

Mapping Migraine Prevalence & Urgent Care Access

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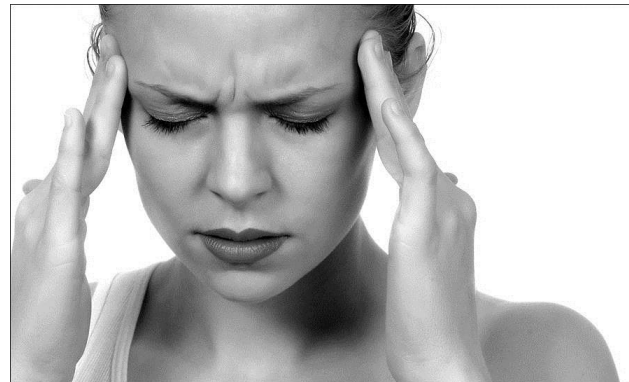
Public Health Problem of Interest

Major/Overarching Issue

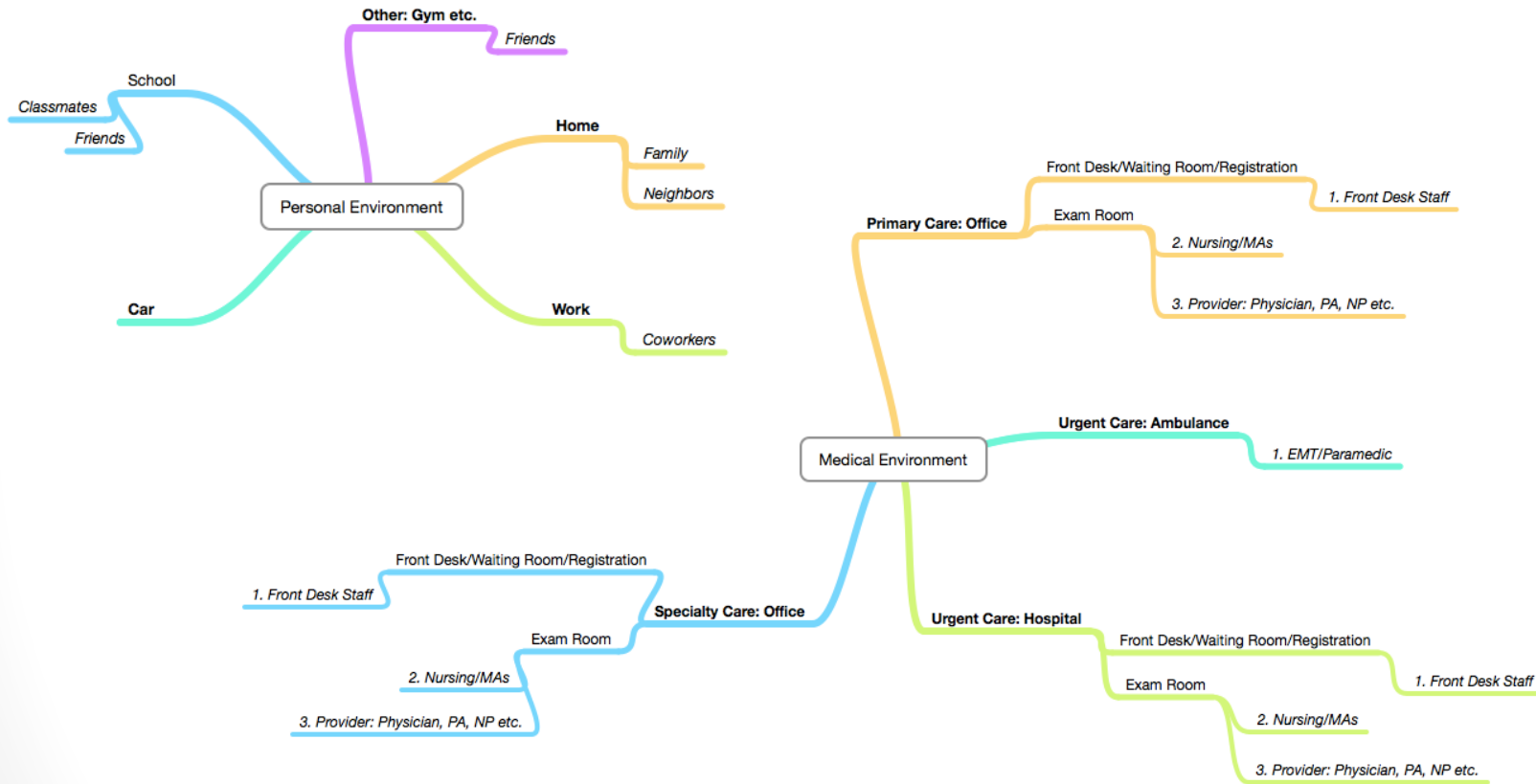
- Poor management and treatment options for people suffering from migraines and/or chronic headaches (MCH).

Focal Issue for Current Project

- Underutilization of Urgent Care facilities by people with MCH.



Conceptual Framework



Conceptual Framework

- **Public Health Interventions**
 - Behavioral
 - Environmental
- Behavioral: Individual behavior change
 - Smoking cessation
 - Teach family members therapeutic techniques
- Environmental: Structural or Legal
 - Raising the price of cigarettes
 - Redesigning Emergency Departments (EDs) to be more conducive to healing



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Focus Area

Environmental Intervention

- Where: Emergency Departments / Urgent Care Facilities
 - In Rhode Island
- Who: Adults (18+) who have been clinically diagnosed with MCH and/or who have experienced MCH and are self-diagnosed
- Why:
 - High Prevalence, Impact on Society, Quality of life



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Literature & Rationale

High Prevalence

- 20% of Neurologist patients are MCHs¹
- There are currently 28 people with MCHs²
- Females are 3x more likely to have MCHs²
- Nearly 1 in 4 Households have at least 1 member with MCHs²

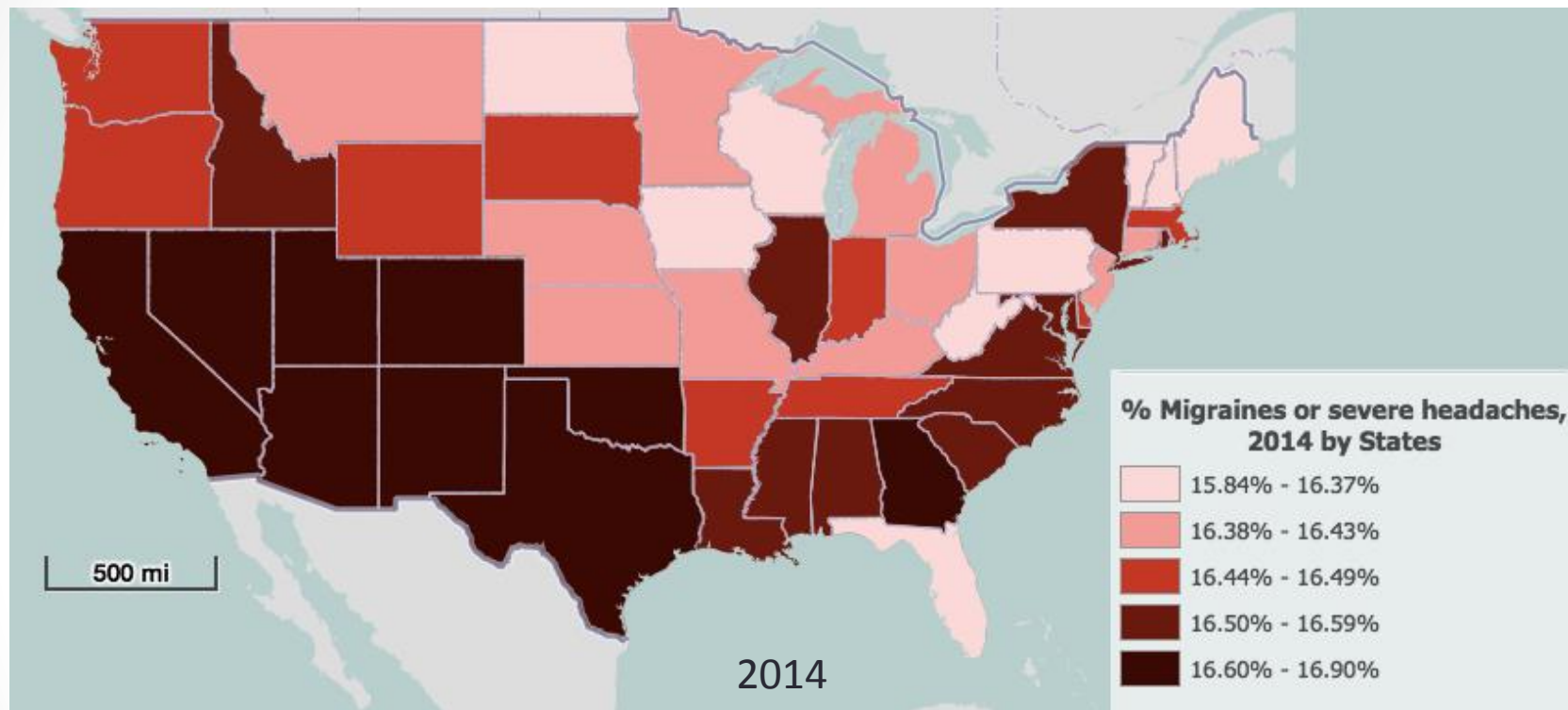
Cost to Society

- Direct costs, \$2.5 billion/year³
- Indirect costs, \$13 billion/year⁴
 - Absenteeism & reduced effectiveness



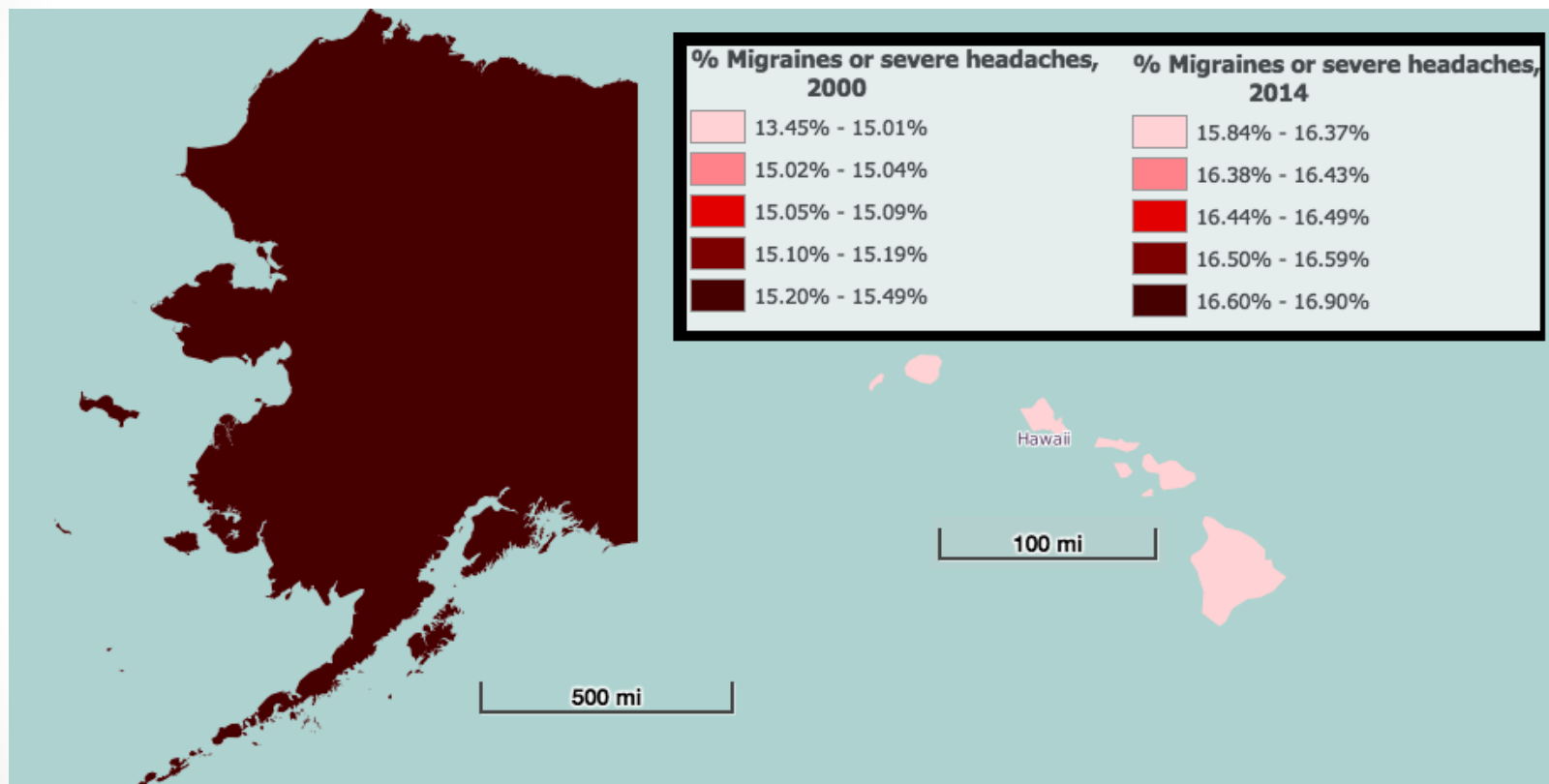
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Mapping MCH in the USA 2014



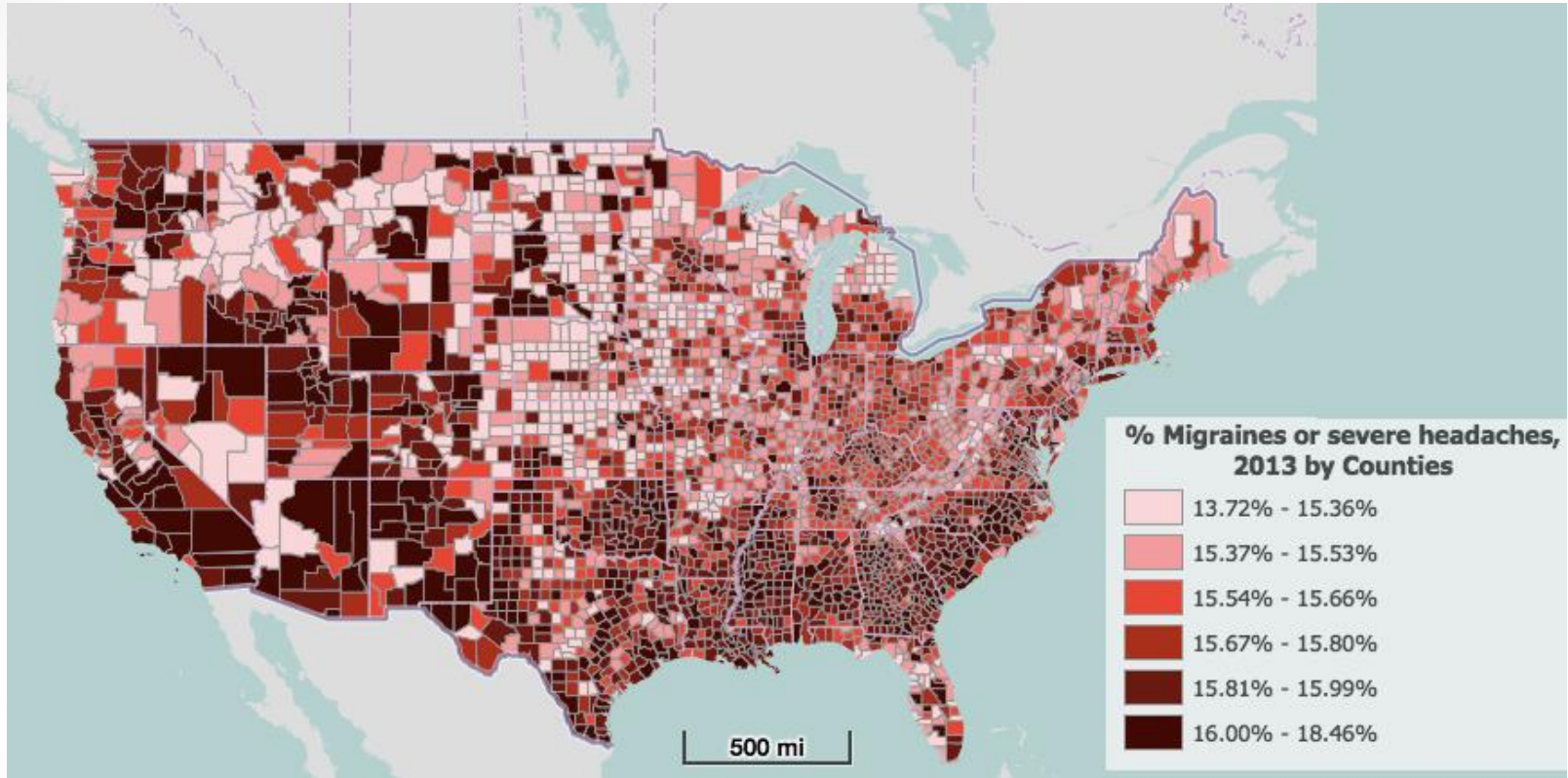
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Alaska & Hawaii- 2000 & 2014

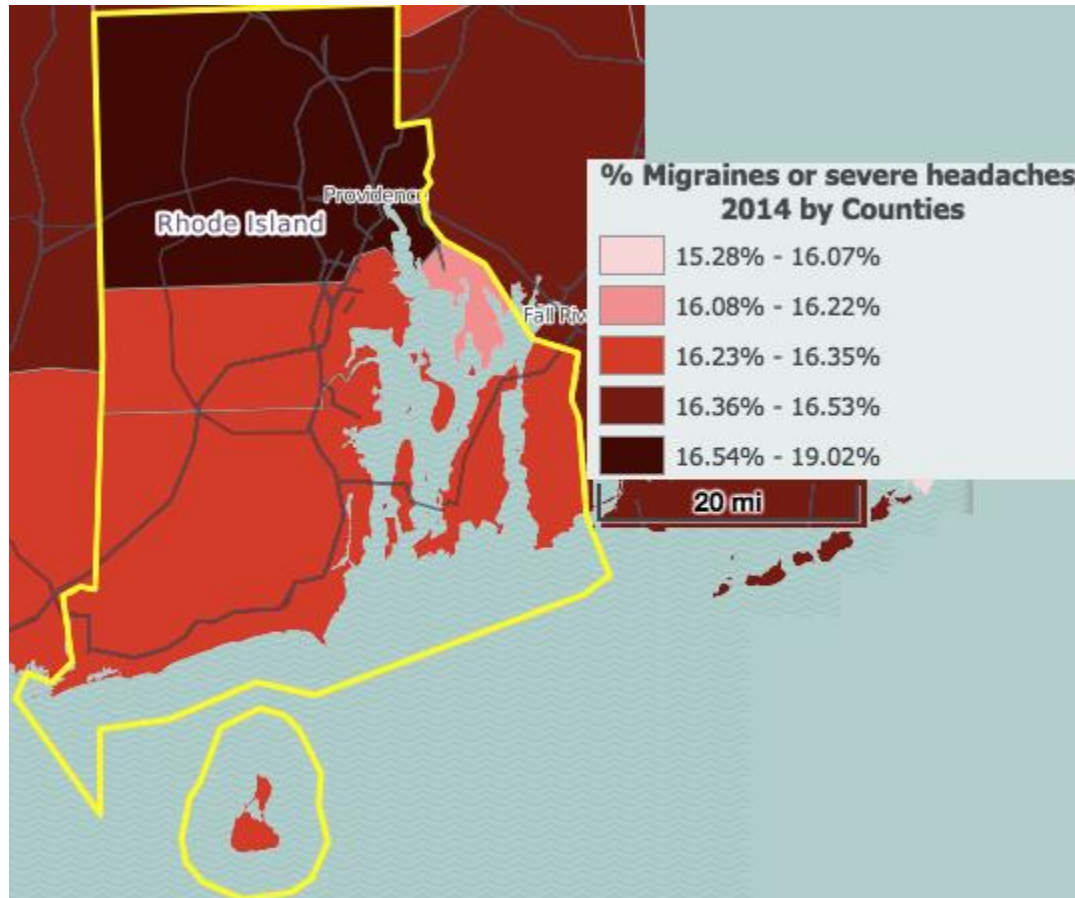


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USA by County

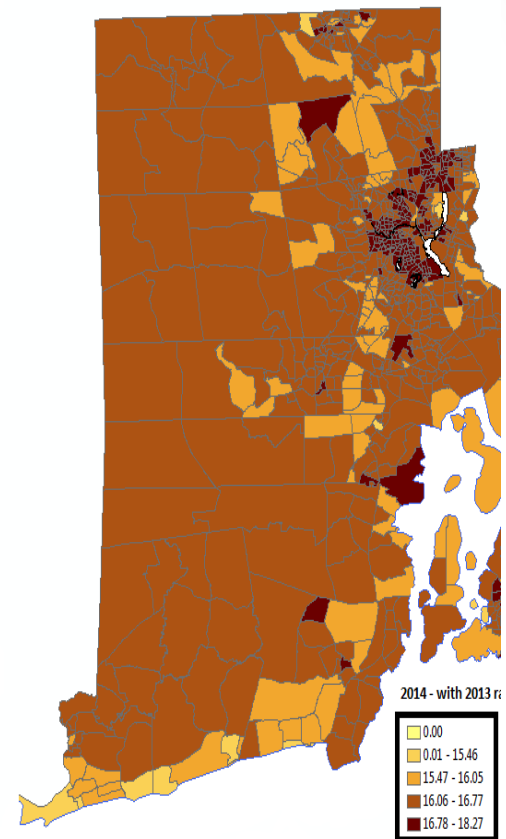
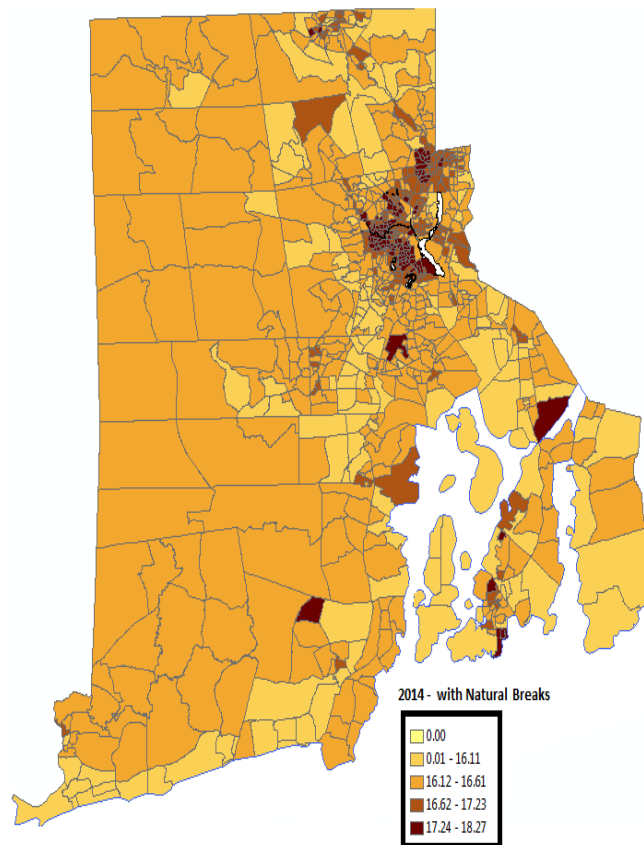
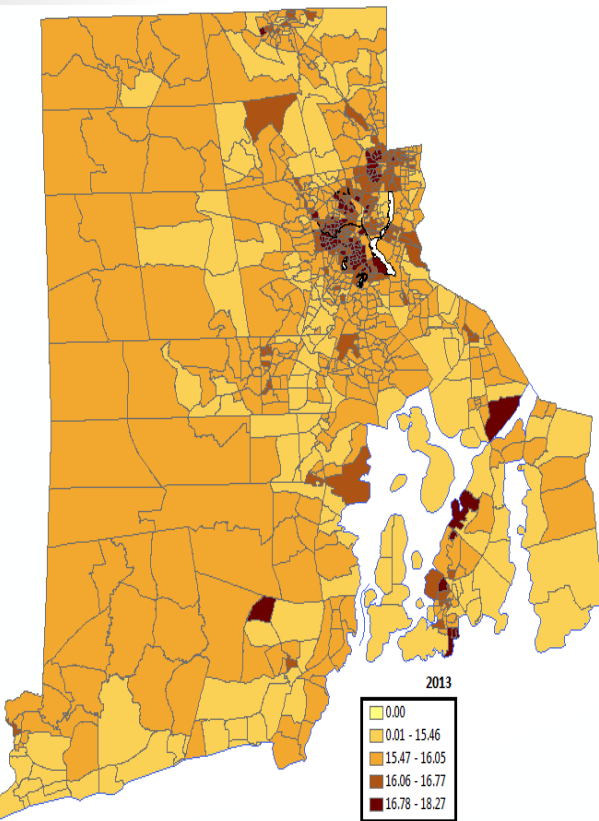


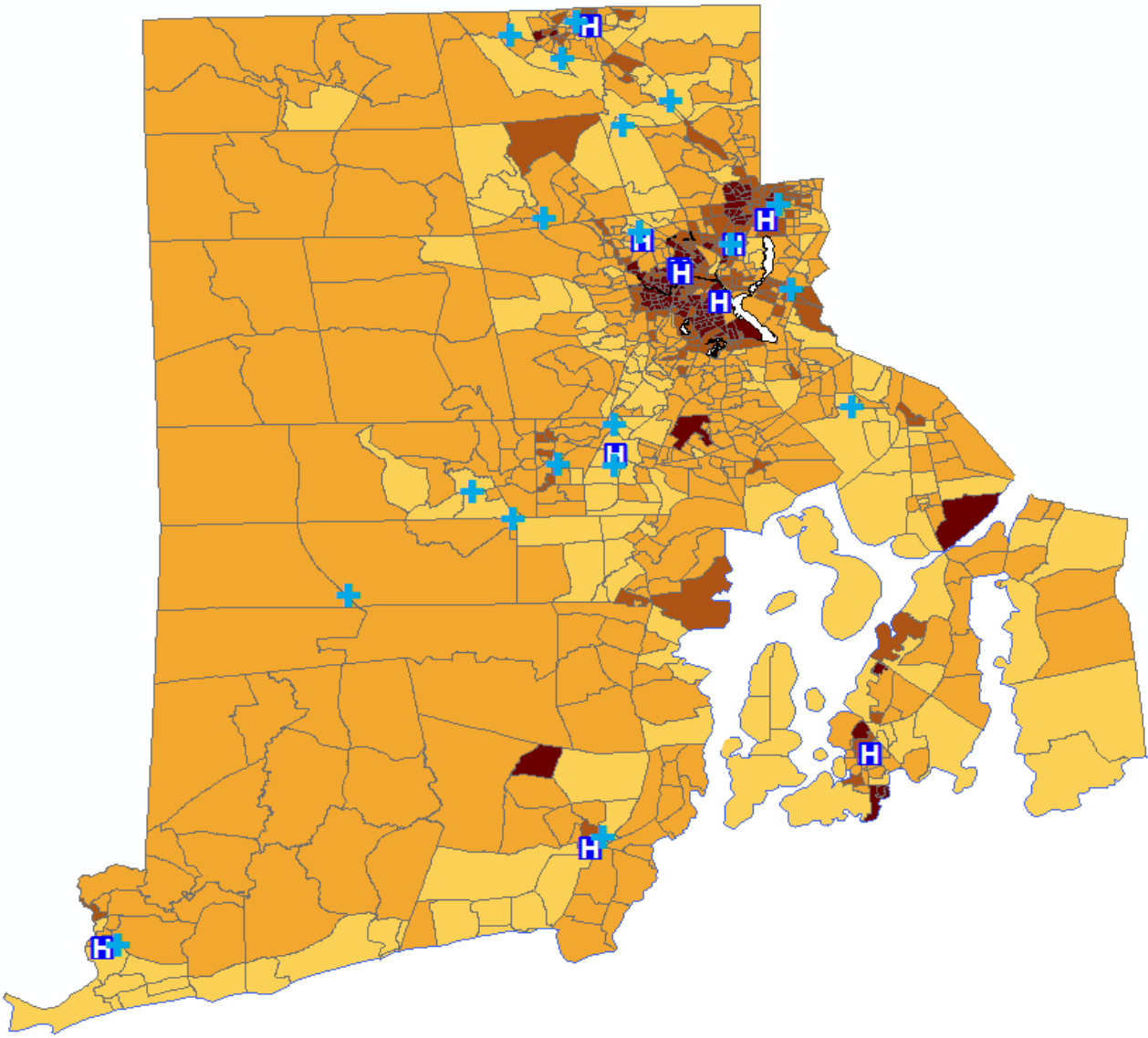
RI by County 2014



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Rhode Island by Block Groups

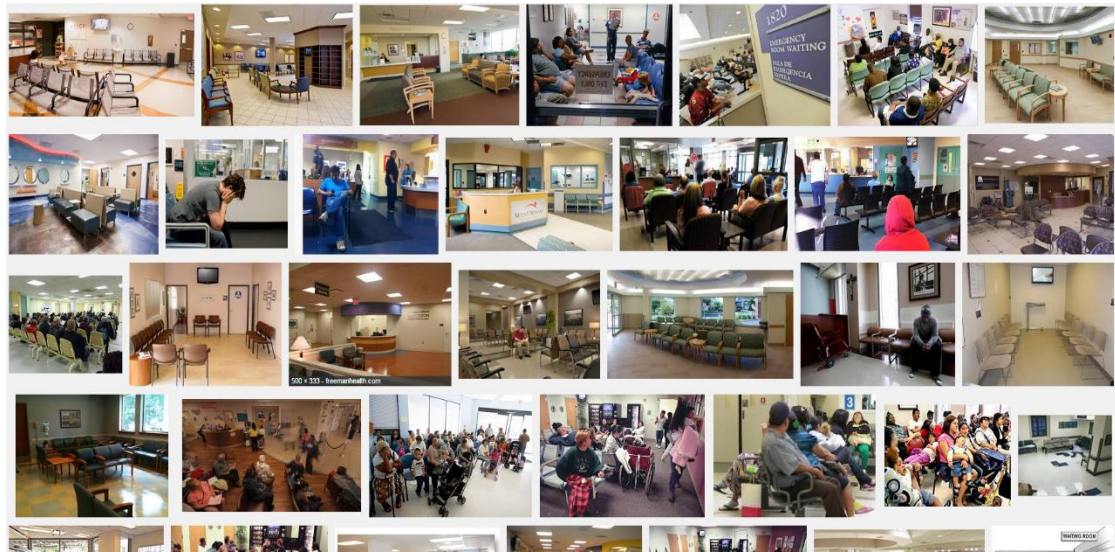




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Access

Utilization



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References

¹ IMS Audit, January 1999 [*Note: IMS is a market research company that audits physician visits in representative samples to identify reasons for visits and patterns of treatment.*]

² Lipton RB, Stewart WF, Diamond S, et al. Prevalence and burden of migraine in the United States: data from the American Migraine Study II. *Headache*. 2001;41(7):646-657.

³ Hu HX, Markson LE, Lipton RB, et al. Burden of migraine in the United States: disability and economic costs. *Arch Intern Med*. 1999;159(8):813-818.

⁴ Stewart WF, Lipton RB, Simon D. Work-related disability: results from the American migraine study. *Cephalalgia*. 1996;16(4):231-238.



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