set of conditions upon how we view age and work in this country."

George Magnus, The Age of Aging

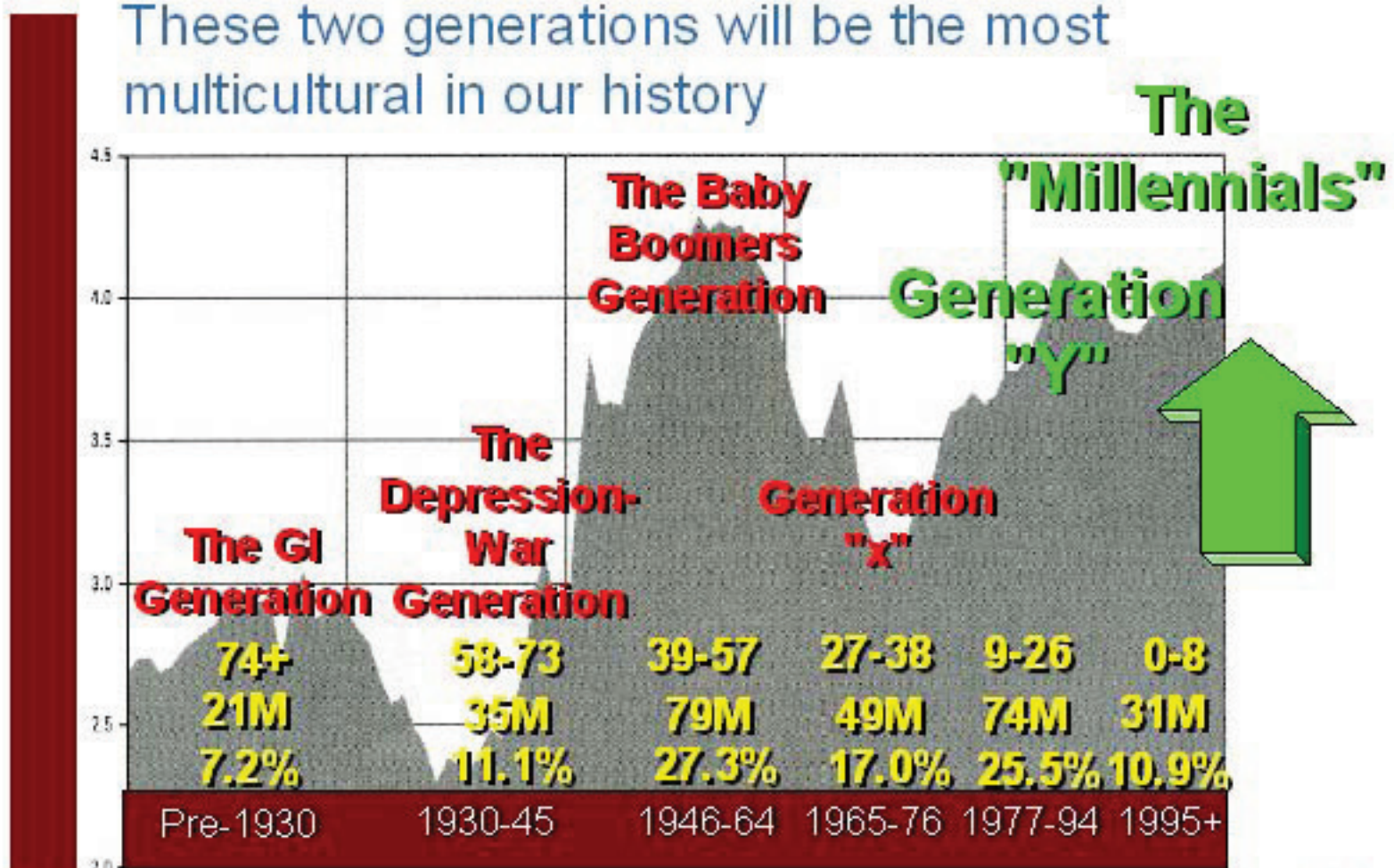


3

When
Minor is
Major

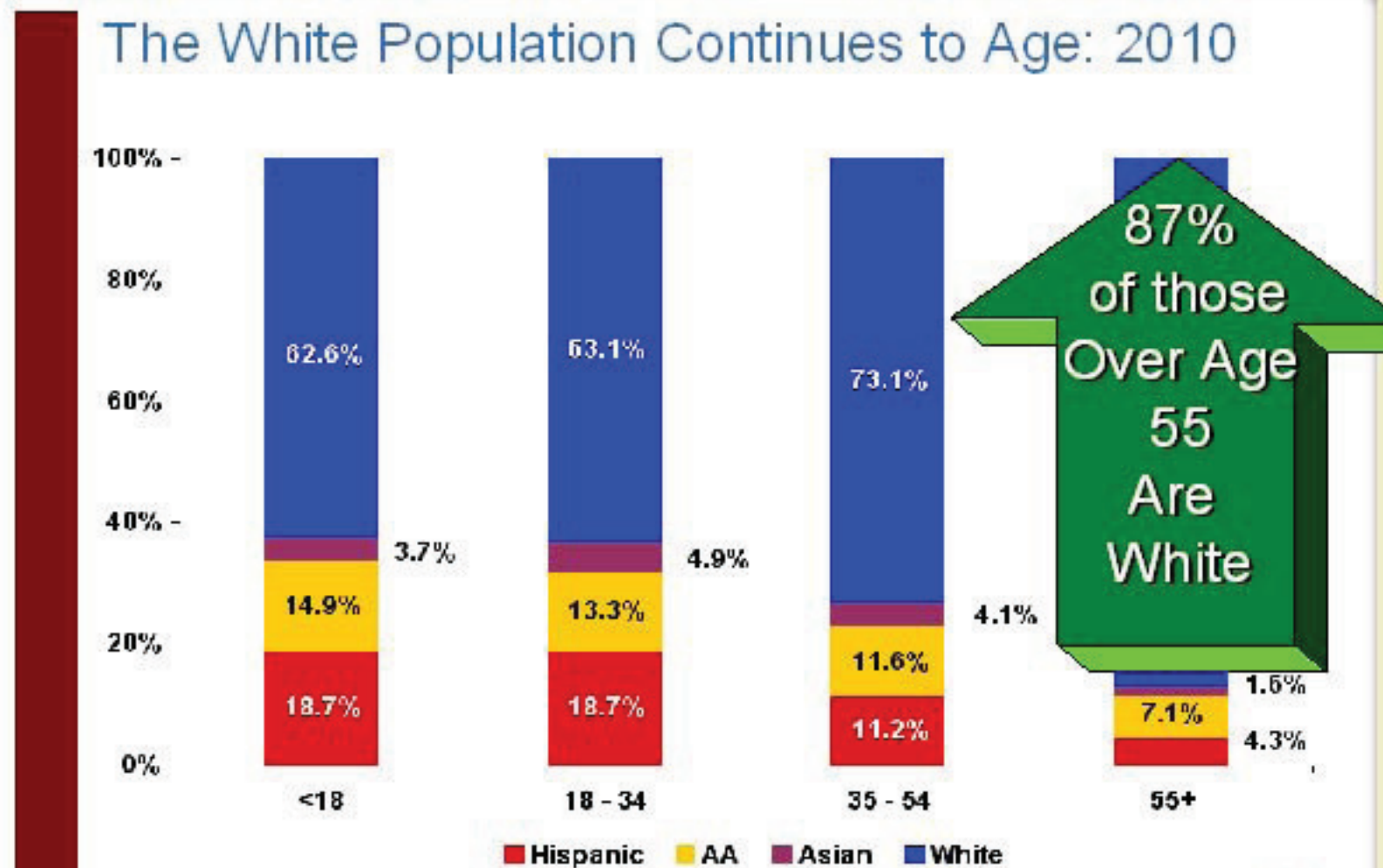
The Coming Waves

These two generations will be the most multicultural in our history



The Coming Waves

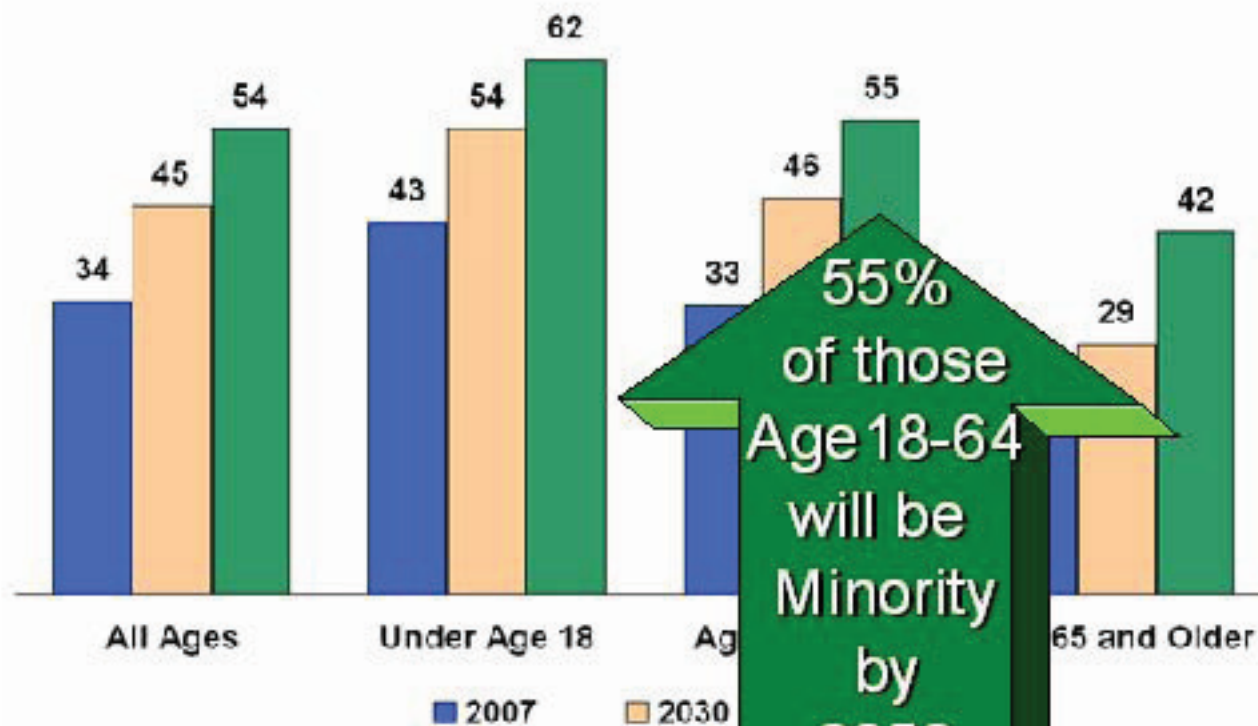
The White Population Continues to Age: 2010



The Coming Waves

The Minority Population will be the Majority Population by 2050 for those under 64 years old.

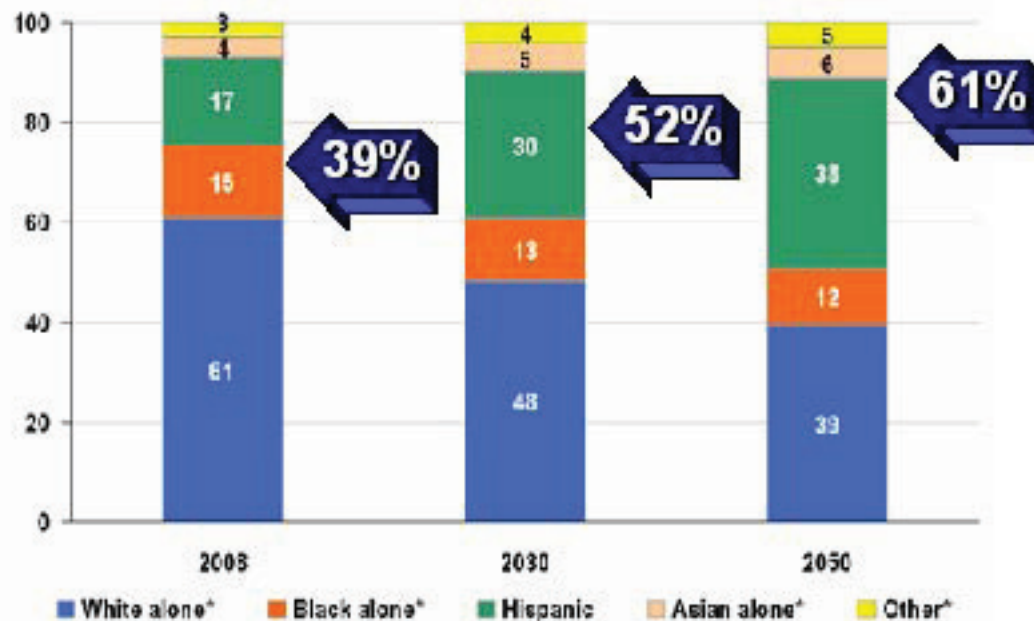
Percent of the U.S. Population That Is Minority, by Age Group: 2007-2050



The Coming Waves

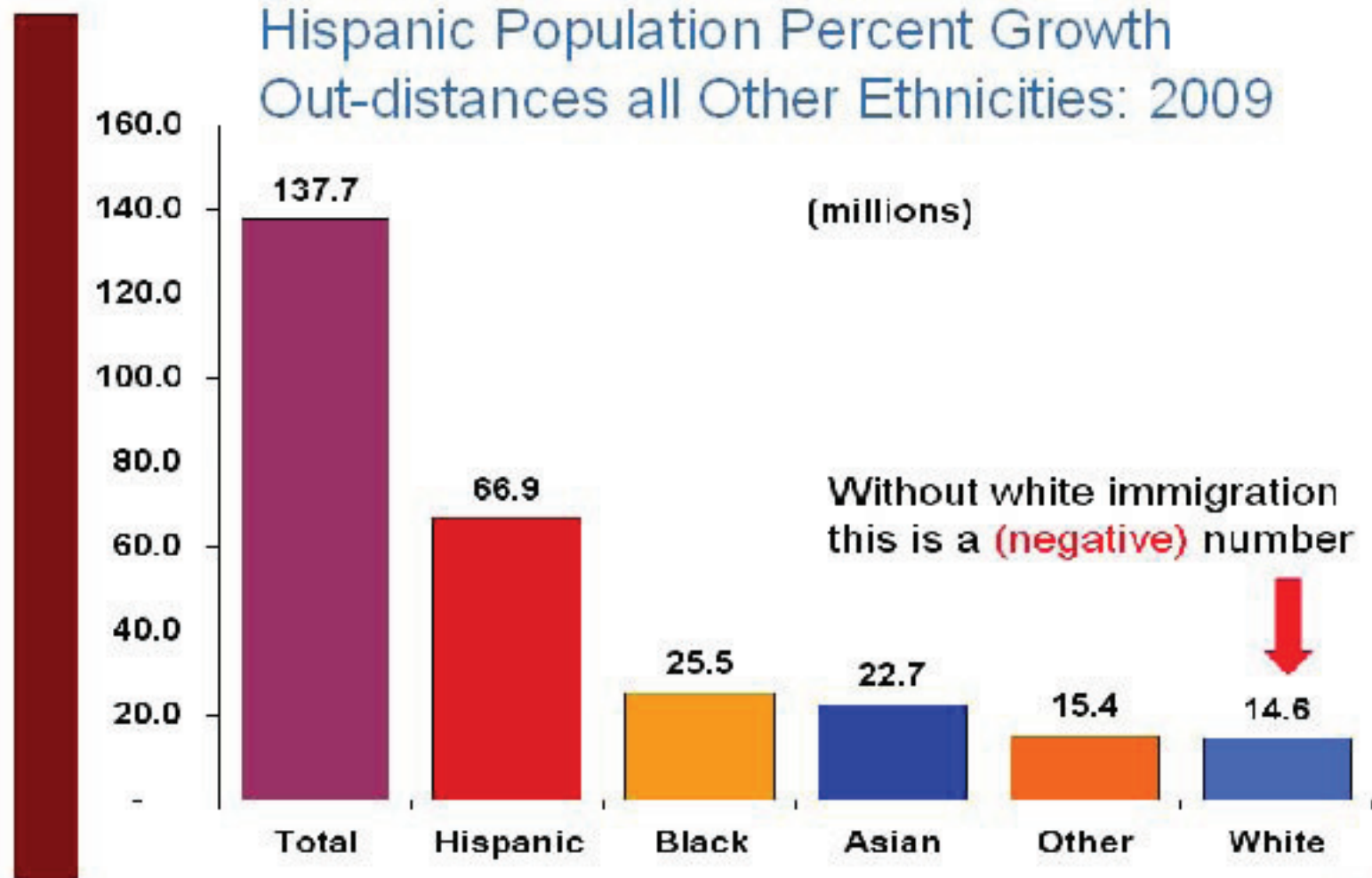
By 2030, More Than Half of all Youth Will Be Members of a Racial or Ethnic Minority.

Percent of Youth Ages 15-24, United States: 2008, 2030, and 2050

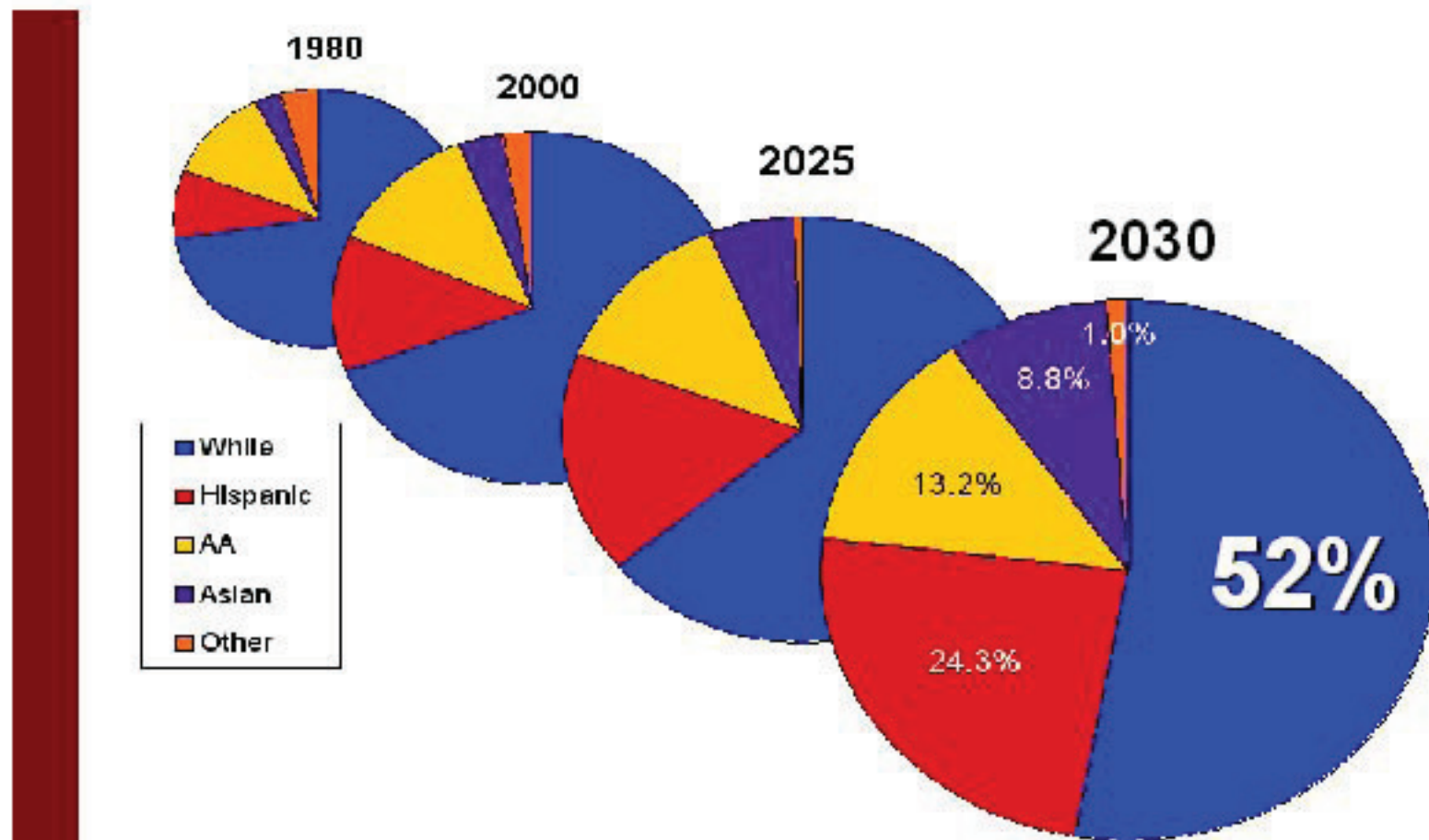


The Coming Waves

Hispanic Population Percent Growth Out-distances all Other Ethnicities: 2009

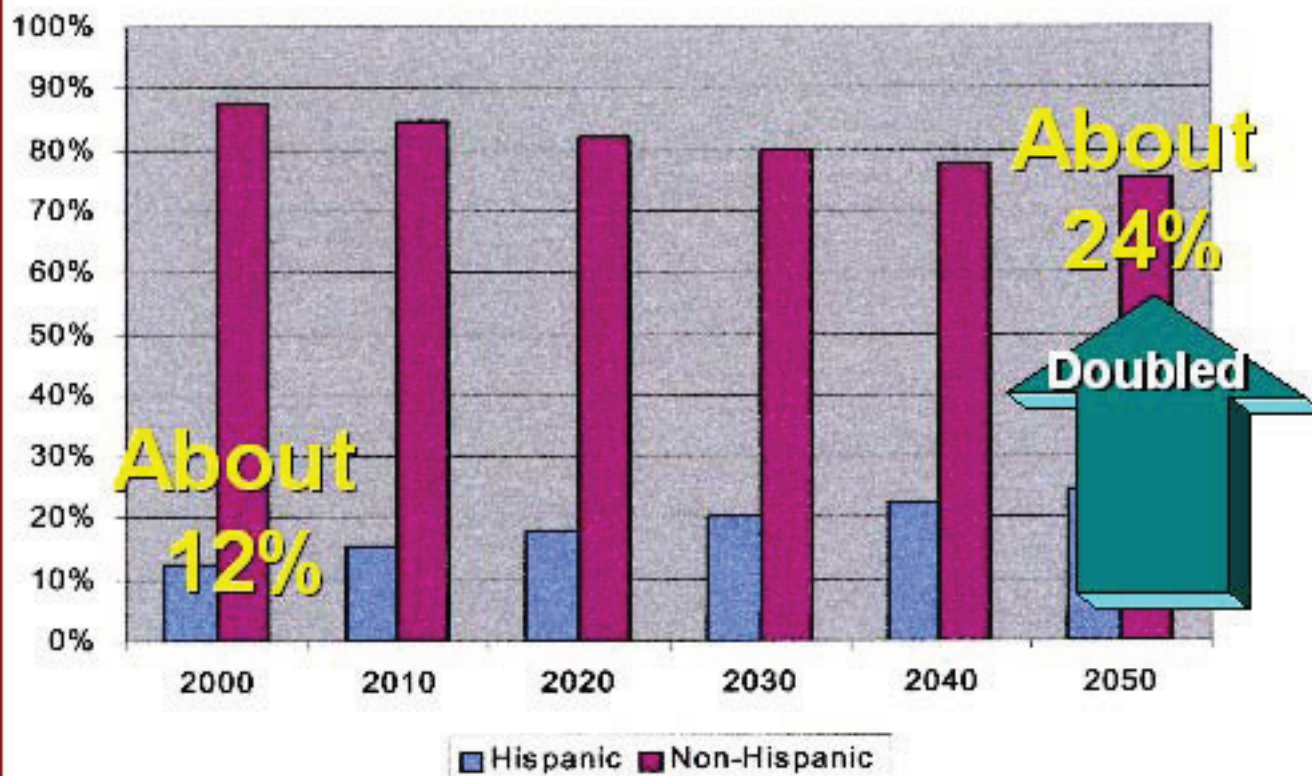


The Coming Waves



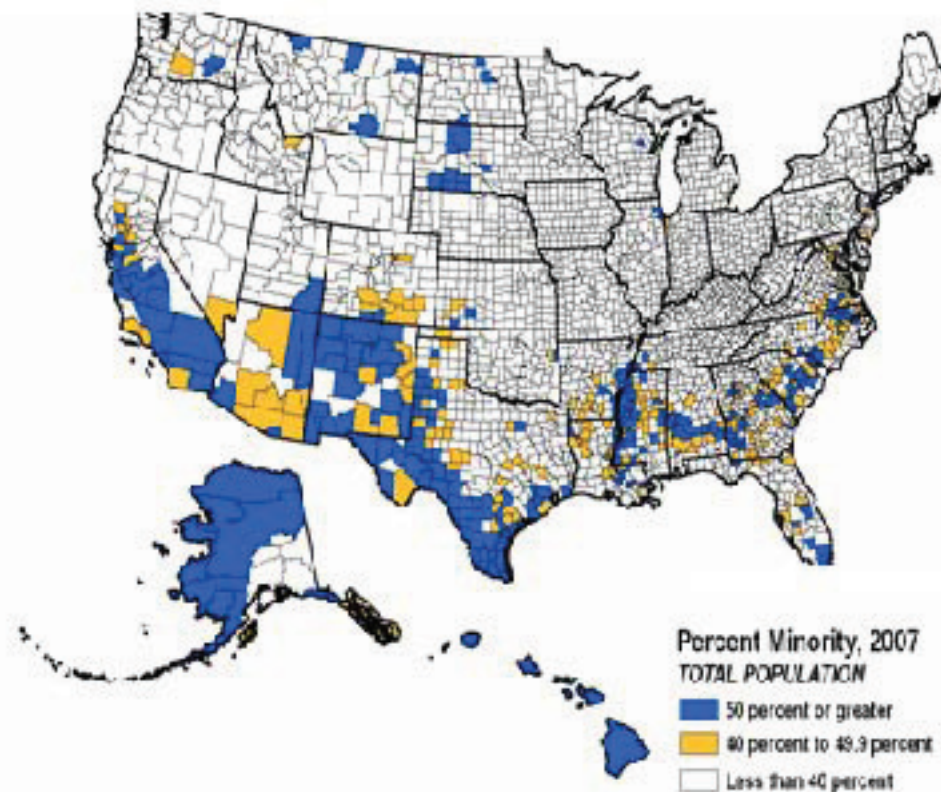
The Coming Waves

The Hispanic Population as Percent of Total of the Population will be doubled.



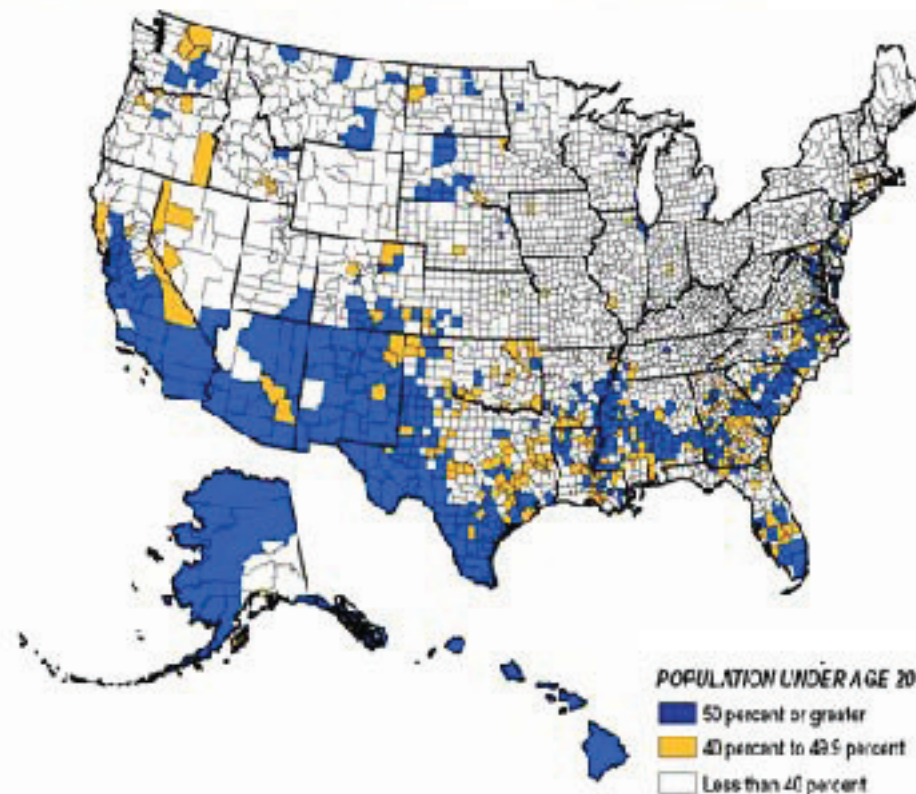
The Coming Waves

U.S. Counties at or Nearing Majority-Minority Status: 2009 Total Population



The Coming Waves

U.S. Counties at or Nearing Majority-Minority Status: 2009 Under 20 Population



The Coming Waves

Summary of Hispanic Population Trends

- Over the last census period the **Hispanic population grew 57%**, vs. 13% for the general population
- Over the past two years **1/2 the population growth** in the U.S. was Latino
- Not counting Puerto Rico, there are **43 million Hispanics** in this country
- There are an estimated **4 - 6 million undocumented Hispanics** and close to 4 million in Puerto Rico
- In TX, CA, NM, HI, the **non Hispanic white population is less than 50%**

A map of the Long Island Sound area, including parts of New York and Connecticut, is shown in a light orange color. The map is overlaid with large text. A large red number '4' is on the left side. The words 'The Local Trends' are written in a large, bold, blue font across the center of the map.

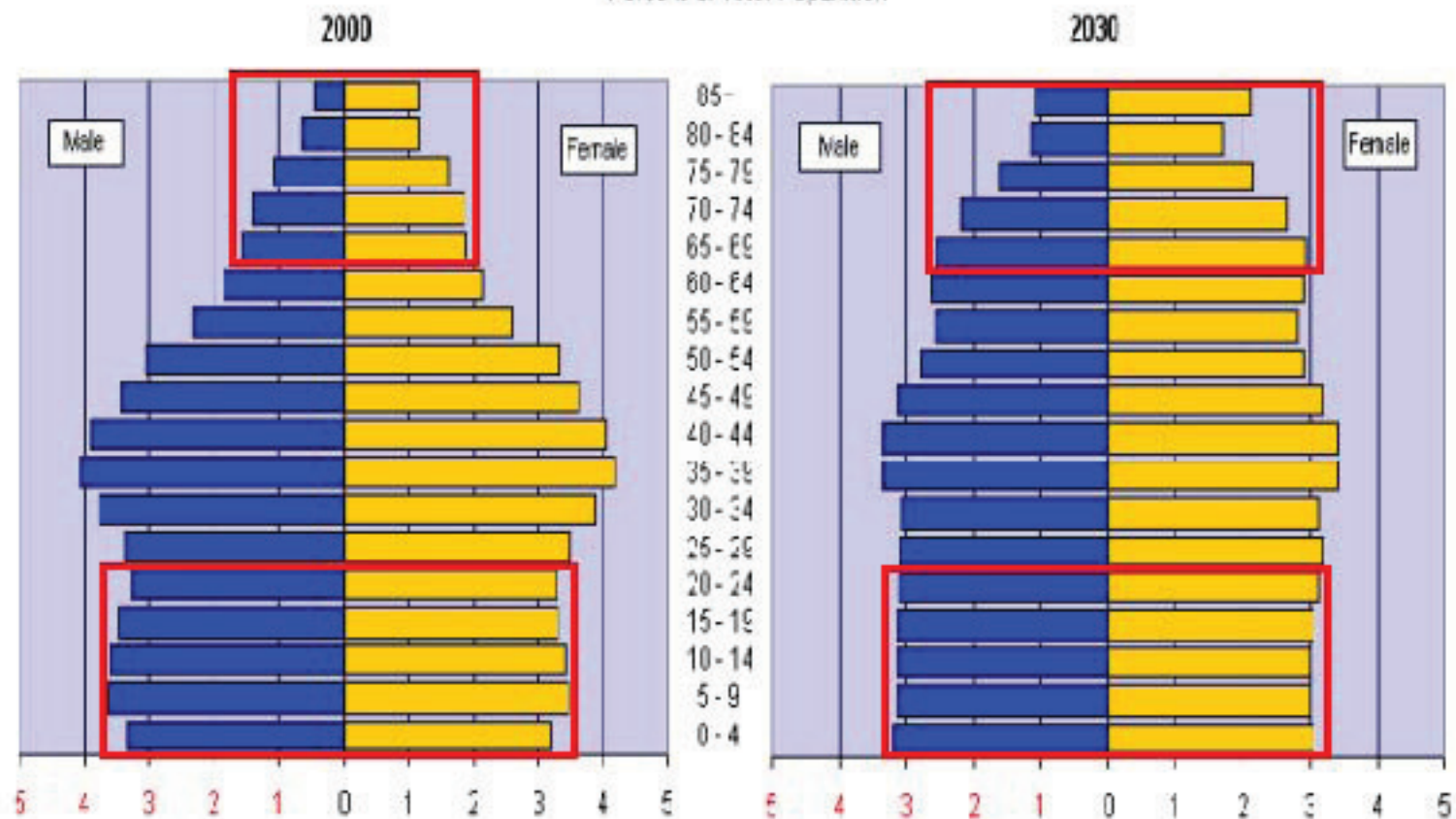
4 The Local Trends

The Coming Waves

GEO  **Tracks**

Projected State Population: 2000 - 2030

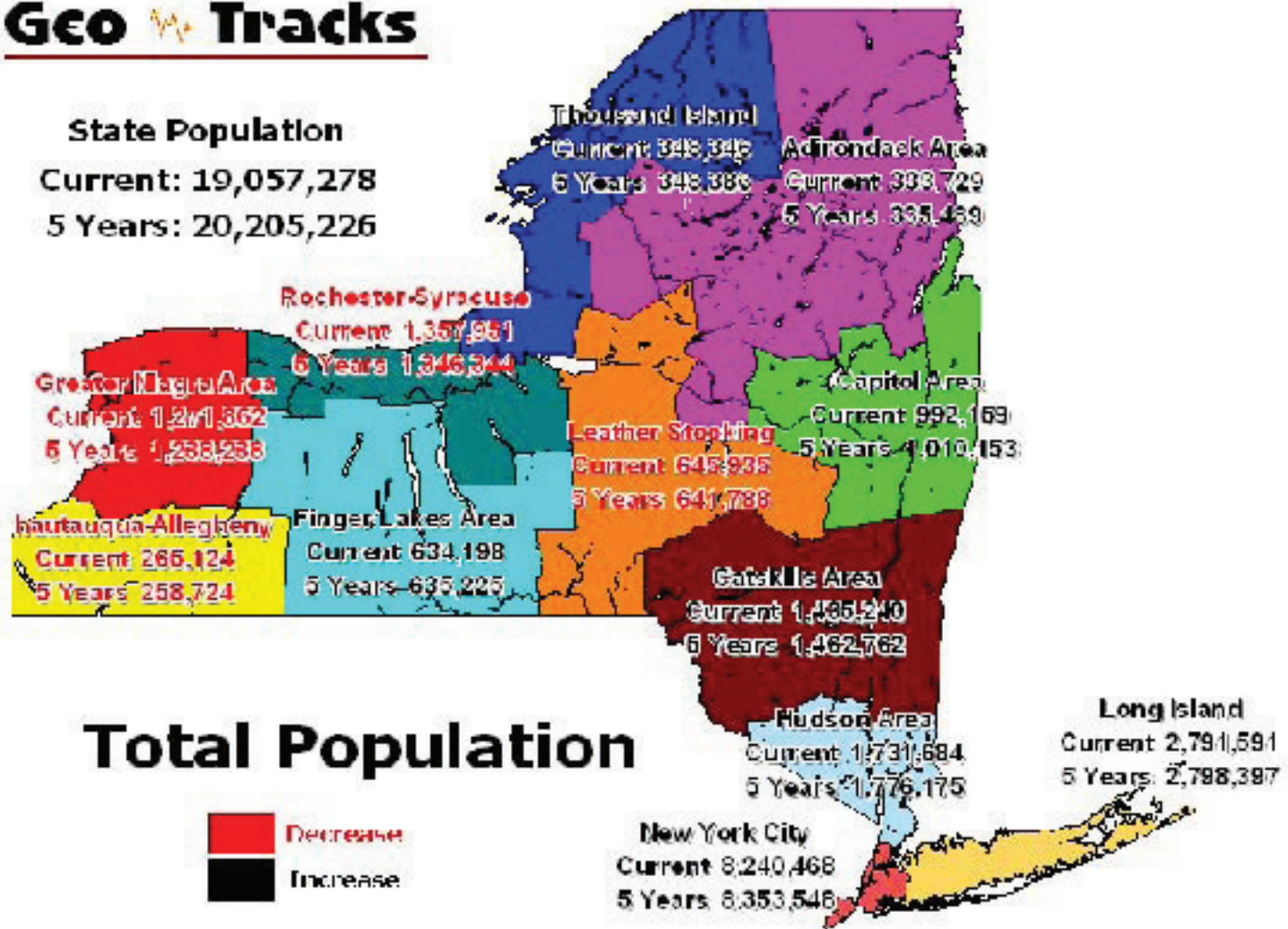
Population Pyramids of New York
Percent of Total Population



The Coming Waves

Geo Tracks

State Population
 Current: 19,057,278
 5 Years: 20,205,226



Total Population

■ Decrease
■ Increase

Source: U.S. Census; Proportionately Adjusted for District Boundaries

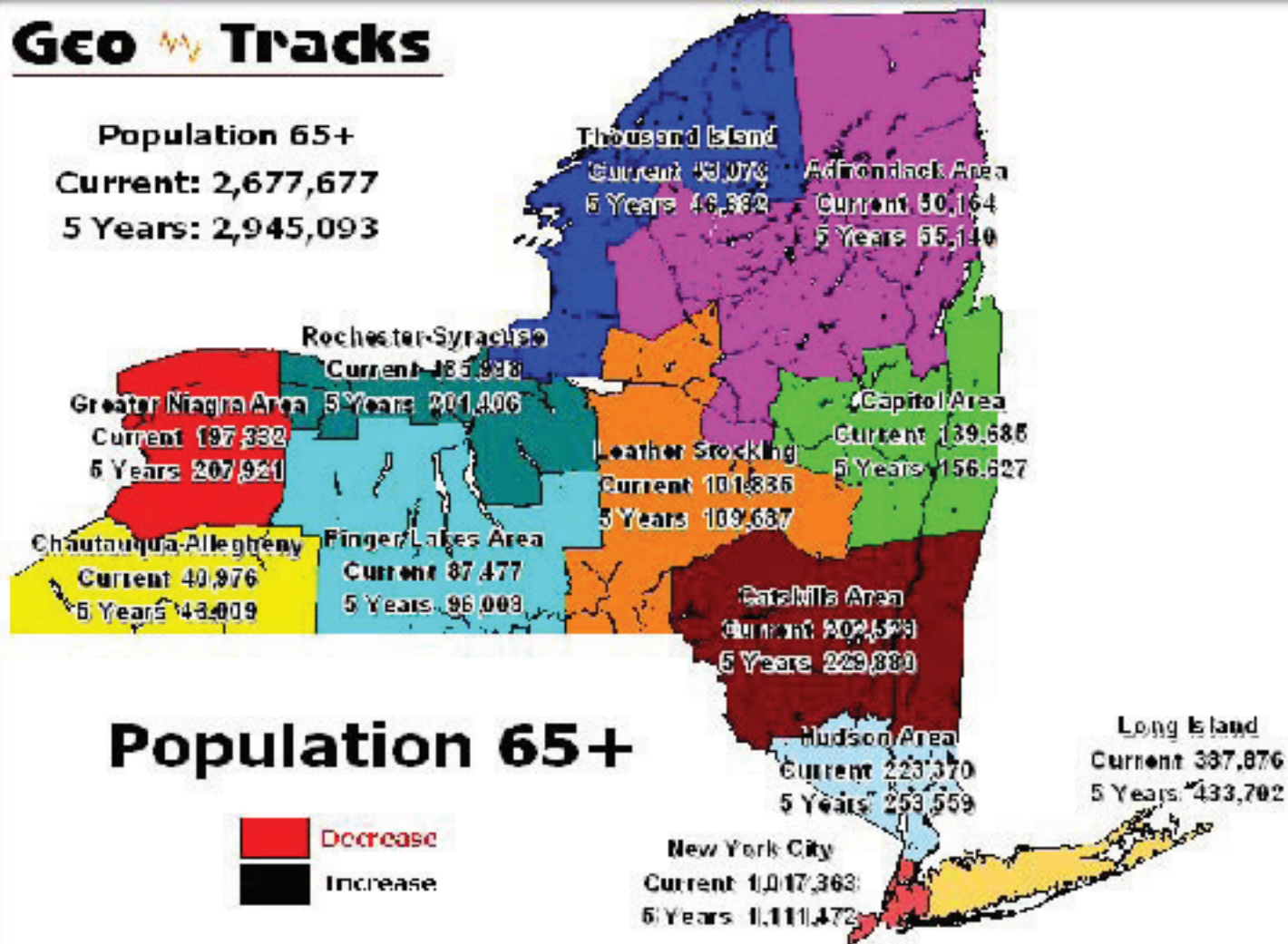


Source: Hughes, J. Geo-Tracks, SCOPE, Smithtown, NY

The Coming Waves

Geo Tracks

Population 65+
Current: 2,677,677
5 Years: 2,945,093



Source: U.S. Census, Proportionately Adjusted for Birth-Death Balances

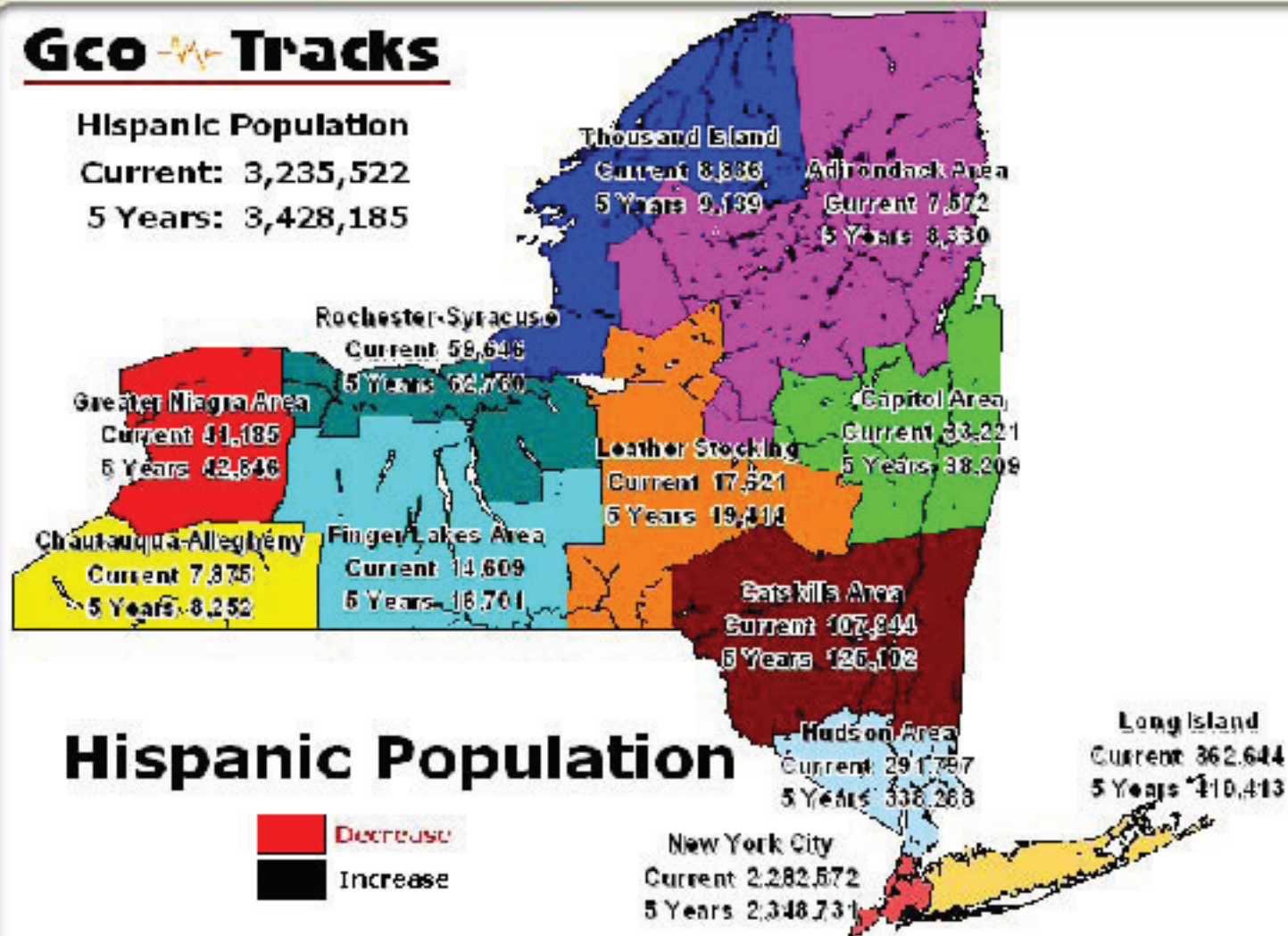
The Coming Waves

Geo-Tracks

Hispanic Population

Current: 3,235,522

5 Years: 3,428,185



Source: U.S. Census; Proportions are Aggregated for District Boundaries

SCOPE
 Education

Source: Thomas J. Geo-Tracks, SCOPE, Smithtown, NY

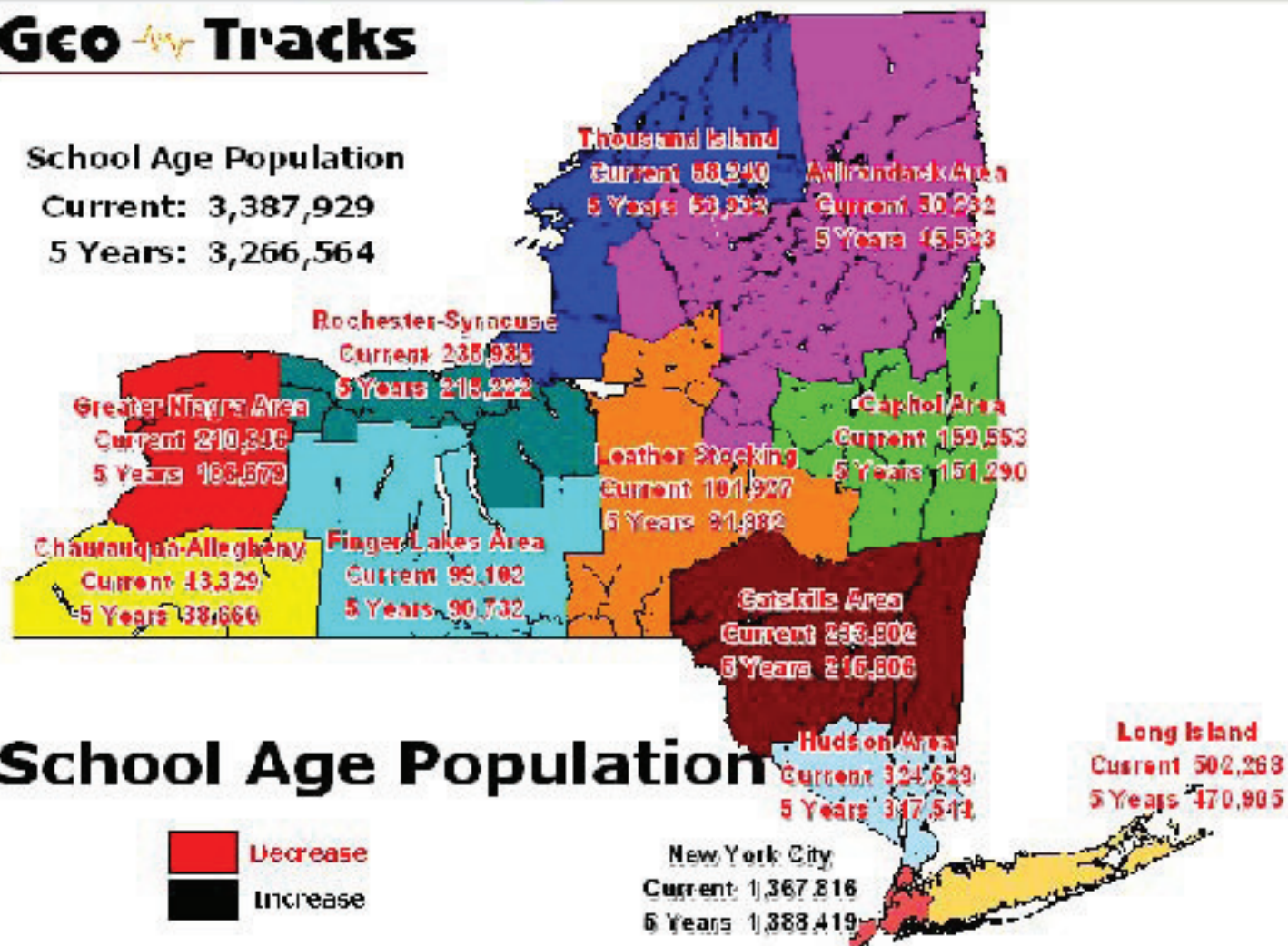
The Coming Waves

Geo *NY* Tracks

School Age Population

Current: 3,387,929

5 Years: 3,266,564



School Age Population

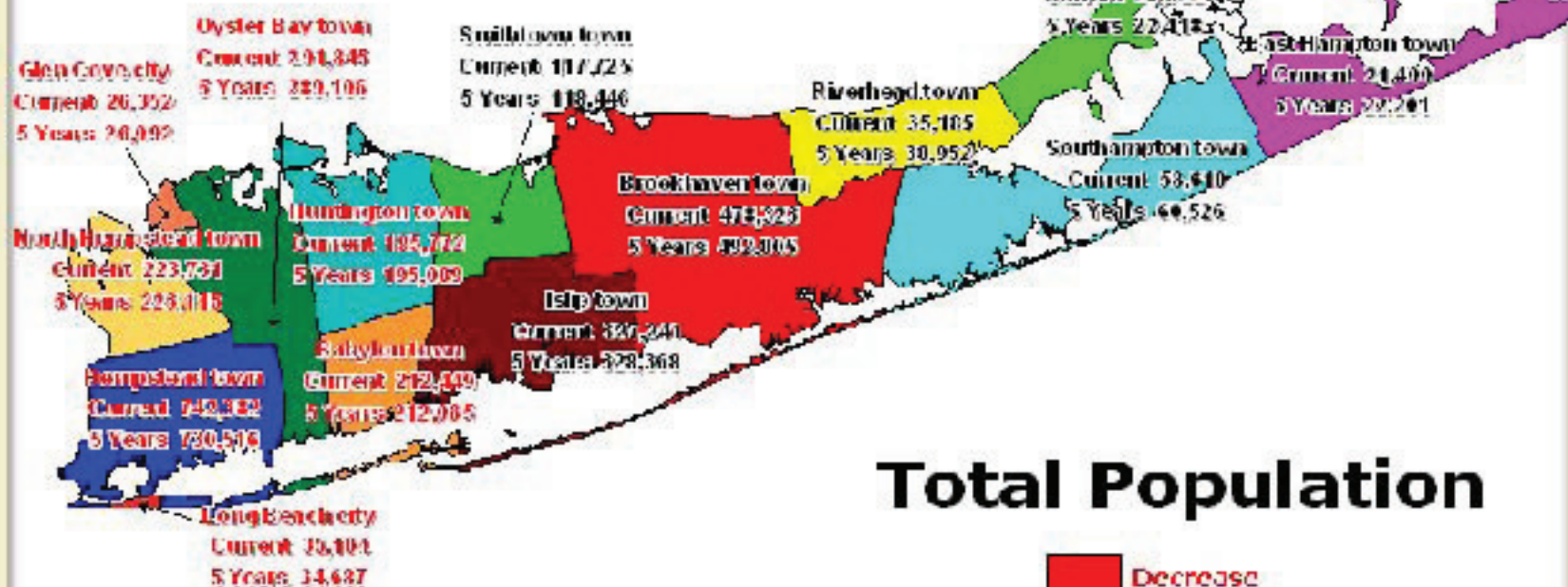
The Coming Waves

Geo Tracks

L.I. Population

Current: 2,791,591

5 Years: 2,798,397



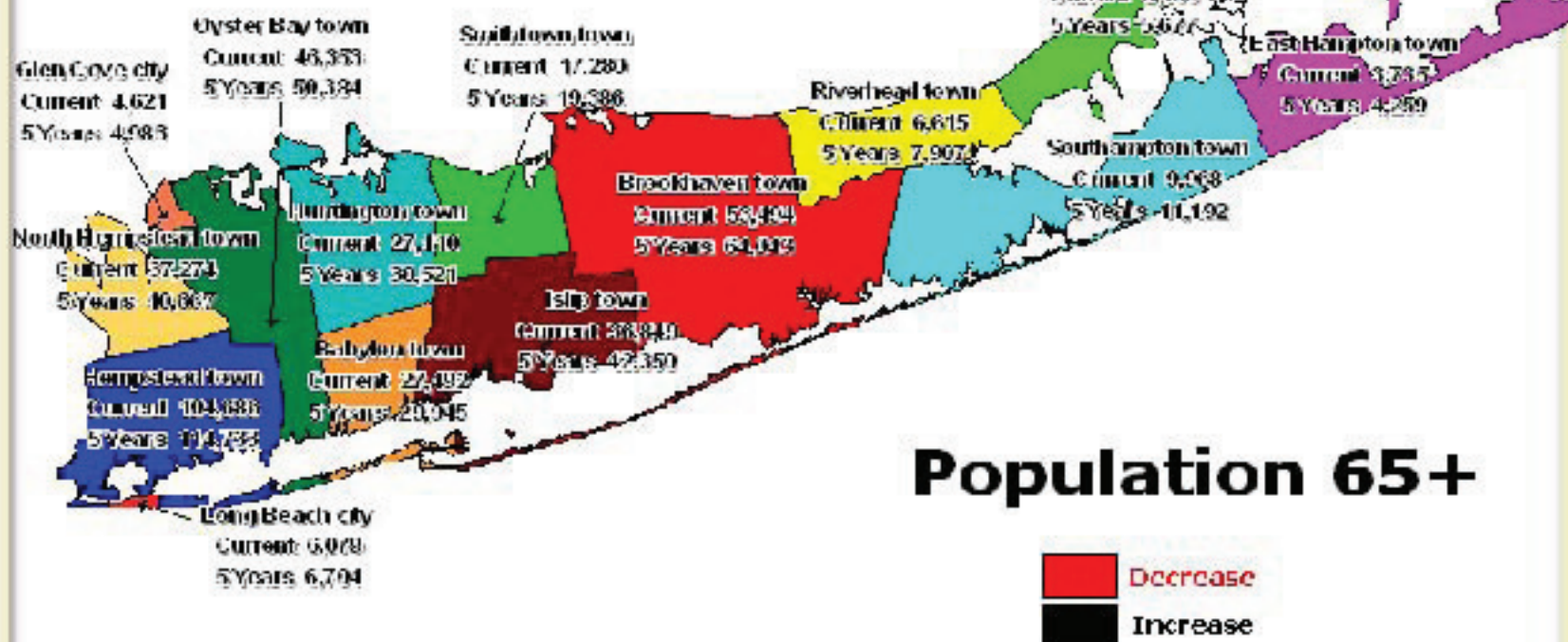
Total Population

■ Decrease
■ Increase

The Coming Waves

Geo Tracks

Population 65+
Current: 387,876
5 Years: 433,702



Source: U.S. Census. Proportionately Adjusted for District Boundaries

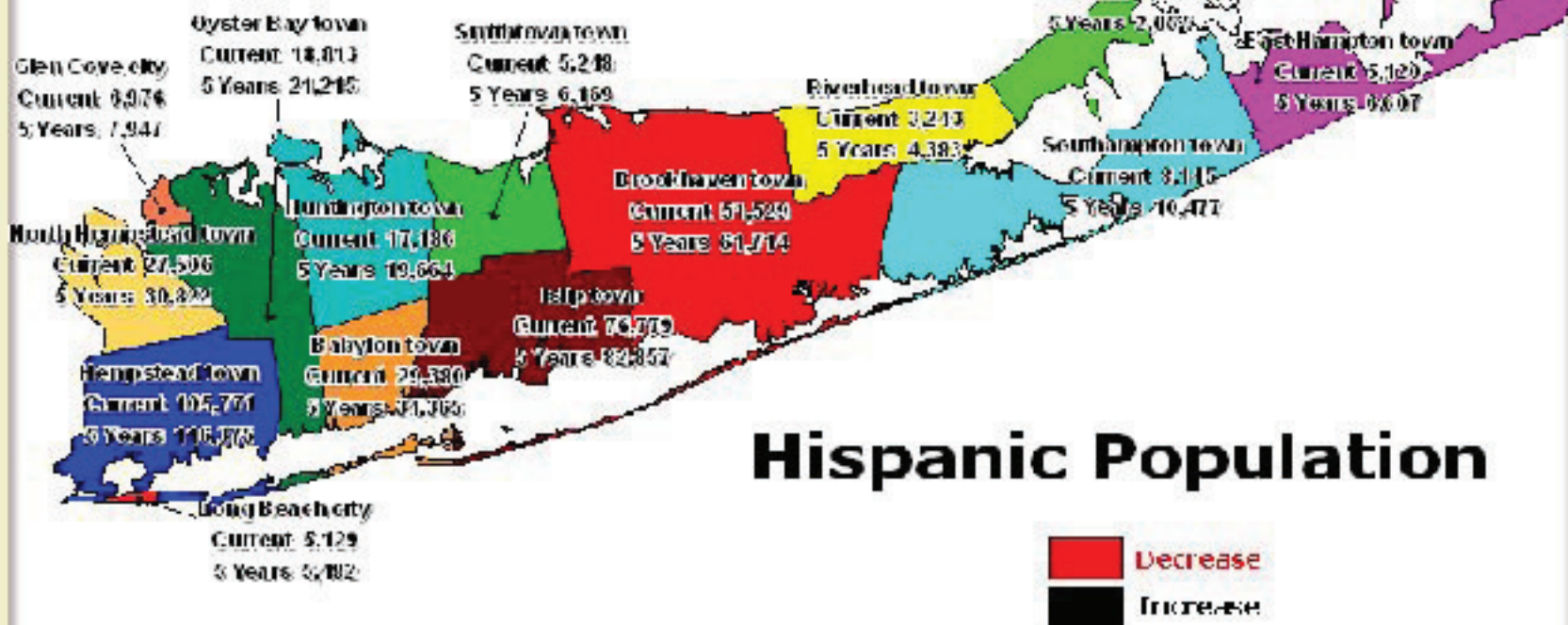
The Coming Waves

Gco *Tracks* Tracks

Hispanic Population

Current: 362,644

5 Years: 410,413



Hispanic Population

■ Decrease
■ Increase

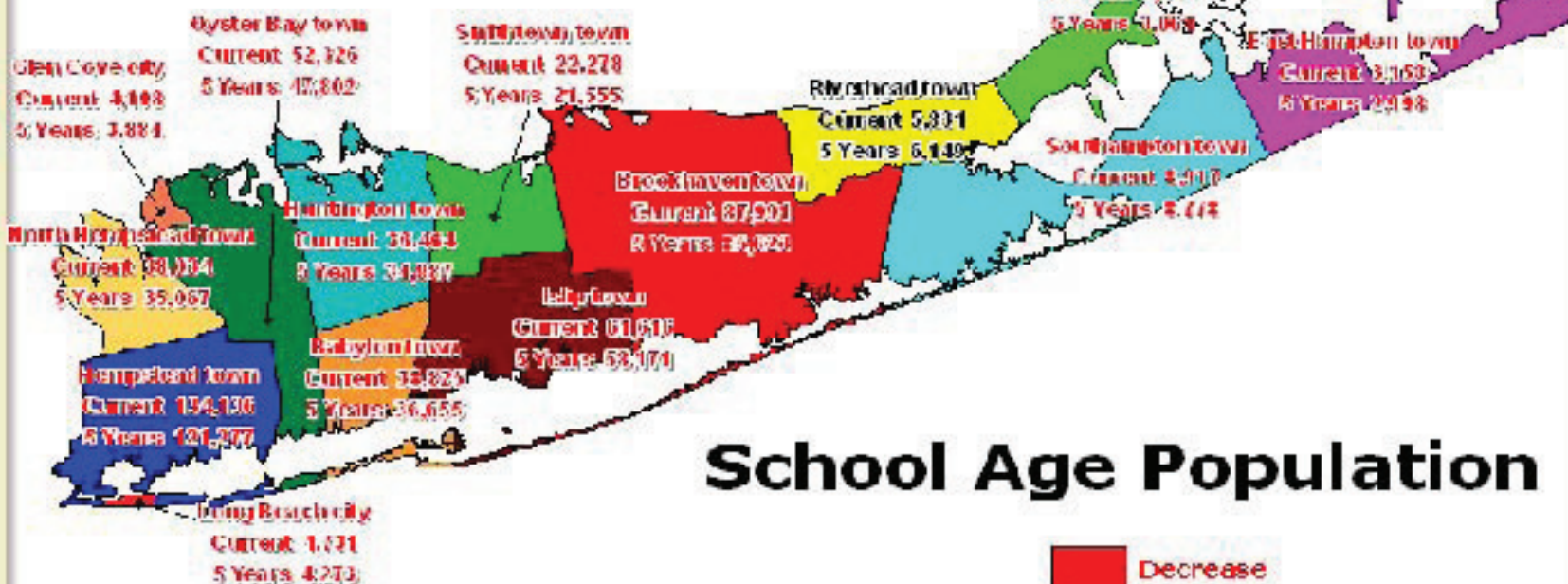
The Coming Waves

Geo *Tracks* Tracks

School Age Population

Current: 502,268

5 Years: 470,905



School Age Population

■ Decrease
■ Increase

The Coming Waves

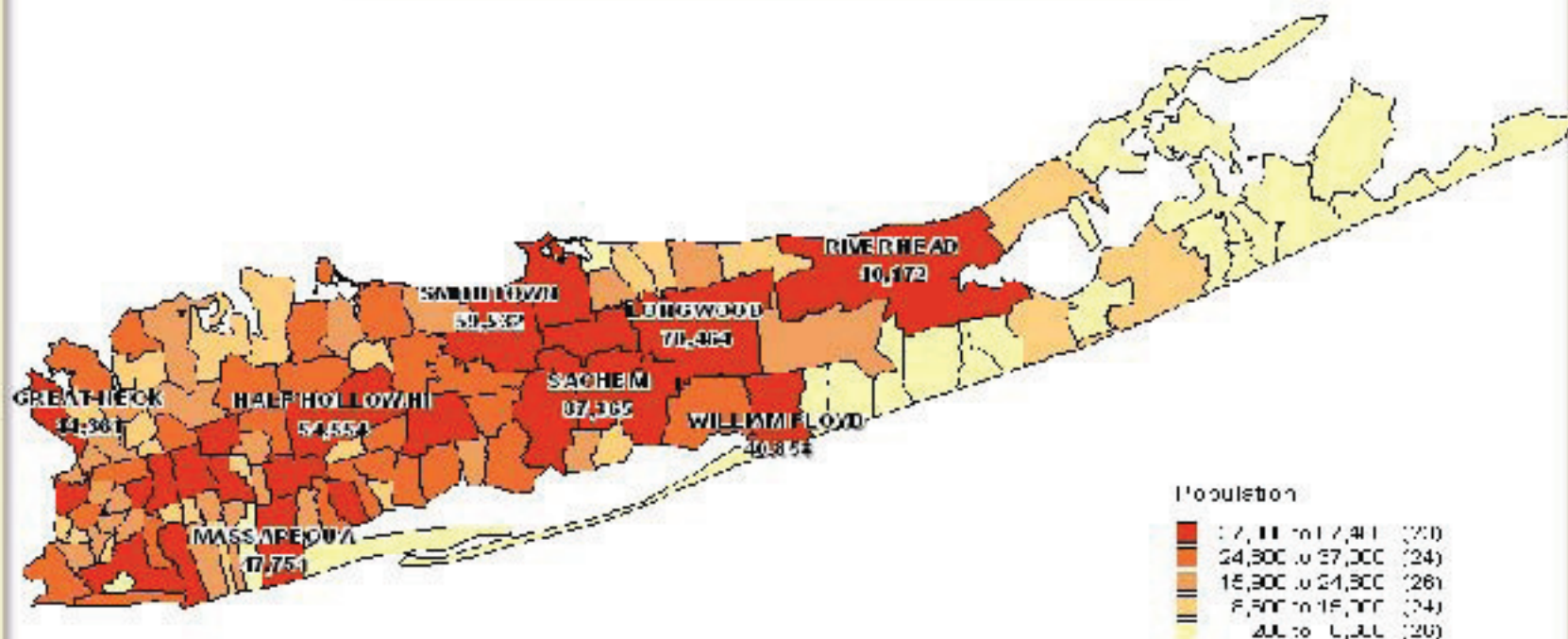
Geo Tracks

 **BABYLON**

School District Boundary Census Data

BABYLON Area

Community Population



The Coming Waves

Gco Tracks

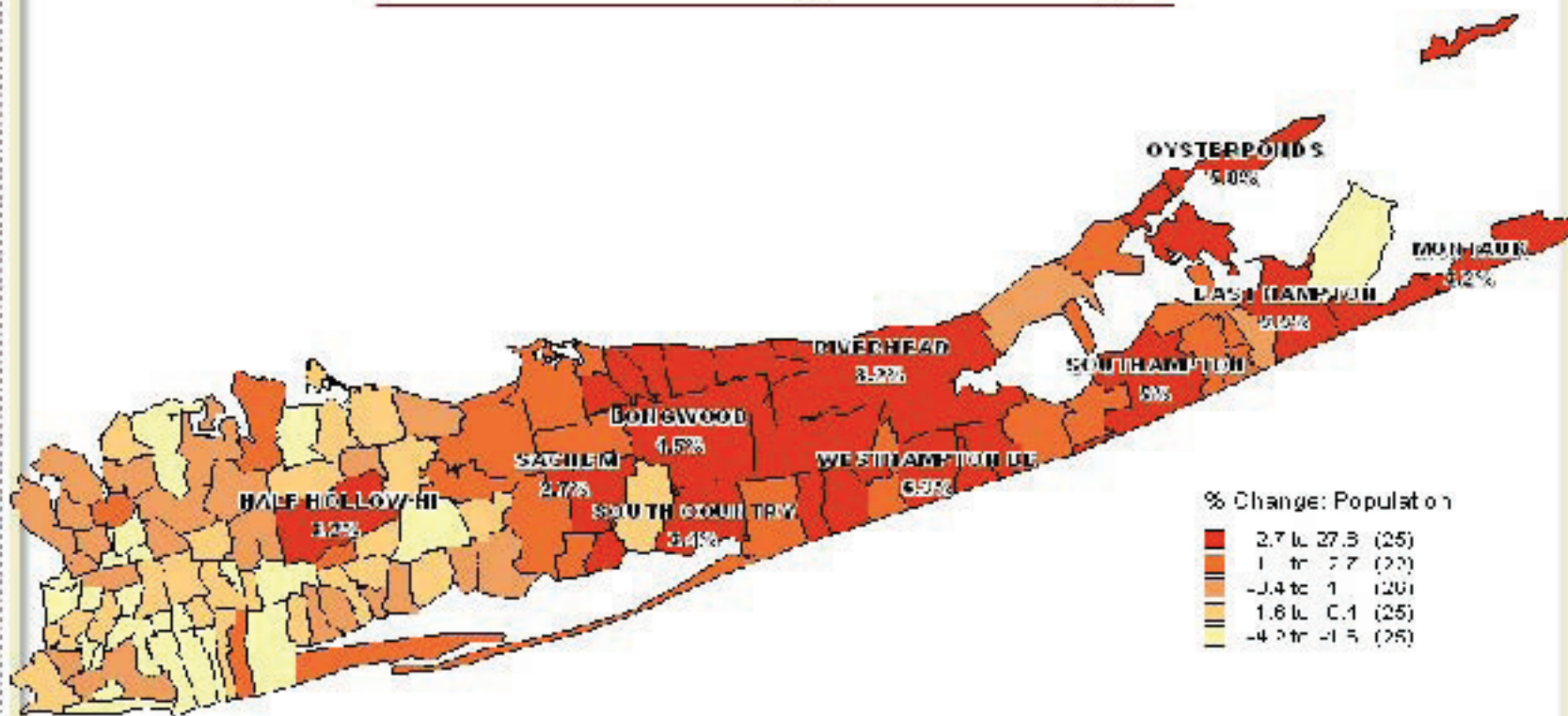
BABYLON



School District Boundary (Census Data)

BABYLON Area

% 5 Yr. Change: Population



% Change: Population

Dark Red	2.7 to 27.3 (25)
Red	1 to 7.7 (22)
Orange	-0.4 to 1 (20)
Light Orange	1.6 to 0.1 (25)
Yellow	-4.3 to -1.5 (25)

Source: U.S. Census; Proportionately Aggregated for District Boundaries



Source: Hughes, J. Gco Tracks, SCOR, Smithtown, NY

The Coming Waves

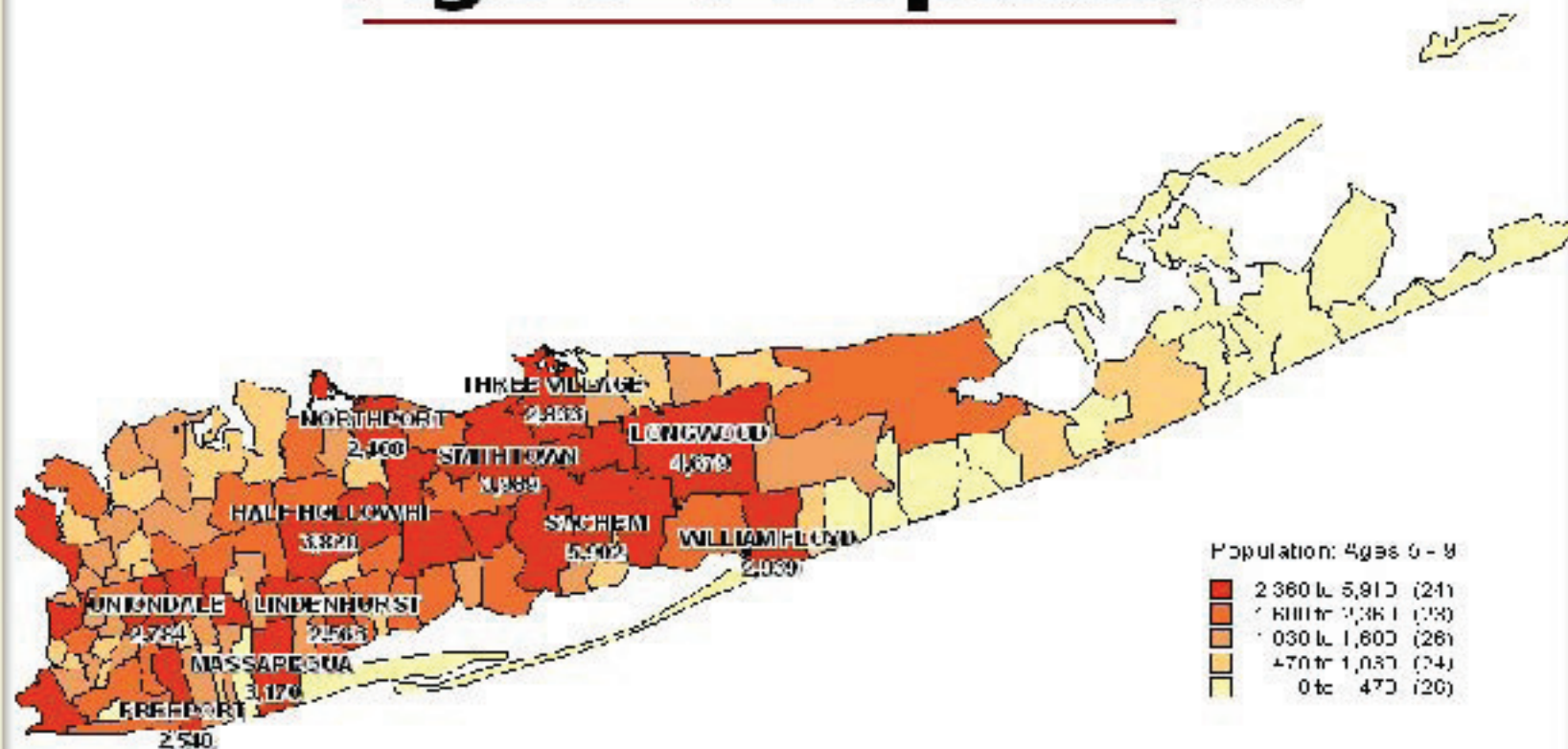
Geo Tracks

BABYLON

School District Boundary Census Data

BABYLON Area

Age 5-9 Population



Source: U.S. Census; Proportionately Adjusted for District Boundaries



Source: Hughes, J. Geo-Tracks. SCOPE, Smithtown, NY

The Coming Waves

Geo Tracks

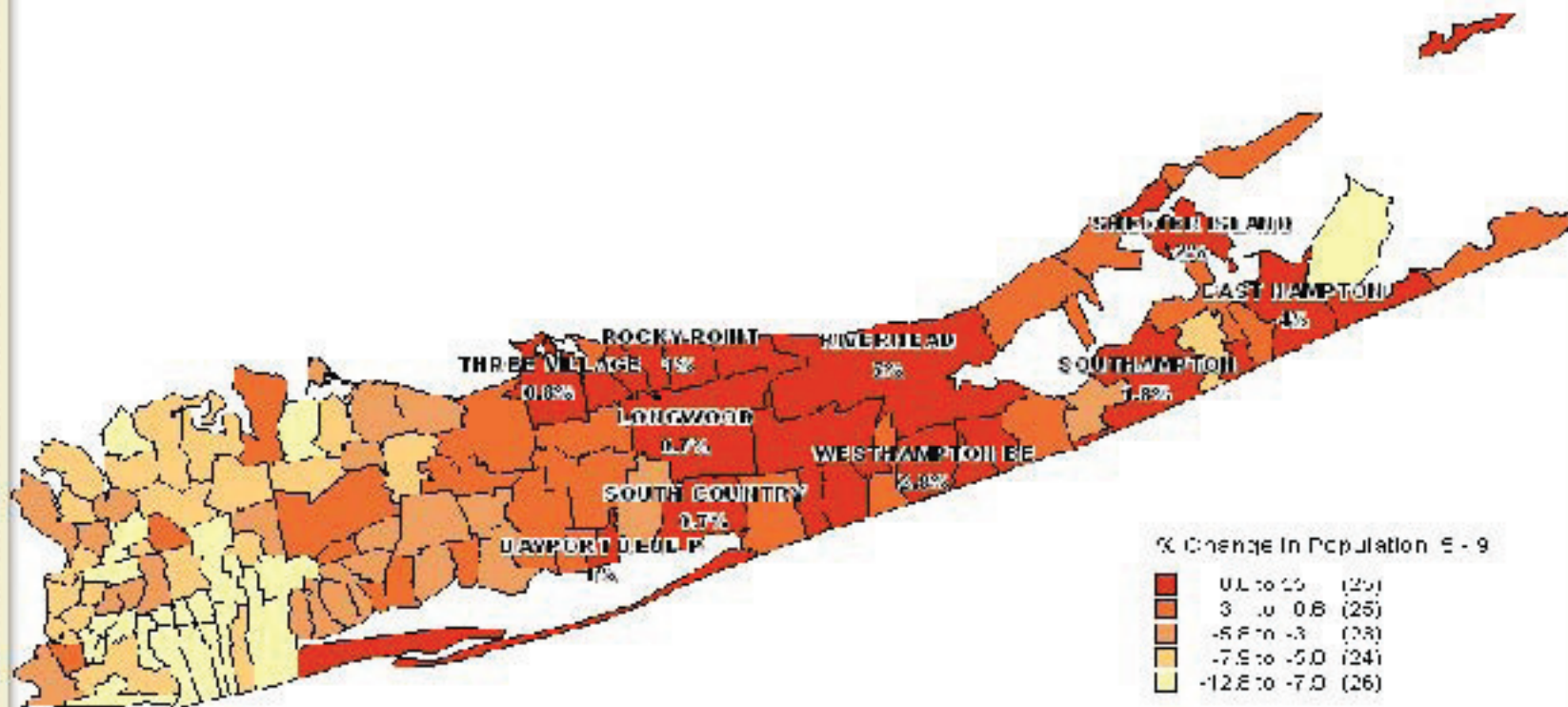
BABYLON



School District Boundary Census Data

BABYLON Area

% Change: Age 5-9



Source: U.S. Census; Proportionately Allocated for District Boundaries



Source: Hughes, J. GeoTracks, SCOPE, Southampton, NY

The Coming Waves

GEO-Tracks

BABYLON

School District Boundary Census Data

Current Year

0-4	5-9	10-14	15-17
748	756	798	564

5 Years from Now

0-4	5-9	10-14	15-17
795	737	751	536



BABYLON Area

Current Year

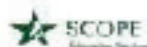
Age Groups	0-4	5-9	10-14	15-17
AMITYVILLE	1,347	1,388	1,547	994
BABYLON	748	756	798	564
COPIAGUE	1,863	1,891	2,032	1,217
DEER PARK	1,711	1,734	1,836	1,171
LINDENHURST	2,527	2,563	2,791	1,861
NORTH BABYLON	1,817	1,870	1,997	1,228
WEST BABYLON	1,931	1,977	2,101	1,311
WYANDANCH	760	760	818	481

School Age Groups

5 Years from Now

Age Groups	0-4	5-9	10-14	15-17
AMITYVILLE	1,391	1,311	1,327	981
BABYLON	715	717	751	531
COPIAGUE	1,800	1,827	1,874	1,170
DEER PARK	1,649	1,669	1,696	1,133
LINDENHURST	2,464	2,482	2,515	1,741
NORTH BABYLON	1,762	1,779	1,894	1,219
WEST BABYLON	1,871	1,876	1,932	1,280
WYANDANCH	768	754	765	456

Increase
Decrease



The Coming Waves

Geo Tracks

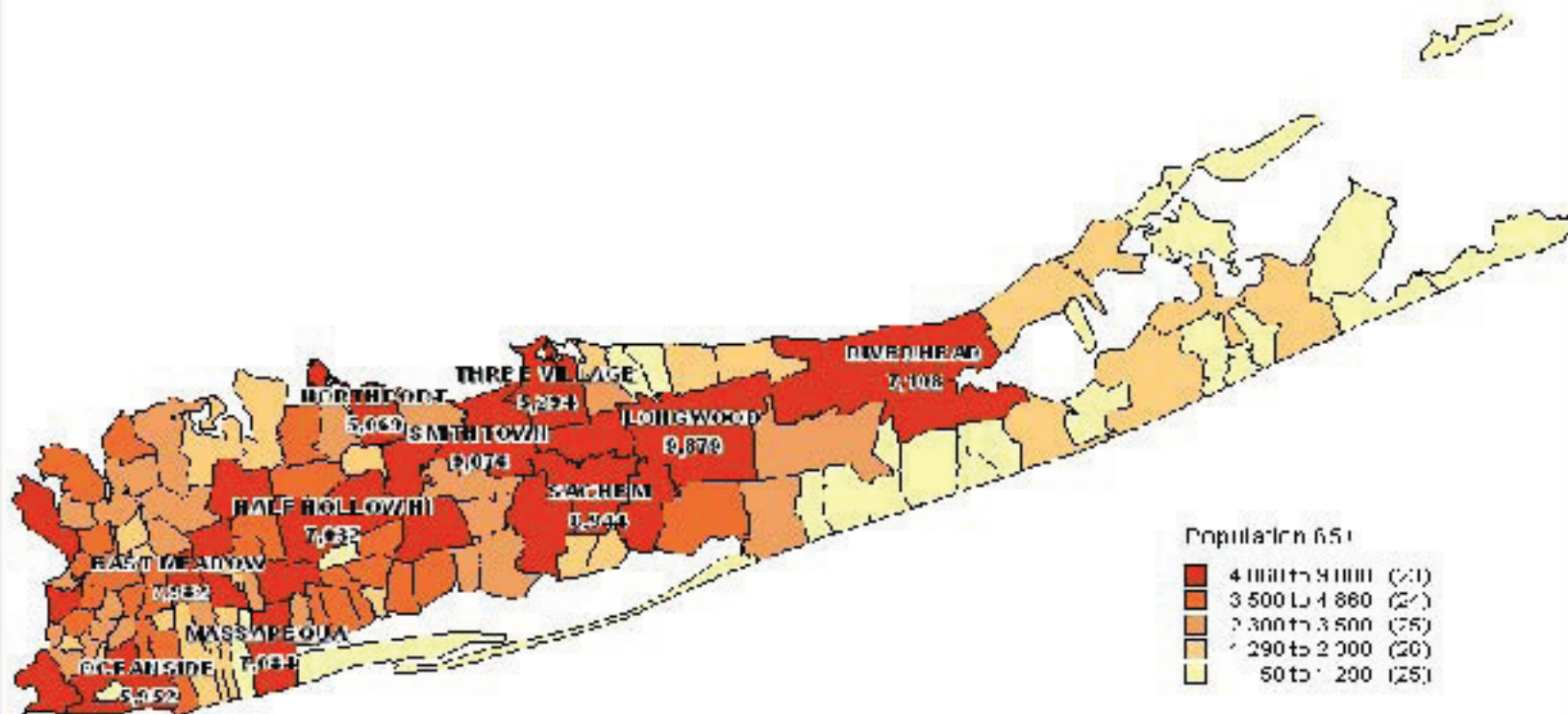
BABYLON



School District Boundary Census Data

BABYLON Area

Population: Ages 65 +



Source: U.S. Census; Proportionally Allocated for District Boundaries



Source: Hughes, J. Geo-Tracks, SCOPE, Smithtown, NY

The Coming Waves

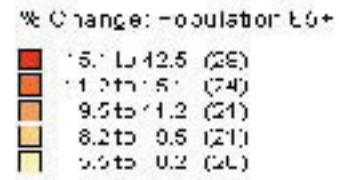
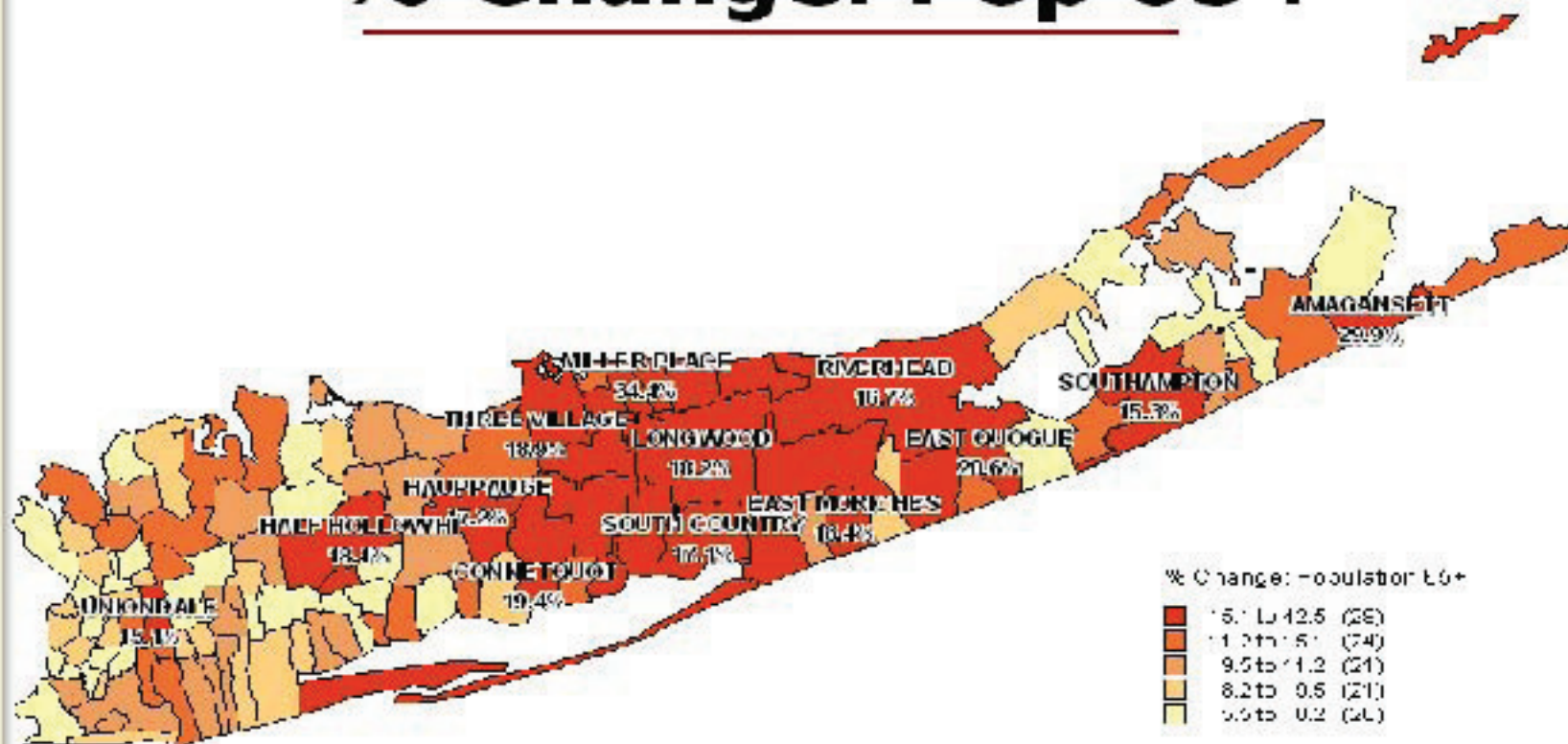
Gco Tracks

BABYLON

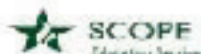
School District Boundary Census Data

BABYLON Area

% Change: Pop 65+



Source: U.S. Census, Proportionately Aggregated for District Boundaries



Source: Wagner, J. Gco-Tracks, SCOPE, Southampton, NY

The Coming Waves

Gco  **Tracks**

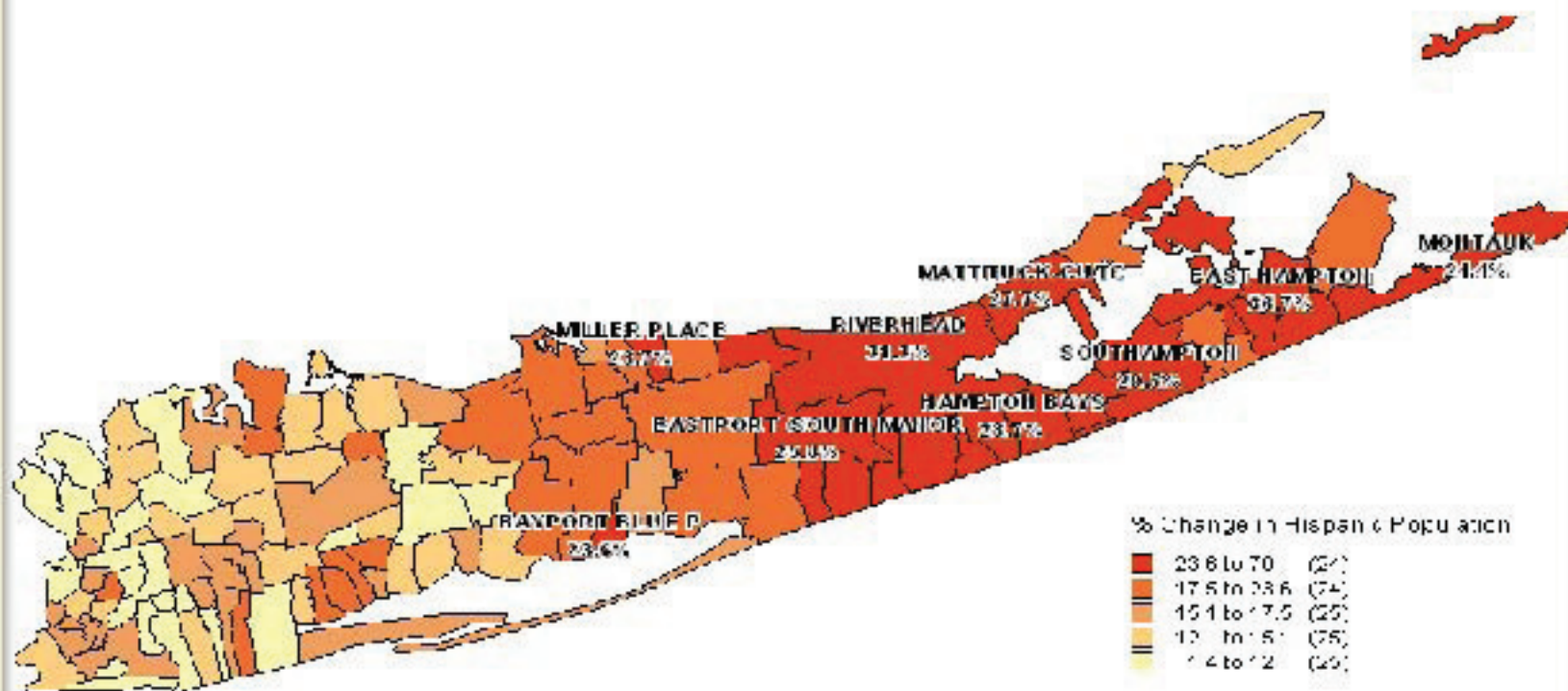
 **BABYLON**



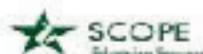
School District Boundary Census Data

BABYLON Area

% Change: Hispanic Population



Source: U.S. Census, Proportionately Allocated for 2011 Estimates



Source: Hughes, E. [Geo-Tracks](#), SCOPE, Southtown, NY

SR

The Coming Waves

Geo *Tracks* **Tracks**

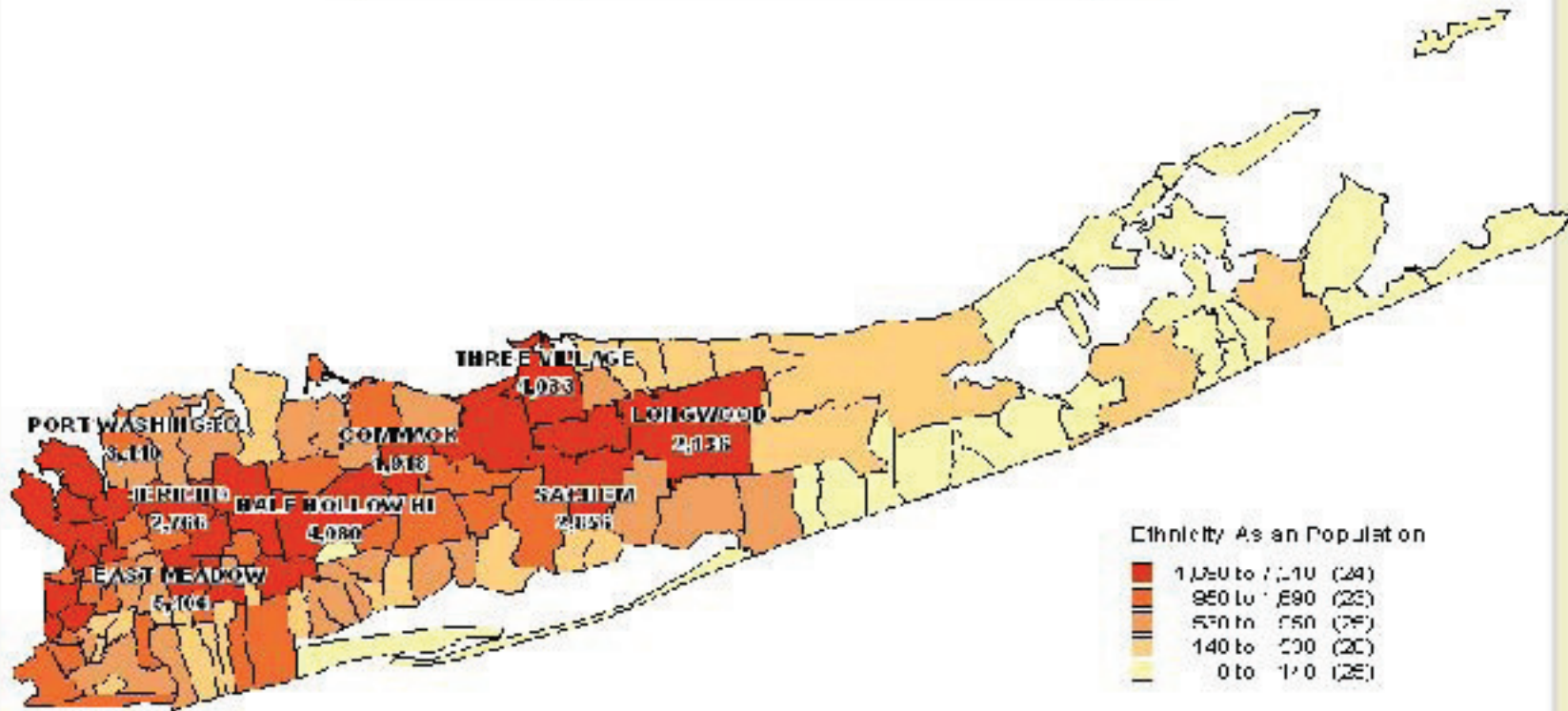
BABYLON



School District Boundary Census Data

BABYLON Area

Ethnicity: Asian Population



Source: U.S. Census; Proportionately Adjusted for District Boundaries

SCOPE
Socioeconomic Outcomes
Performance Evaluation

Source: Hughes, J. Geo-Tracks, 2007, Smithtown, NY

The Coming Waves

Geo Tracks

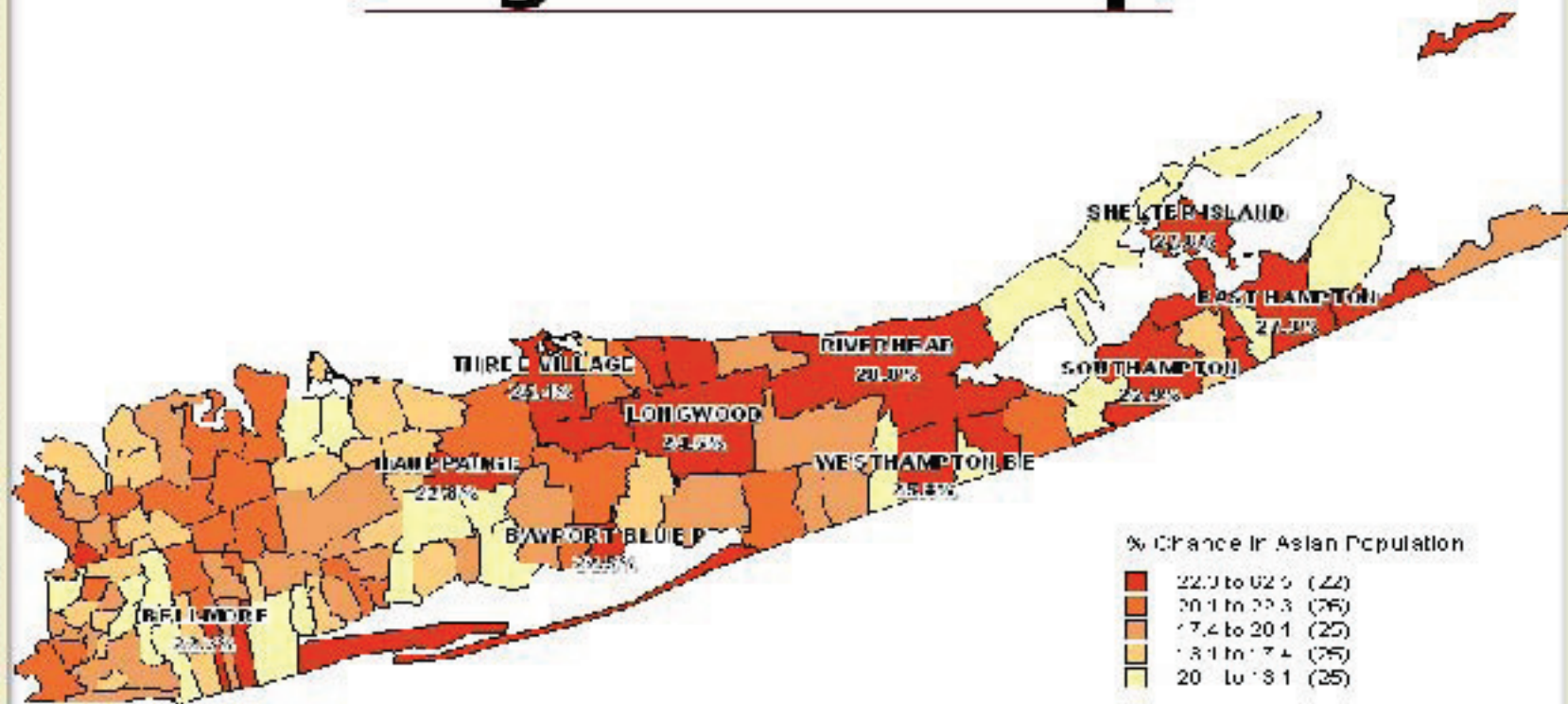
BABYLON



School District Boundary Census Data

BABYLON Area

% Change: Asian Population



Source: U.S. Census; Proportionately Allocated for District Boundaries



Source: Hughes, J., Geo-Tracks, SCOPE, Smithtown, NY



5

Where do
we go from
here?

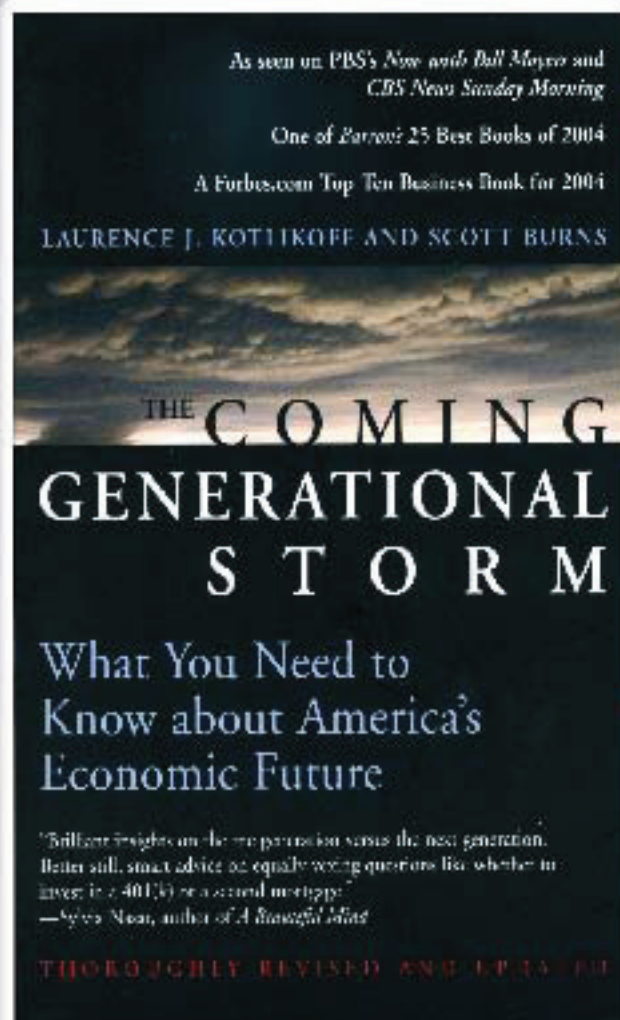
The Coming Waves



Challenges...

- ✓ **Educational attainment** rates for some sectors of communities may not be able to sustain a region's competitive position.
- ✓ **Talent shortages** will be created by "boomers" giving way to "busters" early in the next decade.
- ✓ Immigration is replacing population losses, but not all **skill losses**.
- ✓ **Regional quality of life** may not be perceived as "young professional friendly".

The Coming Waves



- ...and opportunities.**
- **Define skills gaps as an opportunity for upward mobility, cultural integration, and extended contributions.**
 - **Create incentives for individuals to choose jobs and careers that are both "life stage appropriate" and needed in the region.**
 - **Expand the network of support services that enable reliable participation in the workforce. (ie. child care, transit, health care...)**

ST. JOHN'S
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