CHANGING GENERATIONS: UNDERSTANDING DEMOGRAPHIC SHIFTS ACROSS AGE GROUPS IN SEATTLE

MANUEL PASTOR
Population on the Rise:
Net Population Growth, 1979 to 2010

Population Growth

Seattle Metro
United States

70%
38%
0%
20%
40%
60%
80%


70%
38%
Age Structure of Seattle

A Sizable Population in “Prime Working Age”
Population by Age Group, 2006-2010

Seattle Metro

Prime Working Age (25-64)

United States

- 10% age 65 or older
- 12% 55-64
- 16% 45-54
- 16% 35-44
- 15% 25-34
- 9% 18-24
- 23% under age 18

- 13% age 65 or older
- 11% 55-64
- 15% 45-54
- 14% 35-44
- 13% 25-34
- 10% 18-24
- 24% under age 18

Seattle Metro United States

Ages 65 or older
55-64
45-54
35-44
25-34
18-24
under age 18

Prime Working Age (25-64)
Age Structure of Seattle

Low and Declining Dependency by Age
Dependency Ratio, 1980 to 2006-2010

**Dependency Ratio** = \frac{\text{youth pop. (<18) + senior pop. (>64)}}{\text{working age pop. (18-64)}}
...But Getting Older
Population by Age Group, 1980 to 2006-2010
Seattle Metro

<table>
<thead>
<tr>
<th>Year</th>
<th>18-24</th>
<th>25-34</th>
<th>35-44</th>
<th>45-54</th>
<th>55-64</th>
<th>age 65 or older</th>
</tr>
</thead>
<tbody>
<tr>
<td>1980</td>
<td>10%</td>
<td>14%</td>
<td>12%</td>
<td>9%</td>
<td>9%</td>
<td>12%</td>
</tr>
<tr>
<td>1990</td>
<td>20%</td>
<td>17%</td>
<td>11%</td>
<td>7%</td>
<td>11%</td>
<td>16%</td>
</tr>
<tr>
<td>2000</td>
<td>18%</td>
<td>14%</td>
<td>10%</td>
<td>8%</td>
<td>12%</td>
<td>16%</td>
</tr>
<tr>
<td>2006-2010</td>
<td>23%</td>
<td>25%</td>
<td>25%</td>
<td>16%</td>
<td>16%</td>
<td>16%</td>
</tr>
</tbody>
</table>

= approximate Baby Boomer generation
The Times Are A Changin’

A Region Becoming More Diverse
Population by Race/Ethnicity, 1980 to 2040
Seattle Metro

Note: Much of the increase in the "Other" group between 1990 and 2000 is due to a change in the survey question on race.
2000 Percent People of Color by County

- Less than 40% People of Color
- "Tipping Point" Counties: 40% to 50% People of Color
- Greater than 50% People of Color

Sources: 2000 Census, Census TIGER/Line, NHGIS, and ESRI.

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The dissimilarity index for any two racial/ethnic groups indicates the percentage of either group that would have to move to a new neighborhood to make both groups evenly distributed across all neighborhoods in the region.
The Times Are A Changin’

A Rising Immigrant Share
Percent Foreign Born, 1980 to 2006-2010

Seattle Metro
United States

- Seattle Metro
- United States

1980: 7.2%
1990: 7.9%
2000: 12.6%
2006-2010: 16.1%

The New Americans
The Times Are A Changin’

A Diversifying Region
Population by Race/Ethnicity/Nativity, 2010

Seattle Metro

United States
A Diversifying Region
Asian and Latino Population by Detailed Origin
2006-2010

Asian Population

- Chinese or Taiwanese, 23%
- Filipino, 17%
- Vietnamese, 11%
- Korean, 10%
- Japanese, 5%
- Asian Indian, 11%
- All other Asians, 16%

Latino Population

- Mexican, 65%
- Puerto Rican, 9%
- All other Latinos, 26%
- Mexican, 74%
- Puerto Rican, 5%
- All other Latinos, 21%

The Times Are A Changin’ 
The New Diversity

Seattle Metro

- Chinese or Taiwanese, 21%
- Filipino, 16%
- Vietnamese, 14%
- Korean, 13%
- Asian Indian, 11%
- Japanese, 7%
- All other Asians, 19%

United States

- Chinese or Taiwanese, 23%
- Filipino, 17%
- Vietnamese, 11%
- Asian Indian, 18%
- Korean, 10%
- Japanese, 5%
- All other Asians, 16%
### What’s Driving the Shift? Race/Ethnicity

**People of Color Driving Population Growth**

Net Decadal Population Growth by Race/Ethnicity

**Seattle Metro**

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>30% People of Color</td>
<td>466,052</td>
<td>484,714</td>
<td>395,931</td>
</tr>
<tr>
<td>70% Non-Hispanic White</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Share of Net Increase Attributable to:**

- **People of Color**: 30%, 71%, 93%
- **Non-Hispanic White**: 70%, 29%, 7%

What's Driving the Shift? Race/Ethnicity
People of Color Driving Population Growth

Net Decadal Population Growth by Race/Ethnicity

Seattle Metro

Net Increase in Population (by decade)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Other</td>
<td>70%</td>
<td>7%</td>
<td>11%</td>
</tr>
<tr>
<td>Native American</td>
<td>7%</td>
<td>23%</td>
<td>36%</td>
</tr>
<tr>
<td>Asian/Pacific Islander</td>
<td>70%</td>
<td>18%</td>
<td>37%</td>
</tr>
<tr>
<td>Latino</td>
<td>6%</td>
<td>29%</td>
<td>9%</td>
</tr>
<tr>
<td>Black</td>
<td>23%</td>
<td>29%</td>
<td>7%</td>
</tr>
<tr>
<td>White</td>
<td>70%</td>
<td>23%</td>
<td>36%</td>
</tr>
</tbody>
</table>

Share of Net Increase Attributable to:

- Other: 70%, 7%, 11%
- Native American: 7%, 23%, 36%
- Asian/Pacific Islander: 70%, 18%, 37%
- Latino: 6%, 29%, 9%
- Black: 23%, 29%, 7%
- White: 70%, 23%, 36%

Note: Much of the increase in the "Other" group between 1990 and 2000 is due to a change in the survey question on race.
What’s Driving the Shift? Race/Ethnicity

People of Color Driving Population Growth
Net Decadal Growth Rates for Population by Race/Ethnicity

What’s Driving the Shift?
Race/Ethnicity
What’s Driving the Shift? Int’l Migration

Immigrant Share of Population Growth
Net Decadal Population Growth by Nativity
Seattle Metro

Net Increase in Population (by decade) | 466,052 | 484,714 | 395,931

Share of Net Increase Attributable to:
- Immigrants
- U.S. Born

Note: 2010 data on total immigrants and U.S. born were estimated.
What’s Driving the Shift? **Int’l Migration**

**Immigrants Share of Latino and Asian Population Growth**

Net Decadal Growth Rates for Population by Race/Ethnicity, 2000-2010

<table>
<thead>
<tr>
<th>Net Increase in Population</th>
<th>2000-2010</th>
<th>Net Increase</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>102,745</td>
</tr>
<tr>
<td></td>
<td></td>
<td>109,807</td>
</tr>
</tbody>
</table>

**Share of Net Increase Attributable to:**

- **Immigrants**
  - Latino: 46%
  - Asian/Pacific Islander: 62%

- **U.S. Born**
  - Latino: 54%
  - Asian/Pacific Islander: 38%

Note: 2010 data on total immigrants and U.S. born were estimated.
What’s Driving the Shift? Int’l Migration

Citizenship Among Immigrants on the Rise...
Naturalized Citizens as a Share of the Immigrant Population

Seattle Metro
United States

<table>
<thead>
<tr>
<th>Year</th>
<th>Seattle Metro</th>
<th>United States</th>
</tr>
</thead>
<tbody>
<tr>
<td>1980</td>
<td>55%</td>
<td>50%</td>
</tr>
<tr>
<td>1990</td>
<td>48%</td>
<td>40%</td>
</tr>
<tr>
<td>2000</td>
<td>45%</td>
<td>40%</td>
</tr>
<tr>
<td>2006-2010</td>
<td>47%</td>
<td>43%</td>
</tr>
</tbody>
</table>
Larger but Declining Share Born Out of State
“Home-Grown” Population Small but Stable
Population by Place of Birth, 1980 to 2006-2010

What’s Driving the Shift? Int’l & Dom Migration

Foreign Born
U.S. Born, Out-of-State
U.S. Born, In-State
"Home-Grown"
Declining Share of Growth from Natives of Other States

Net Decadal Population Growth by Place of Birth
Seattle Metro

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreign Born</td>
<td>11%</td>
<td>38%</td>
<td>41%</td>
</tr>
<tr>
<td>U.S. Born, Out-of-State</td>
<td>41%</td>
<td>26%</td>
<td>14%</td>
</tr>
<tr>
<td>U.S. Born, In-State</td>
<td>48%</td>
<td>36%</td>
<td>45%</td>
</tr>
<tr>
<td>&quot;Home-Grown&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: 2010 data on total population by place of birth were estimated.
A Look at the “Home-Grown” and Migrants

Home Grown Are Younger
Place of Birth by Age Group, 2006-2010
Seattle Metro

U.S. % "Home Grown"
U.S. Born, In-State
U.S. Born, Out-of-State
Foreign Born

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Foreign Born</th>
<th>U.S. Born, Out-of-State</th>
<th>U.S. Born, In-State</th>
</tr>
</thead>
<tbody>
<tr>
<td>under age 18</td>
<td>17%</td>
<td>34%</td>
<td>51%</td>
</tr>
<tr>
<td>18-24</td>
<td>15%</td>
<td>39%</td>
<td>52%</td>
</tr>
<tr>
<td>25-34</td>
<td>23%</td>
<td>45%</td>
<td>51%</td>
</tr>
<tr>
<td>35-44</td>
<td>23%</td>
<td>47%</td>
<td>51%</td>
</tr>
<tr>
<td>45-54</td>
<td>17%</td>
<td>51%</td>
<td>34%</td>
</tr>
<tr>
<td>55-64</td>
<td>15%</td>
<td>52%</td>
<td>30%</td>
</tr>
<tr>
<td>age 65 or older</td>
<td>18%</td>
<td>52%</td>
<td>30%</td>
</tr>
</tbody>
</table>

Seattle Metro Area Place of Birth by Age Group, 2006-2010

A Look at the “Home-Grown” and Migrants
A Look at the “Home-Grown” and Migrants

Home Grown Are Younger
Age by Place of Birth, 2006-2010
Seattle Metro

<table>
<thead>
<tr>
<th>Category</th>
<th>18-24</th>
<th>25-34</th>
<th>35-44</th>
<th>45-54</th>
<th>55-64</th>
<th>65+</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. Born, In-State &quot;Home Grown&quot;</td>
<td>39%</td>
<td>10%</td>
<td>12%</td>
<td>11%</td>
<td>10%</td>
<td>7%</td>
</tr>
<tr>
<td>U.S. Born, Out-of-State</td>
<td>15%</td>
<td>22%</td>
<td>19%</td>
<td>16%</td>
<td>11%</td>
<td>14%</td>
</tr>
<tr>
<td>Foreign Born</td>
<td>9%</td>
<td>8%</td>
<td>8%</td>
<td>22%</td>
<td>12%</td>
<td>12%</td>
</tr>
</tbody>
</table>

- age 65 or older
- 55-64
- 45-54
- 35-44
- 25-34
- 18-24
- under age 18
A Look at the “Home-Grown” and Migrants

Home Grown Are Younger
Age by Place of Birth, 2006-2010
Seattle Metro

- U.S. Born, In-State "Home Grown": 39%
- U.S. Born, Out-of-State: 14%
- Foreign Born: 12%

- age 65 or older: 7%
- 55-64: 9%
- 45-54: 12%
- 35-44: 15%
- 25-34: 18%
- 18-24: 19%
- under age 18: 10%

= largest age groups (about half of population)
Home Grown Are Whiter at Every Age
Percentage non-Hispanic White by Age and Place of Birth, 2006-2010
Seattle Metro

Home Grown Are Whiter at Every Age
Percentage non-Hispanic White by Age and Place of Birth, 2006-2010
Seattle Metro

Home Grown Are Whiter at Every Age
Percentage non-Hispanic White by Age and Place of Birth, 2006-2010
Seattle Metro

Home Grown Are Whiter at Every Age
Percentage non-Hispanic White by Age and Place of Birth, 2006-2010
Seattle Metro

Home Grown Are Whiter at Every Age
Percentage non-Hispanic White by Age and Place of Birth, 2006-2010
Seattle Metro

Home Grown Are Whiter at Every Age
Percentage non-Hispanic White by Age and Place of Birth, 2006-2010
Seattle Metro
### Racial/Ethnic Composition by Place of Birth, 1980 and 2006-2010

**Seattle Metro**

<table>
<thead>
<tr>
<th></th>
<th>1980</th>
<th>2006-2010</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>U.S. Born, In-State ”Home-Grown”</strong></td>
<td>92%</td>
<td>89%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>U.S. Born, Out-of-State</strong></td>
<td>6%</td>
<td>4%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Foreign Born</strong></td>
<td>61%</td>
<td>27%</td>
</tr>
</tbody>
</table>

- **Other**: 32% (1980), 46% (2006-2010)
- **Native American**: 6% (1980), 6% (2006-2010)
- **Asian/Pacific Islander**: 5% (1980), 20% (2006-2010)
- **Latino**: 6% (1980), 6% (2006-2010)
- **Black**: 4% (1980), 27% (2006-2010)
- **White**: 92% (1980), 79% (2006-2010)

**Note:** Much of the increase in the ”Other” group between 1980 and 2006-2010 is due to a change in the survey question on race.
A Look at the “Home-Grown” and Migrants

Natives Born Out of State are More Educated
Educational Attainment by Place of Birth, 1980 and 2006-2010
Seattle Metro

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. Born, In-State &quot;Home-Grown&quot;</td>
<td>25% 9% 28% 29% 9%</td>
<td>30% 11% 27% 26% 6%</td>
<td>33% 9% 27% 23% 9%</td>
<td>44% 10% 24% 18% 4%</td>
<td>30% 19% 22% 19% 19%</td>
<td>38% 8% 16% 20% 18%</td>
</tr>
<tr>
<td>U.S. Born, Out-of-State</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Foreign Born</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Bachelor's degree or higher
- Associate's degree
- Some college
- High school grad
- Less than high school diploma

Note: Universe is population ages 25 through 64.
A Look at the “Home-Grown” and Migrants

Percent with an AA Degree or Higher by Place of Birth and Age, 2006-2010

Seattle Metro

U.S. Born, Out-of-State

Foreign Born

U.S. Born, In-State "Home-Grown"

age 25-34 35-44 45-54 55-64 age 65 or older
A Look at the “Home-Grown” and Migrants

Percent with an AA Degree or Higher by Place of Birth and Race/Ethnicity, 2006-2010

Seattle Metro

U.S. Born, In-State "Home-Grown"
U.S. Born, Out-of-State
Foreign Born

White
Black
Latino
Asian/Pacific Islander
Native American
Other

42%
33%
37%
61%
21%
39%
56%
32%
15%
55%
40%
57%
32%
15%
55%
40%
39%
42%
40%

Note: Universe is population ages 25 through 64.
Demographic Change, From the Bottom Up
Racial/Ethnic Composition by Age Group, 2006-2010
Seattle Metro

<table>
<thead>
<tr>
<th>Age Group</th>
<th>U.S. % White</th>
<th>Other</th>
<th>Native American</th>
<th>Asian/Pacific Islander</th>
<th>Latino</th>
<th>Black</th>
<th>White</th>
</tr>
</thead>
<tbody>
<tr>
<td>under age 18</td>
<td>61%</td>
<td>8%</td>
<td>11%</td>
<td>13%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18-24</td>
<td>66%</td>
<td>6%</td>
<td>10%</td>
<td>15%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>25-34</td>
<td>65%</td>
<td>6%</td>
<td>13%</td>
<td>10%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>35-44</td>
<td>70%</td>
<td>10%</td>
<td>5%</td>
<td>8%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>45-54</td>
<td>77%</td>
<td>4%</td>
<td>4%</td>
<td>5%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>55-64</td>
<td>81%</td>
<td>10%</td>
<td>3%</td>
<td>3%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>age 65 or older</td>
<td>83%</td>
<td>10%</td>
<td>3%</td>
<td>4%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Fast Growth Among Youth of Color
Net Growth in Youth Population by Race/Ethnicity, 2000 to 2010

Change Across Generations

Seattle Metro United States
White
Black
Latino
Asian/Pacific Islander
Native American
Other

-13% -10%
10%
-2%
99%
39% 40%
31%
-16%
-6%
39% 44%
A Generation of Difference
Median Age by Race/Ethnicity, 2006-2010
Seattle Metro

- Other or mixed race: 19
- Native American and Alaska Native: 34
- Asian/Pacific Islander: 35
- Latino: 26
- Black: 31
- White: 40
- All: 37
The Racial Generation Gap
Difference in the Percentage People of Color (POC) between Youth Under Age 18 and Seniors Age 65 or Older, 2006-2010

Seattle Metro

- Percent of youth who are POC
  - 15%
  - 17%
  - 26 percentage point gap

- Percent of seniors who are POC
  - 5%
  - 17%
  - 10 percentage point gap
A New Generation Gap?
The Diverging Demographics of Seniors and Youth

Percent People of Color by County

<table>
<thead>
<tr>
<th></th>
<th>0</th>
<th>30</th>
<th>40</th>
<th>50%</th>
</tr>
</thead>
</table>

Sources: 2010 Census (Summary File 1), Census TIGER/Line, NHGIS, and ESRI.
THE GAP MATTERS

Income Adjusted Per Pupil Spending on Public Schools & the Generation Gap by State 2007-2008

Per Pupil Spending / Per Capita Income

Difference in % non-Hispanic white between the old (>65) and the young (<18)

Dropout Status Relatively High for Some Youth
High School Dropout Status by Race/Ethnicity, 2006-2010

Dropout rates for Seattle Metro and United States by race/ethnicity:
- White: 6% (Seattle), 6% (United States)
- Black: 10% (Seattle), 11% (United States)
- Latino: 20% (Seattle), 19% (United States)
- Asian/Pacific Islander: 4% (Seattle), 3% (United States)
- Native American: 16% (Seattle), 16% (United States)
- All: 7% (Seattle), 9% (United States)

Note: Universe is population ages 16 through 24.
Racial Gaps in Education for Younger Population
Percent with an AA Degree or Higher by Age and Race/Ethnicity, 2006-2010

Seattle Metro
Racial Unemployment Gaps For
Unemployment Rate by Age and Race/Ethnicity, 2006-2010

Seattle Metro

Note: Universe is noninstitutional civilian population ages 18 and older.
Racial Income Gaps For Prime-Working-Age Householders
Median Household Income by Age and Race/Ethnicity, 2006-2010

Seattle Metro

Note: Universe is householders ages 25 and older.
Racial Poverty Gaps Largest for Old and Young Householders
Household Poverty Rate by Age and Race/Ethnicity, 2006-2010
Seattle Metro

Note: Universe is householders ages 25 and older.
Even after the Great Recession, 65- to 73-year-olds today have far greater wealth than 65- to 73-year-olds did in 1983. Younger age groups, however, aren’t better off. From 1983 to 2010, the total net worth of those in Generations X and Y (those 46 and younger) stayed about the same as their predecessors more than a quarter-century earlier. The net worth of baby boomers and older generations (47 and older) roughly doubled as compared with their predecessors.
Household Income Age Gradients, Past and Present
Median Household Income by Age of Householder, 1979 to 2006-2010
United States
Household Income Age Gradients, Past and Present
Median Household Income by Age of Householder, 1979 to 2006-2010

Seattle Metro

Change Across Generations
Economic Status
Change Across Generations

A Growing Economic Generation Gap in the U.S.
Percentage Difference in Median Household Income between Older and Younger Householders

United States

Median Income for Householders Ages 55-64
18% gap

Median Income for Householders Ages 25-34
2% gap

1979 1989 1999 2006-2010

$45,000 $50,000 $55,000 $60,000 $65,000

$45,000 $50,000 $55,000 $60,000 $65,000

2010
Economic Generation Gap in Seattle
Percentage Difference in Median Household Income between Older and Younger Householders

Seattle Metro

Economic Status

Change Across Generations

Median Income for Householders Ages 55-64
12% gap

Median Income for Householders Ages 25-34
17% gap
Economic Generation Gap defined as the percentage difference in median household income between older (55-64) and younger (25-34) householders.

The Gap in Seattle is Leveling Off
Economic Generation Gap, 1979 to 2006-2010

Economic Status
The dissimilarity index for any two groups indicates the percentage of either group that would have to move to a new neighborhood to make both groups evenly distributed across all neighborhoods in the region.
Spatial, Generational Change

1980

- All Youth (<18)
- All Seniors (65+)

(1 dot = 125 people)
Spatial, Generational Change

1990

All Youth (<18)  All Seniors (65+)
(1 dot = 125 people)
Spatial, Generational Change

- All Youth (<18)
- All Seniors (65+)

(1 dot = 125 people)
Spatial, Generational Change

All Youth (<18)  All Seniors (65+)
(1 dot = 125 people)
Spatial, Generational Change

1980

- Youth of Color
- Non-Hispanic White Seniors

(1 dot = 75 people)
Spatial, Generational Change

1990

- **Youth of Color**
- **Non-Hispanic White Seniors**

(1 dot = 75 people)
Spatial, Generational Change

- Seattle Metro
- Snohomish
- Pierce

2000

Youth of Color  Non-Hispanic White Seniors
(1 dot = 75 people)