

K A T I E E B O Y L E M P H

VISUAL MEDIA PROJECT PORTFOLIO

Katie E. Boyle has spent her academic and professional career working on a broad range of projects in public health research, environmental science, GIS (data development, spatial analysis and cartography), data visualization, urban health, community-based participatory research (healthy food environments), eye-care in Latin America, lead poisoning prevention and international advocacy in family planning and reproductive health. She also owns a small business, Boyle's Naturals, which opened in 2018 with the dual mission of making toxin-free personal care and also educating consumers about the public health issues of our day. Profits from product sales fund this free public health education for consumers, community advocacy and the Handing Down Health podcast. Katie is behind the successful product, PIT GRIT® Underarm Scrub, an innovative solution to body odor sold online and in stores nationally.

Katie earned a BA in Spanish and BS in Environmental Geology from Northeastern University in 2002, a Certificate in GIS from the University of New Haven in 2004, a 200-hour Yoga Teacher Certification from Samadhi Yoga Studio in Manchester, CT and a Master of Public Health from the University of Connecticut in 2009. Katie is proficient in spoken and written Spanish and lives in Connecticut with her husband, two daughters and two dogs.

Select project samples are provided on the following pages. Please contact Katie at 860.227.9558 or Katie.E.Boyle@gmail.com for more information.



Prevention



saves money, saves time,
eliminates any need for:
repeat testing,
quarantining,
doctor visits,
fights with insurance
and **oh yea**

IT JUST MIGHT SAVE YOUR LIFE.

Graphic by Katie E. Boyle, MPH



2020 Social media graphic. Image is hyperlinked to Boyle's Naturals Instagram page.



CONVENIENCE





▶ 2020 Graphic for podcast entitled “Racism continues to rear its ugly head and this small business isn’t having it.”
Image is hyperlinked to Boyle’s Naturals podcast page at boylesnaturals.com/podcast

BOYLE
PUBLIC
HEALTH

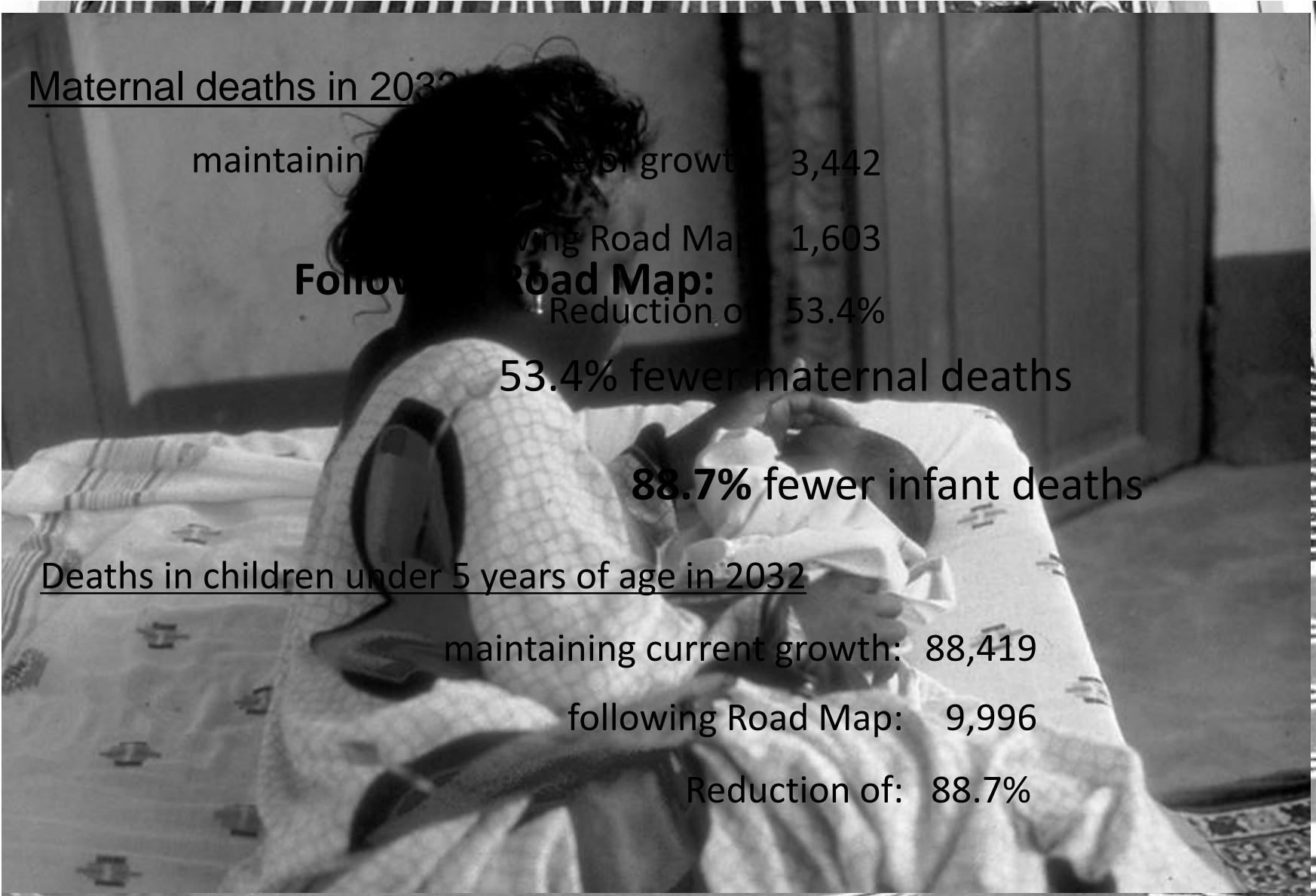
@BoyleHealth

HIGH-END & CELEB FRAGRANCE LINES:

glamorous,
alluring
and toxic



2020 Graphic for blog entitled, “Men and their fragrances.” Image is hyperlinked to Boyle’s Naturals blog page at boylesnaturals.com/blog.



Maternal deaths in 2032

maintaining current rate of growth: 3,442

following Road Map: 1,603

Follow the Road Map:

Reduction of: 53.4%

53.4% fewer maternal deaths

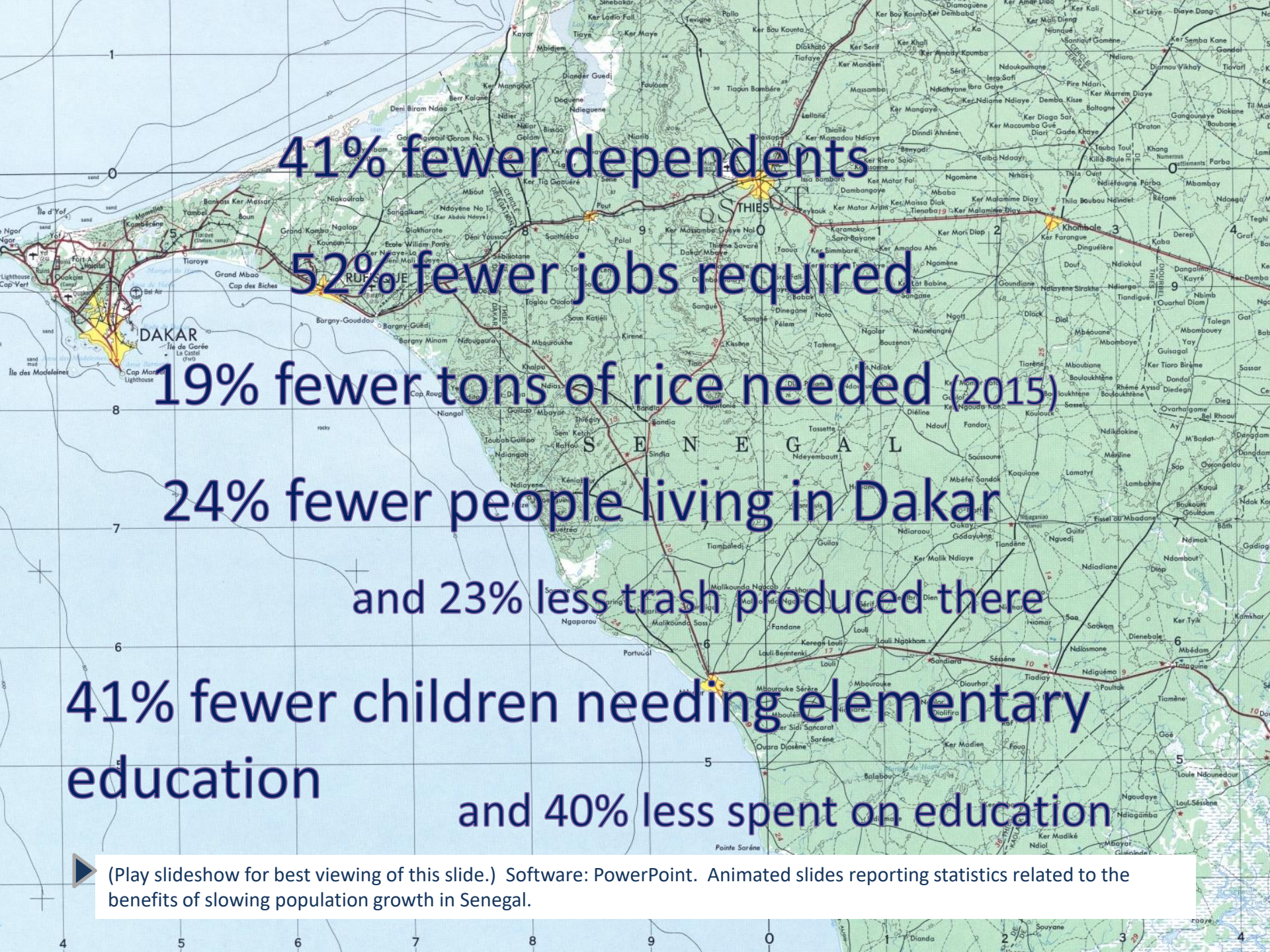
88.7% fewer infant deaths

Deaths in children under 5 years of age in 2032

maintaining current growth: 88,419

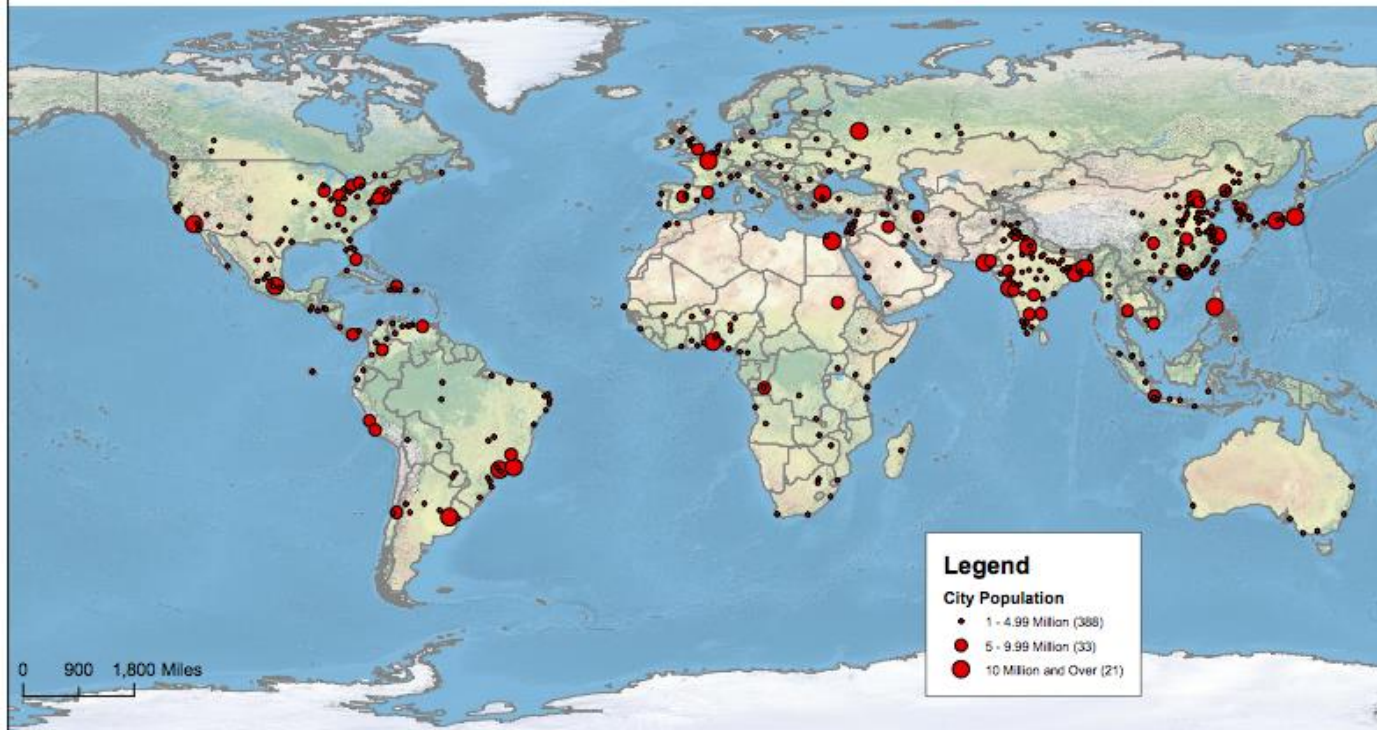
following Road Map: 9,996

Reduction of: 88.7%



(Play slideshow for best viewing of this slide.) Software: PowerPoint. Animated slides reporting statistics related to the benefits of slowing population growth in Senegal.

Global City Populations based on UN 2009 Data



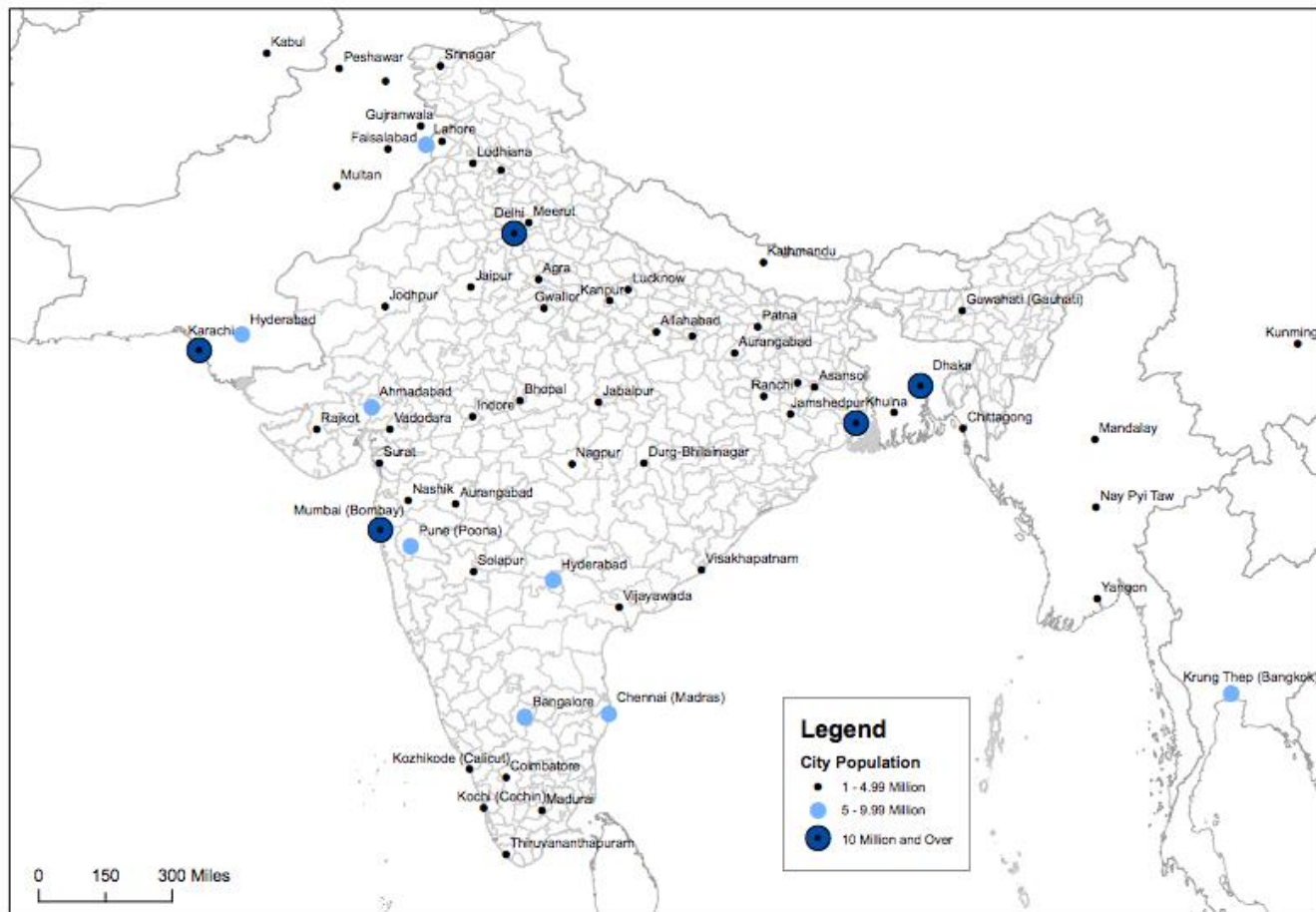
Based on UN data, 442 cities have populations with 1 million inhabitants or more.

Data Sources: ESRI World Physical Map layer;
Natural Earth Data populated places and countries file;
UN File 12: Population of Urban Agglomerations with
750,000 Inhabitants or More in 2009, by Country,
1950-2025 /POP/DB/WUP/Rev.2009/2/F12

11/23/10



Software: ArcGIS. Map showing megacities with populations over 1 million for UNAIDS Global Urban RAPID Presentation.

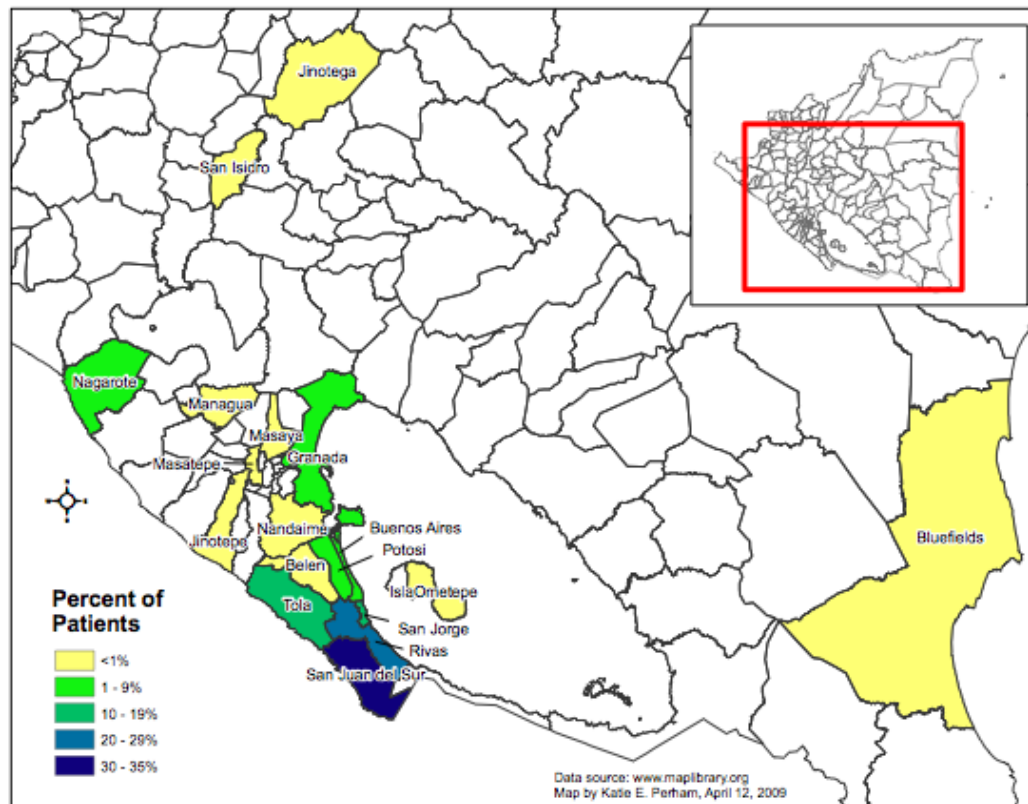


Data Sources: Natural Earth Data populated places and countries file; UN File 12: Population of Urban Agglomerations with 750,000 Inhabitants or More in 2009, by Country, 1950-2025 /POP/DB/WUP/Rev.2009/2/F12

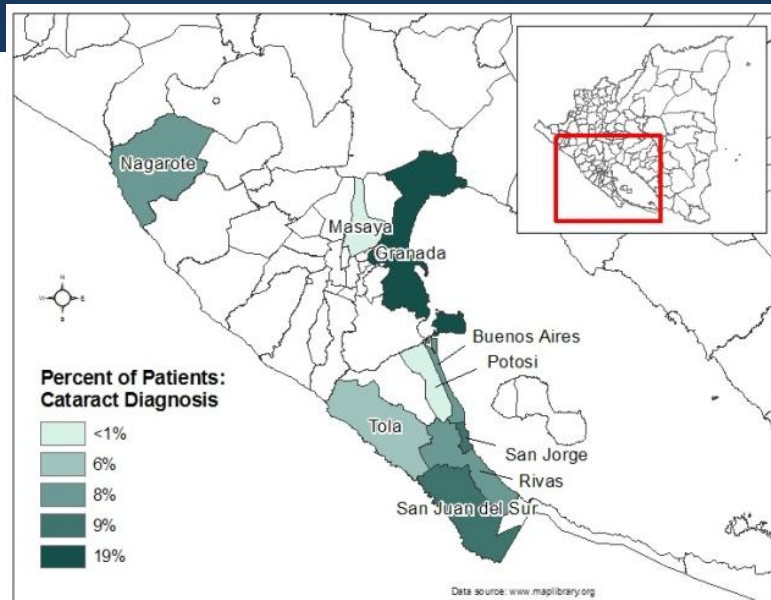
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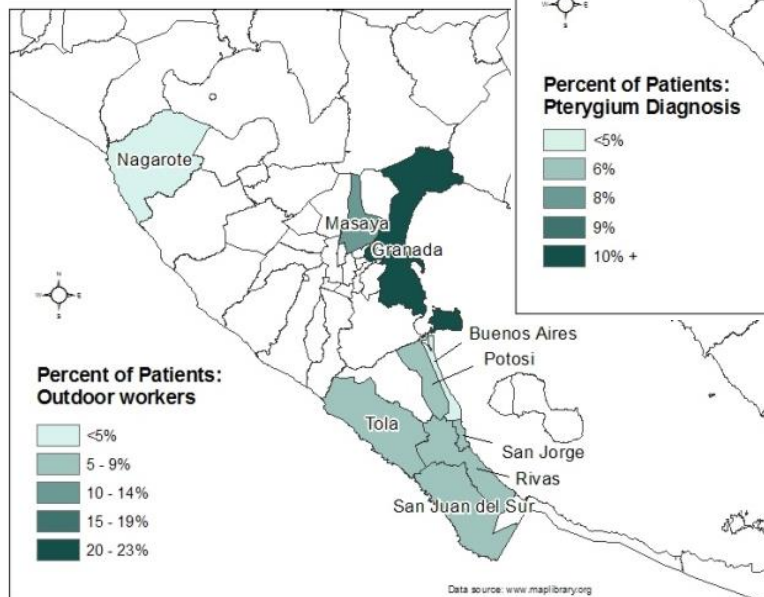
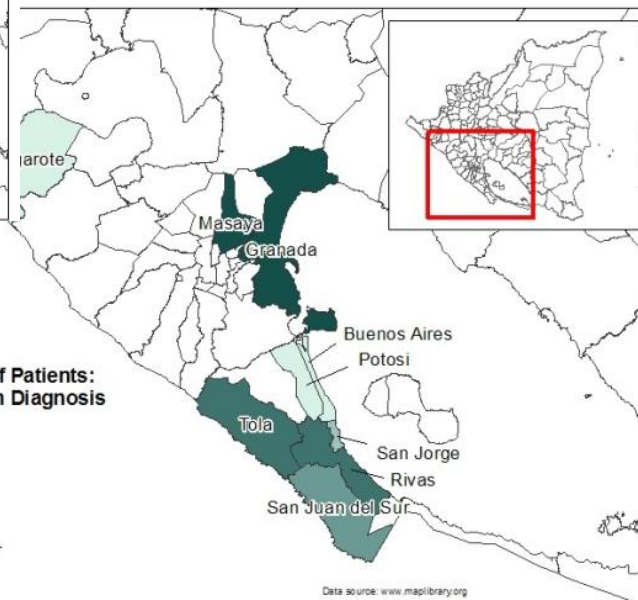
Software: ArcGIS. Map showing megacities with populations over 1 million in India for UNAIDS Global Urban RAPID Presentation.

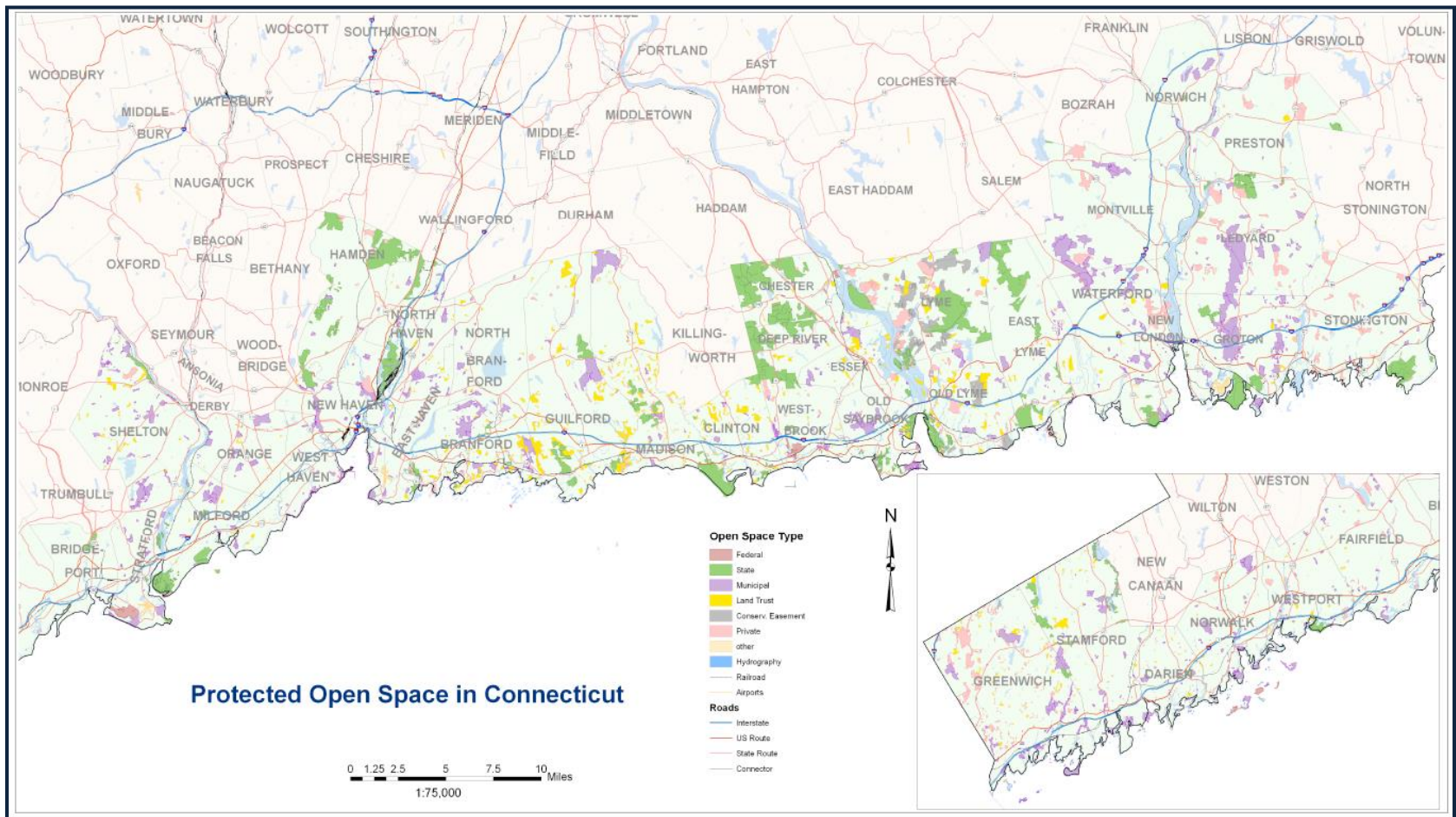


- Software: ArcGIS. Volunteer Optometric Services for Humanity, CT Chapter (VOSH-CT) holds its annual eye-care clinic in San Juan del Sur, Nicaragua. Created in 2009. This figure shows the towns from which patients attended during the 2009 clinic and the percent coming from each. Main goals of this analysis for VOSH/CT were to help clinic directors:
- Better understand the clinic's reach,
 - Identify areas most in need,
 - Target places to advertise,
 - Plan the most efficient bus routes, and
 - Determine supply needs for next year.

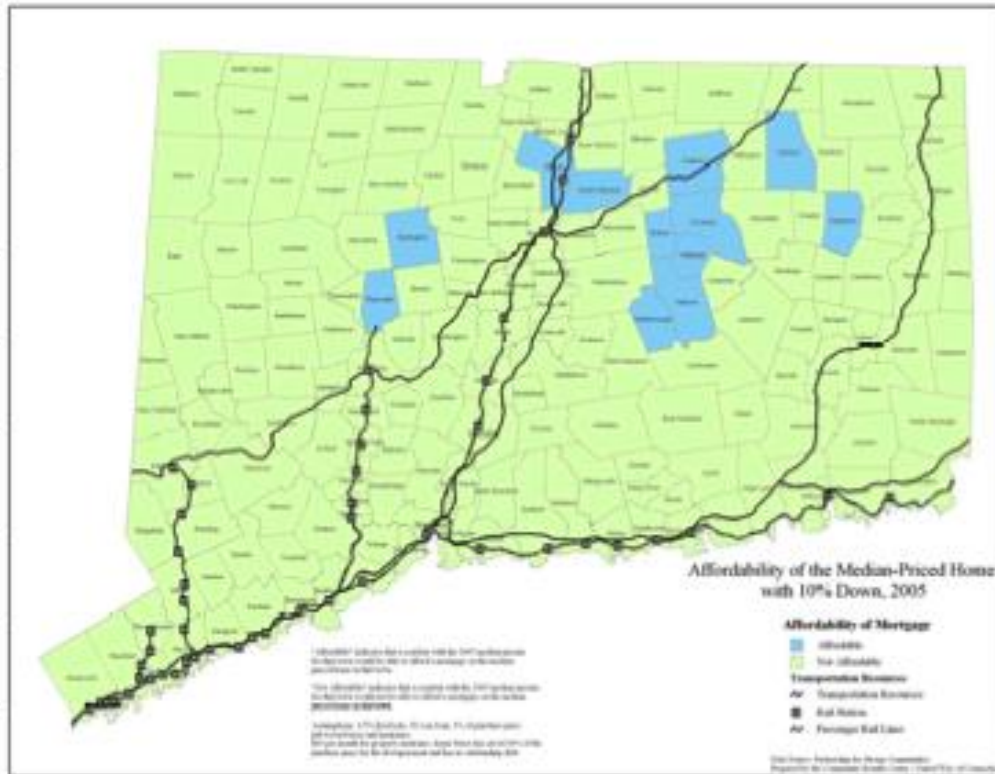


► Software: ArcGIS. This series of maps for VOSH/CT Eye-Care Clinic in Nicaragua shows the percent of patients within each town who received cataract or pterygium diagnoses at the clinic. The bottom map shows the percent who work outside, which is a known risk factor for eye diseases. The town of Granada has the highest percentage of each.





► Software: ArcGIS. Map showing areas meeting the CT Department of Environmental Protection's definition of protected open space, produced while working as a Project Manager at Applied Geographics, Inc. This map shows Phase I of the project, which comprised the coastal towns along the southern border of Connecticut.



HomeConnecticut included the analysis in a report entitled, *Connecticut Home Prices: 157 out of 169 Towns Unaffordable for Many*, and the 2005 map was shown in a May 24, 2006 Fox61 nightly news report. The full study is available at www.homeconnecticut.org.

Software: ArcGIS. For the United Way Connecticut Community Results Center, Katie assisted in a study of housing affordability in Connecticut towns. Blue towns are identified as “affordable” based on comparing the median household income with the mortgage amount for a median priced home with 10% down. Data came from the Partnership for Strong Communities.

