Appendix I. Overlay Results Maps

Figure 84. Blue is area ok Key West with Population percentage greater than 50% as minority
Figure 85. Red is area with Key West Population % percentage greater than 20% as people over 65 years old.
Figure 86. Identifies that neither issue in Figures 5 and 6 coincide.
Figure 87. Coincident minority and age overlap (darkened)
Figure 89. Critical census block overlain with parcel and hospital data.
Figure 90. Initial Hotspot method results.
Figure 91-118. Three ZIP codes graphed.

Figure 91.
Figure 92.
Figure 93.

**Vulnerable Zip Codes in Broward County, FL in Terms of Social Vulnerability Index, Sea Level Rise (SLR), Groundwater (GW), and COPD**

- **COPD Rates**: Age-Adjusted rates over 8 yrs (Cases/1000 residents) (2005-2012)
- **Social Vulnerability Index** (from American Community Survey 2007-11)
  - Low
  - Medium
  - High

**Areas Likely to Flood With Different Levels of SLR**
- **Seasonal Flooding with 1ft SLR** (< 1ft of GW storage)
- **Seasonal Flooding with 2ft SLR** (1 - 2ft of storage)
- **Seasonal Flooding with 3ft SLR** (2 - 3ft of storage)
Figure 94.

Vulnerable Zip Codes in Broward County, FL in Terms of COPD Rates
Figure 95.

Vulnerable Zip Codes in Broward County, FL in Terms of Social Vulnerability Index, Sea Level Rise (SLR), Groundwater (GW), and Pneumonia.

- Pneumonia Rates
  - Age-Adjusted rates over 8 yrs (Cases/1000 residents) (2005-2012)

- Social Vulnerability Index (from American Community Survey 2007-11)

- Areas Likely to Flood With Different Levels of SLR
  - Seasonal Flooding with 1ft SLR (< 1ft of GW storage)
  - Seasonal Flooding with 2ft SLR (1 - 2ft of storage)
  - Seasonal Flooding with 3ft SLR (2 - 3ft of storage)
Figure 96.

Pneumonia Rates Age-Adjusted rates over 8 yrs (Cases/1000 residents) (2005-2012)

- 0.67 - 0.89
- 0.90 - 1.19
- 1.20 - 1.63
- 1.64 - 1.92
- 1.93 - 3.42

Vulnerable Zip Codes in Broward County, FL in Terms of Pneumonia Rates
Figure 97. Vulnerable Zip Codes in Broward County, FL in Terms of Social Vulnerability Index
Figure 98.
Vulnerable Zip Codes in Miami Dade County, FL based on Asthma Rates

Asthma Rates Age-Adjusted rates over 8 yrs (Cases/1000 residents) (2005-2012)

- Green: 0.00 - 2.11
- Light Green: 2.12 - 2.93
- Yellow: 2.94 - 3.68
- Orange: 3.69 - 5.34
- Red: 5.35 - 12.88

Figure 99.
Figure 100.
Figure 101. Vulnerable Zip Codes in Miami Dade County, FL based on COPD Rates.
Vulnerable Zip Codes in Miami Dade County, FL based on Pneumonia Rates

Pneumonia Rates
Age-Adjusted rates over 8 yrs
(Cases/1000 residents)
(2005-2012)

- 0.00 - 1.09
- 1.10 - 1.47
- 1.48 - 1.79
- 1.80 - 2.07
- 2.08 - 3.48

Figure 102.
Figure 103.
Figure 105.
Vulnerable Zip Codes in Palm Beach County, FL in Terms of Asthma Rates

Legend

- **0.40 - 1.55**
- **1.56 - 2.10**
- **2.11 - 2.56**
- **2.57 - 3.87**
- **3.88 - 13.18**

Asthma Rates Age-Adjusted rates over 8 yrs (Cases/1000 residents) (2005-2012)

Figure 106.
Figure 107.

Vulnerable Zip Codes in Palm Beach County, FL in Terms of Social Vulnerability Index, Sea Level Rise (SLR), Groundwater (GW), and COPD

Areas Likely to Flood With Different Levels of SLR

- **Seasonal Flooding with 1ft SLR** (< 1ft of GW storage)
- **Seasonal Flooding with 2ft SLR** (1 - 2ft of storage)
- **Seasonal Flooding with 3ft SLR** (2 - 3ft of storage)

Social Vulnerability Index (from American Community Survey 2007-11)

- **Low** 0.00 - 0.52
- **Medium** 0.53 - 0.65
- **High** 0.66 - 0.84
- **COPD Rates** 0.85 - 1.25
- **Age-Adjusted rates** 1.26 - 1.97

COPD Rates: Age-Adjusted rates over 8 yrs (Cases/1000 residents) (2005-2012)
Vulnerable Zip Codes in Palm Beach County, FL in Terms of COPD Rates

COPD Rates Age-Adjusted rates over 8 yrs (Cases/1000 residents) (2005-2012)

- 0.00 - 0.52
- 0.53 - 0.65
- 0.66 - 0.84
- 0.85 - 1.25
- 1.26 - 1.97

Figure 108.
Vulnerable Zip Codes in Palm Beach County, FL in Terms of Social Vulnerability Index, Sea Level Rise (SLR), Groundwater (GW), and Pneumonia

Areas Likely to Flood With Different Levels of SLR

- Seasonal Flooding with 1ft SLR (< 1ft of GW storage)
- Seasonal Flooding with 2ft SLR (1 - 2ft of storage)
- Seasonal Flooding with 3ft SLR (2 - 3ft of storage)

Social Vulnerability Index (from American Community Survey 2007-11)

- Low: 0.00 - 0.82
- Medium: 0.83 - 1.23
- High: 1.24 - 1.59
- Age-Adjusted rates over 8 yrs (Cases/1000 residents) (2005-2012)

Figure 109.
Vulnerable Zip Codes in Palm Beach County, FL in Terms of Pneumonia Rates

- **0.00 - 0.82**: Pneumonia Rates Age-Adjusted rates over 8 yrs (Cases/1000 residents) (2005-2012)
- **0.83 - 1.23**
- **1.24 - 1.59**
- **1.60 - 2.01**
- **2.02 - 7.77**

Figure 110.
Vulnerable Zip Codes in Palm Beach County, FL in Terms of Social Vulnerability Index

Social Vulnerability Index

- **16.9 - 29.1**
- **29.2 - 38.1**
- **38.2 - 45.4**
- **45.5 - 64.8**
- **64.9 - 73.7**

Figure 111.
Figure 112.
Figure 113.
Figure 115.
Figure 116.
Figure 117.