GETTING TO WHERE YOU WANT TO GO: DEMOGRAPHY, ECONOMY, AND THE REGION

Prepared by: Manuel Pastor, Jennifer Ito, Jared P. Sanchez, Madeline Wander, and Anthony Perez

July 2013
SOUTH KERN
Changing Demographics
Population by Race/Ethnicity
1990 to 2005-2009

Source: PERE analysis of 1990 and 200 Census data and 2005-2009 ACS data, at the block group level.
Population by Race/Ethnicity
2005-2009

Source: PERE analysis of 2005-2009 ACS data, at the block group level.
Proportion of People of Color
1990 to 2005-2009

Household Language
1990 to 2005-2009

Source: PERE analysis of 1990 and 200 Census data and 2005-2009 ACS data
Percent of Households that are Linguistically Isolated
1990 to 2005-2009

*Linguistically isolated households are those that in which no one age 14 years and over speaks English only or speaks English "very well" (if they speak a non-English language).

Immigrant Integration
South Kern BHC Site: 61.0% Non-foreign born, 39.0% Foreign born
Kern County: 80.2% Non-foreign born, 19.8% Foreign born
California: 73.2% Non-foreign born, 26.8% Foreign born

Source: PERE analysis of 2005-2009 ACS data, at the tract level.
Population by Non-Foreign Born and Citizenship of Foreign Born
2005-2009

Source: PERE analysis of 2005-2009 ACS data, at the tract level.
Proportion of Immigrants
1990 to 2005-2009

Country/Region of Origin for Immigrants

Percent Immigrant by Census Tract, 1980
South Kern BHC Site, Kern County

Data is mapped on 2000 Census tracts
Data is mapped on 2000 Census tracts.
Source: Census 2000, and US Census Bureau.
Data is mapped on 2000 Census tracts
Percent Immigrant by Census Tract, 2005-09
South Kern BHC Site, Kern County

Data is mapped on 2000 Census tracts
Geography of Change
Percent Latino by Census Tract, 1980
South Kern BHC Site, Kern County

Data is mapped on 2000 Census tracts
Percent Latino by Census Tract, 1990
South Kern BHC Site, Kern County

Data is mapped on 2000 Census tracts
Source: Census 2000, and US Census Bureau.
Data is mapped on 2000 Census tracts.
Percent Latino by Census Tract, 2010
South Kern BHC Site, Kern County

Source: GeoLytics 2010 Summary File SF1, and US Census Bureau.
Data is mapped on 2000 Census tracts.
Percent Asian/Pacific Islander by Census Tract, 1980
South Kern BHC Site, Kern County

Data is mapped on 2000 Census tracts
Percent Asian/Pacific Islander by Census Tract, 1990
South Kern BHC Site, Kern County

Data is mapped on 2000 Census tracts.
Percent Asian/Pacific Islander by Census Tract, 2000
South Kern BHC Site, Kern County

Source: Census 2000, and US Census Bureau.
Data is mapped on 2000 Census tracts
Percent Asian/Pacific Islander by Census Tract, 2010
South Kern BHC Site, Kern County

Source: GeoLytics 2010 Summary File SF1, and US Census Bureau.
Data is mapped on 2000 Census tracts
Data is mapped on 2000 Census tracts.
Percent African American by Census Tract, 1990
South Kern BHC Site, Kern County

Data is mapped on 2000 Census tracts
Percent African American by Census Tract, 2000
South Kern BHC Site, Kern County

Source: Census 2000, and US Census Bureau.
Data is mapped on 2000 Census tracts
Percent African American by Census Tract, 2010
South Kern BHC Site, Kern County

Source: GeoLytics 2010 Summary File SF1, and US Census Bureau.
Data is mapped on 2000 Census tracts
Percent Non-Hispanic White by Census Tract, 1980
South Kern BHC Site, Kern County

Data is mapped on 2000 Census tracts
Percent Non-Hispanic White by Census Tract, 1990
South Kern BHC Site, Kern County

Data is mapped on 2000 Census tracts
Percent Non-Hispanic White by Census Tract, 2000
South Kern BHC Site, Kern County

Source: Census 2000, and US Census Bureau.
Data is mapped on 2000 Census tracts
Percent Non-Hispanic White by Census Tract, 2010
South Kern BHC Site, Kern County

Source: GeoLytics 2010 Summary File SF1, and US Census Bureau.
Data is mapped on 2000 Census tracts
Generational Trends
Age by Sex, California, 2005-09

Source: PERE analysis of 2005-2009 ACS data, at the block group level.
Age by Sex, Kern County, 2005-09

Source: PERE analysis of 2005-2009 ACS data, at the block group level.
Age by Sex, South Kern BHC Site, 2005-09

Source: PERE analysis of 2005-2009 ACS data, at the block group level.
Age Distribution by Race/Ethnicity
2005-2009

Source: PERE analysis of 2005-2009 ACS data
Dependency Ratio*
1990 to 2005-2009

*The Dependency Ratio is the population above the age of 64 and below the age of 18 as a share of the working age population (ages 18-64).

Youth by Race/Ethnicity*
2005-2009

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>South Kern BHC Site</th>
<th>Kern County</th>
<th>California</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other</td>
<td>3.7%</td>
<td>3.2%</td>
<td>3.9%</td>
</tr>
<tr>
<td>African American</td>
<td>5.5%</td>
<td>3.1%</td>
<td>6.4%</td>
</tr>
<tr>
<td>or Black</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asian or Pacific</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Islander</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Latino</td>
<td>85.7%</td>
<td>58.2%</td>
<td>48.9%</td>
</tr>
<tr>
<td>White</td>
<td>7.8%</td>
<td>30.0%</td>
<td>30.4%</td>
</tr>
</tbody>
</table>

* "Youth" includes everyone less than 18 years old
Youth in Poverty
1990 to 2005-2009

% of Youth (< 18 yrs. old)

South Kern BHC Site
- 1990: 33%
- 2000: 32%
- 2005-09: 37%

Kern County
- 1990: 25%
- 2000: 28%
- 2005-09: 28%

California
- 1990: 18%
- 2000: 19%
- 2005-09: 18%

Percent of Youth in Poverty by Age Group*
1990 to 2005-2009

South Kern BHC Site
Kern County
California

% of Age Group

1990 | 2000 | 2005-09
South Kern BHC Site | Kern County | California

* "Youth" includes everyone less than 18 years old
Percent of Youth in Poverty by Age Group*
2005-2009

South Kern BHC Site
- < 5 yrs: 37.0%
- 6-11 yrs: 38.0%
- 12-17 yrs: 35.7%

Kern County
- < 5 yrs: 32.3%
- 6-11 yrs: 27.5%
- 12-17 yrs: 24.2%

California
- < 5 yrs: 19.6%
- 6-11 yrs: 18.2%
- 12-17 yrs: 17.1%

* "Youth" includes everyone less than 18 years old
Economic Indicators
Percent of Population Below 150 Percent Federal Poverty Line (FPL)*  
1990 to 2005-2009

*Includes all persons living in households with household incomes below 150 percent of the FPL.
Median Household Income
1990 to 2005-2009

Data adjusted for inflation using the Consumer Price Index provided by California Department of Finance. Data in 2009 dollars.
Average Per Capita Income
1990 to 2005-2009

Data adjusted for inflation using the Consumer Price Index provided by California Department of Finance. Data in 2009 dollars.
Percent Poverty by Race/Ethnicity

South Kern BHC Site

<table>
<thead>
<tr>
<th>Year</th>
<th>White</th>
<th>Latino</th>
<th>Asian/Pacific Islander</th>
<th>Black</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>14%</td>
<td>30%</td>
<td>10%</td>
<td>40%</td>
</tr>
<tr>
<td>2005-09</td>
<td>18%</td>
<td>29%</td>
<td>11%</td>
<td>34%</td>
</tr>
</tbody>
</table>

Kern County

<table>
<thead>
<tr>
<th>Year</th>
<th>White</th>
<th>Latino</th>
<th>Asian/Pacific Islander</th>
<th>Black</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>12%</td>
<td>15%</td>
<td>12%</td>
<td>36%</td>
</tr>
<tr>
<td>2005-09</td>
<td>12%</td>
<td>28%</td>
<td>12%</td>
<td>35%</td>
</tr>
</tbody>
</table>

California

<table>
<thead>
<tr>
<th>Year</th>
<th>White</th>
<th>Latino</th>
<th>Asian/Pacific Islander</th>
<th>Black</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>8%</td>
<td>13%</td>
<td>8%</td>
<td>22%</td>
</tr>
<tr>
<td>2005-09</td>
<td>8%</td>
<td>10%</td>
<td>8%</td>
<td>20%</td>
</tr>
</tbody>
</table>

Educational Attainment by Race/Ethnicity
2005-2009

Source: PERE analysis of 2005-2009 ACS data
Employment Status by Race/Ethnicity
2005-2009

South Kern BHC Site

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Unemployed</th>
<th>Employed</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>7%</td>
<td>93%</td>
</tr>
<tr>
<td>Latino</td>
<td>13%</td>
<td>87%</td>
</tr>
<tr>
<td>Asian/Pacific Islander</td>
<td>6%</td>
<td>94%</td>
</tr>
<tr>
<td>Black</td>
<td>2%</td>
<td>98%</td>
</tr>
<tr>
<td>White</td>
<td>7%</td>
<td>91%</td>
</tr>
<tr>
<td>Latino</td>
<td>13%</td>
<td>87%</td>
</tr>
<tr>
<td>Asian/Pacific Islander</td>
<td>10%</td>
<td>88%</td>
</tr>
<tr>
<td>Black</td>
<td>16%</td>
<td>81%</td>
</tr>
</tbody>
</table>

Kern County

Source: PERE analysis of 2005-2009 ACS data
 Occupation by Race/Ethnicity  
2005-2009

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Production</th>
<th>Construction</th>
<th>Farming</th>
<th>Sales</th>
<th>Service</th>
<th>Management/Professional</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>19%</td>
<td>14%</td>
<td>26%</td>
<td>26%</td>
<td>25%</td>
<td>11%</td>
</tr>
<tr>
<td>Latino</td>
<td>18%</td>
<td>14%</td>
<td>11%</td>
<td>27%</td>
<td>16%</td>
<td>12%</td>
</tr>
<tr>
<td>Asian/Pacific Islander</td>
<td>26%</td>
<td>6%</td>
<td>27%</td>
<td>35%</td>
<td>15%</td>
<td>15%</td>
</tr>
<tr>
<td>Black</td>
<td>12%</td>
<td>13%</td>
<td>12%</td>
<td>15%</td>
<td>24%</td>
<td>36%</td>
</tr>
<tr>
<td>White</td>
<td>10%</td>
<td>12%</td>
<td>26%</td>
<td>26%</td>
<td>20%</td>
<td>20%</td>
</tr>
<tr>
<td>Latino</td>
<td>16%</td>
<td>4%</td>
<td>17%</td>
<td>22%</td>
<td>19%</td>
<td>19%</td>
</tr>
<tr>
<td>Asian/Pacific Islander</td>
<td>11%</td>
<td>6%</td>
<td>19%</td>
<td>20%</td>
<td>38%</td>
<td>38%</td>
</tr>
<tr>
<td>Black</td>
<td>16%</td>
<td>8%</td>
<td>22%</td>
<td>21%</td>
<td>30%</td>
<td>30%</td>
</tr>
</tbody>
</table>

Source: PERE analysis 2005-2009 ACS data.
Industry by Sex, 2005-2009

Housing Equity Indicators
Housing Tenure

South Kern BHC Site
Kern County
California

<table>
<thead>
<tr>
<th>Year</th>
<th>Renters</th>
<th>Owners</th>
</tr>
</thead>
<tbody>
<tr>
<td>1990</td>
<td>41%</td>
<td>59%</td>
</tr>
<tr>
<td>2000</td>
<td>38%</td>
<td>62%</td>
</tr>
<tr>
<td>2005-09</td>
<td>38%</td>
<td>62%</td>
</tr>
<tr>
<td>1990</td>
<td>41%</td>
<td>59%</td>
</tr>
<tr>
<td>2000</td>
<td>38%</td>
<td>62%</td>
</tr>
<tr>
<td>2005-09</td>
<td>38%</td>
<td>62%</td>
</tr>
<tr>
<td>1990</td>
<td>44%</td>
<td>56%</td>
</tr>
<tr>
<td>2000</td>
<td>43%</td>
<td>57%</td>
</tr>
<tr>
<td>2005-09</td>
<td>42%</td>
<td>58%</td>
</tr>
</tbody>
</table>

Housing Tenure by Race/Ethnicity
2005-2009

Source: PERE analysis of 2005-2009 ACS data

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Overcrowded Housing by Tenure
2005-2009

South Kern BHC Site
- All Overcrowded: 3.4%
- Owner Overcrowded: 2.4%
- Renter Overcrowded: 5%

Kern County
- All Overcrowded: 2.0%
- Owner Overcrowded: 0.9%
- Renter Overcrowded: 4%

California
- All Overcrowded: 3%
- Owner Overcrowded: 1%
- Renter Overcrowded: 5%

Source: PERE analysis of 2005-2009 ACS data
Health Equity Indicators
• 40% of adults are uninsured versus 25% in Kern County & 22%* in CA

• 25% of adults are insured by private coverage / employer versus 45%* in Kern County & 61%* in CA

• 1% of children are uninsured versus 6%* in Kern County & 5%* in CA

* Denotes statistically significant difference from BHC site estimate.

Environmental Justice Indicators
Health Risk and Exposure
South Kern BHC Site, Kern County

Source: Rachel Morello-Frosch (UC Berkeley), Manuel Pastor (USC), and James Sadd (Occidental College); analysis by USC's Program for Environmental and Regional Equity (PERE).
Social and Health Vulnerability
South Kern BHC Site, Kern County

Source: Rachel Morello-Frosch (UC Berkeley), Manuel Pastor (USC), and James Sadd (Occidental College); analysis by USC’s Program for Environmental and Regional Equity (PERE).
CUMULATIVE IMPACT

- Proximity to Hazards and Land Uses Associated with Air Pollution, and Sensitive Land Uses
- Health Risk Indicators
- Social Vulnerability Indicators
Regional Economic Trends
Kern County & South Kern BHC Site
Educational Requirements for New Jobs in the Region &
Educational Attainment by Race/Ethnicity
Population 25+
(2008-2010)

Educational Requirements (Projected, 2008-2018)
Educational Attainment (2008-10)

Kern County & South Kern BHC Site
Educational Requirements for New Jobs in the Region &
Educational Attainment by Race/Ethnicity
Population 25+
(2008-2010)

Less than an Associates Degree
Associates degree and/or occupational program
Bachelors degree or higher

New jobs
South Kern Site
Kern
Non-Hispanic White
African American (US born)
Latino (US born)
API (US born)
API (immigrant)
Other

65% 79% 78% 69% 74% 84% 95%
57% 53% 70% 11% 17% 7% 9%
12% 8% 2% 14% 7% 12% 24% 4%
15% 22% 14% 8% 3%
7% 9% 12% 8% 2%
14% 12% 7% 40% 18% 18% 12%
OCCUPATIONS AND INDUSTRIES – KERN COUNTY

Growth in Jobs and Earnings by Wage Level, 1990-2010

- **Jobs**
  - Low-Wage: 38%
  - Med-Wage: 56%
  - High-Wage: 3%

- **Earnings per worker**
  - Low-Wage: 2%
  - Med-Wage: 18%
  - High-Wage: 15%

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<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Utilities</td>
<td>$68,405</td>
<td>High</td>
<td>30%</td>
<td>24%</td>
</tr>
<tr>
<td>Mining</td>
<td>$63,332</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Professional, Scientific, and Technical Services</td>
<td>$49,518</td>
<td>Medium</td>
<td>24%</td>
<td>29%</td>
</tr>
<tr>
<td>Information</td>
<td>$48,632</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manufacturing</td>
<td>$47,594</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construction</td>
<td>$46,230</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wholesale Trade</td>
<td>$44,369</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Finance and Insurance</td>
<td>$42,548</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Management of Companies and Enterprises</td>
<td>$40,953</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health Care and Social Assistance</td>
<td>$38,778</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transportation and Warehousing</td>
<td>$38,193</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Real Estate and Rental and Leasing</td>
<td>$32,481</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administrative and Support and Waste Management</td>
<td>$27,967</td>
<td>Low</td>
<td>45%</td>
<td>48%</td>
</tr>
<tr>
<td>Retail Trade</td>
<td>$26,643</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Services (except Public Administration)</td>
<td>$23,522</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Agriculture, Forestry, Fishing and Hunting</td>
<td>$21,716</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Education Services</td>
<td>$18,728</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Arts, Entertainment, and Recreation</td>
<td>$17,553</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accommodation and Food Services</td>
<td>$13,139</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
EMPLOYMENT GROWTH – KERN COUNTY

Industry Size, Pay, and Growth
(Bubble size represents total employment in 2010)

- Agriculture/Forestry/Fishing & Hunting
- Health Care/Social Assistance
- Retail Trade
- Accommodation/Food
- Transportation/Warehousing
- REAL ESTATE
- Information
- Other Services (except Public Admin)
- Educational Services
- Administrative & Support/Waste Management & Remediation
- Professional/Scientific/Technical
- Finance/Insurance
- Management of Companies and Enterprises
- Construction
- Manufacturing
- Wholesale Trade
- Utility

Annual Average Earnings ($2010)

Employment Growth (%), 2000-2010

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Neighborhood Index: Using 5 indicators subtracting each from their mean of the county they are in and then dividing by the standard deviation.

Help determine the combined effect of social factors that impact health and well-being, including poverty, unemployment, less than high school education, cancer risk, and premature births.
Neighborhood Index
South Kern BHC Site, Kern County

Data is mapped on 2000 Census tracts

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