

# Availability of Contraceptive Providers in Hawai'i

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2020 Queen's Summer Research Internship



**THE QUEEN'S  
MEDICAL CENTER**

# BACKGROUND

- Comprehensive contraceptive care is a basic healthcare need
- Availability of contraceptive providers in Hawai'i is unknown
- **Objective:** determine availability of contraceptive providers on the neighbor islands at outpatient clinical sites
  - Doctor's offices and clinics
  - Advanced practice clinicians offices
  - Federally qualified health centers

# METHODS



Compile list of  
providers



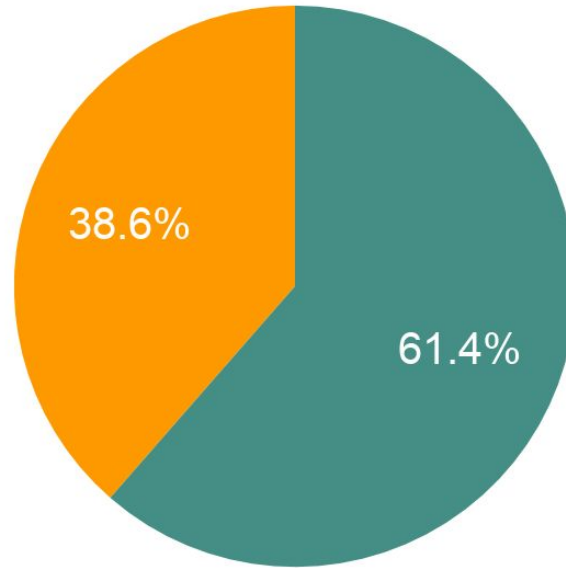
Conduct phone  
interviews

# METHODS

- Organized providers by two categories:
  - Those that provide IUDs, implants, or sterilization
  - Those that provide any one form of contraception
    - IUDs
    - Implants
    - Hormonal injection
    - Oral contraceptive pills
    - Patch
    - Vaginal ring
    - Emergency contraception pills

# RESULTS (n=127)

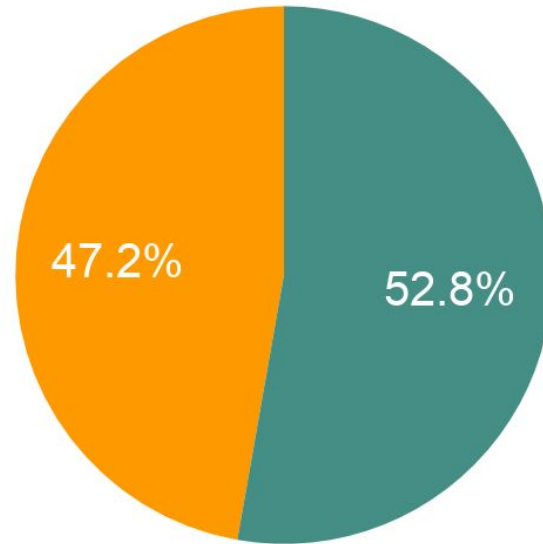
Percent of Contraceptive Providers on Neighbor Islands



● Provide any forms ● Do not provide

# BIG ISLAND (n=72)

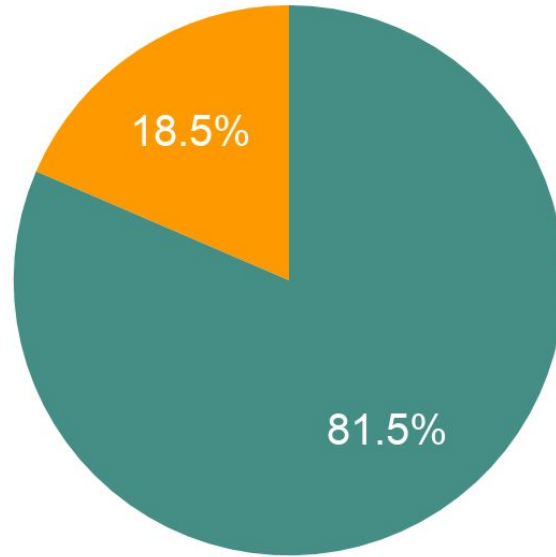
Percent of Contraceptive Providers on Big Island



● Provide any forms ● Do not provide

# MAUI (n=27)

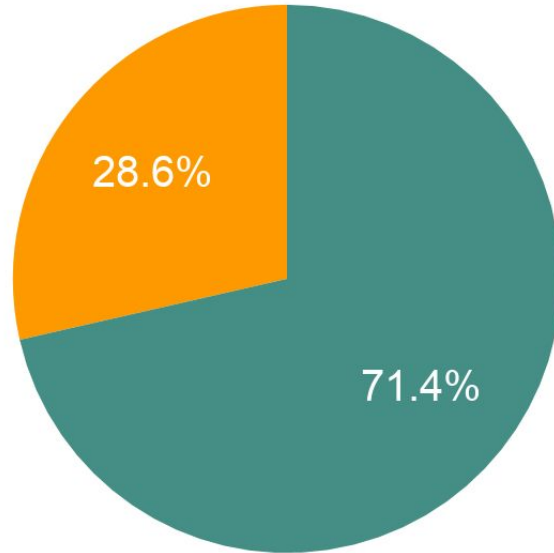
Percent of Contraceptive Providers on Maui



● Provide any forms ● Do not provide

# KAUA'I (n=21)

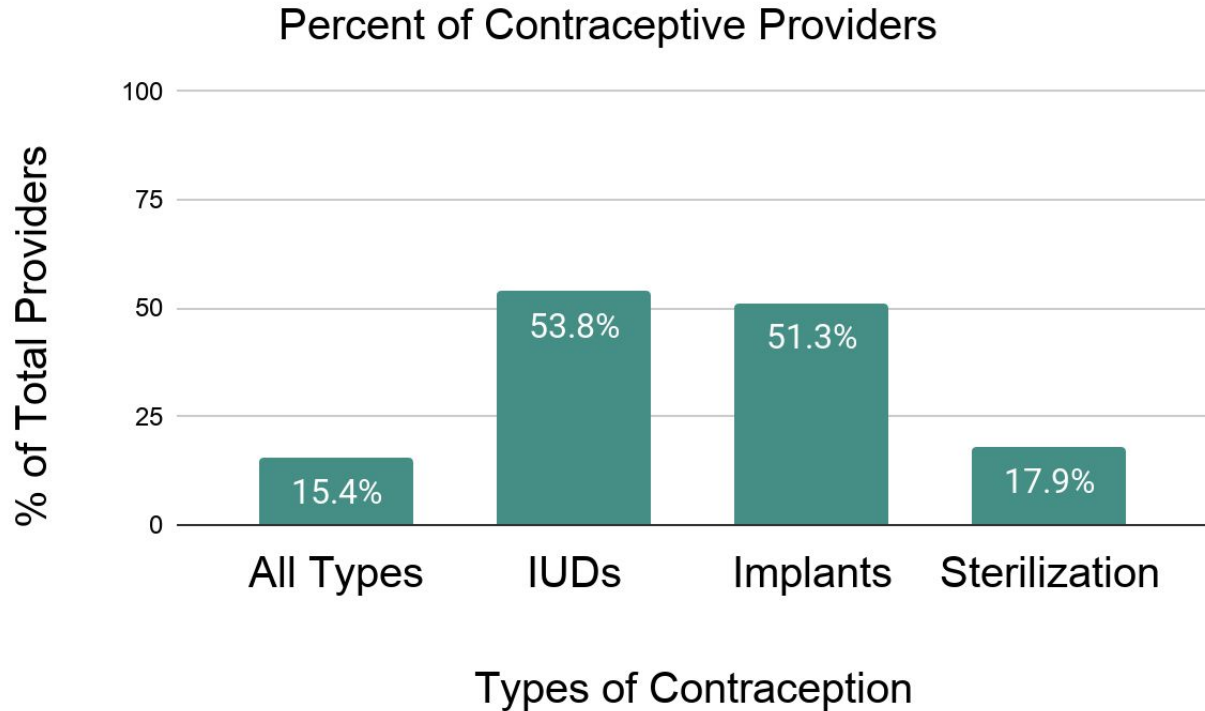
Percent of Contraceptive Providers on Kaua'i



● Provide any forms ● Do not provide

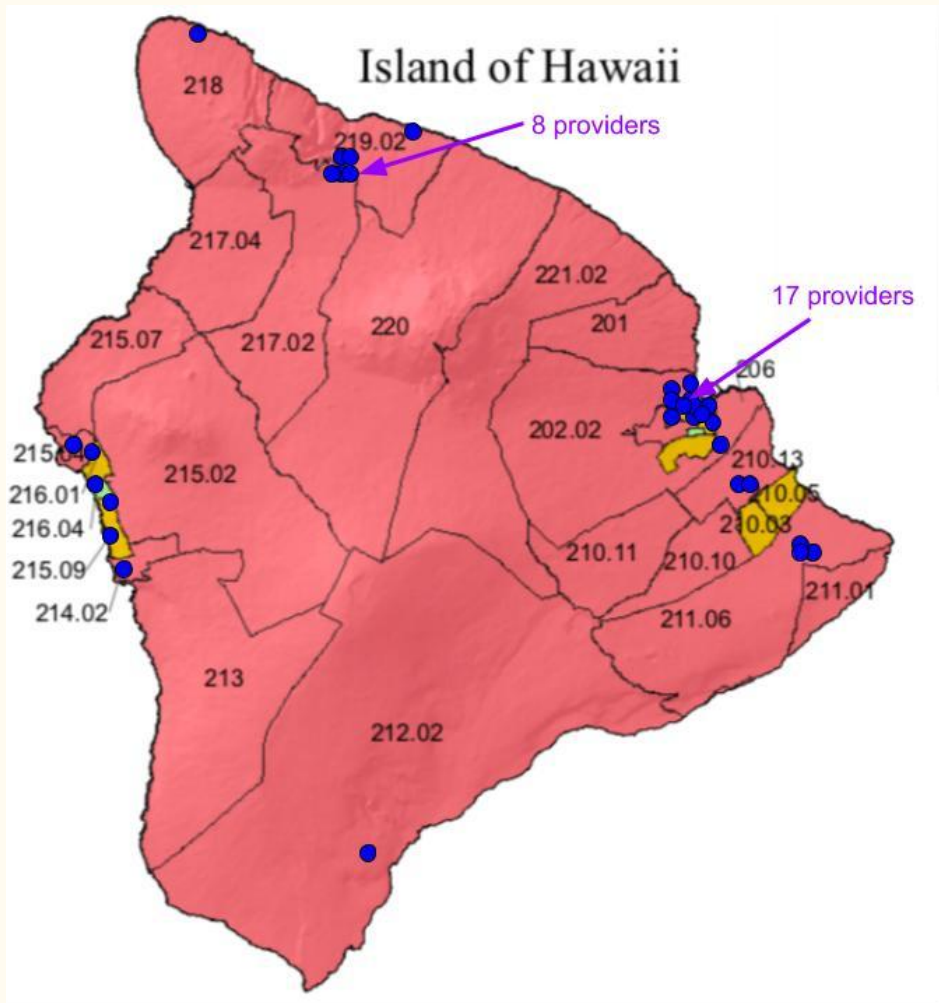


# RESULTS (n =78)

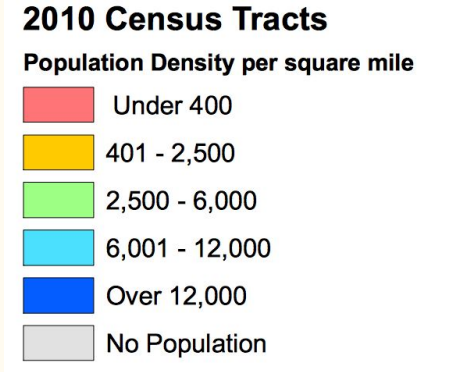


# Provider Maps

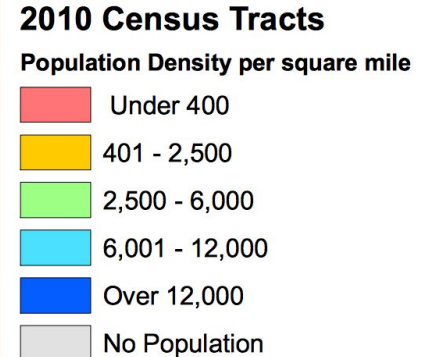
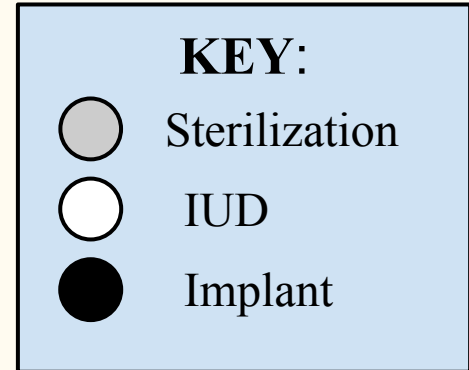
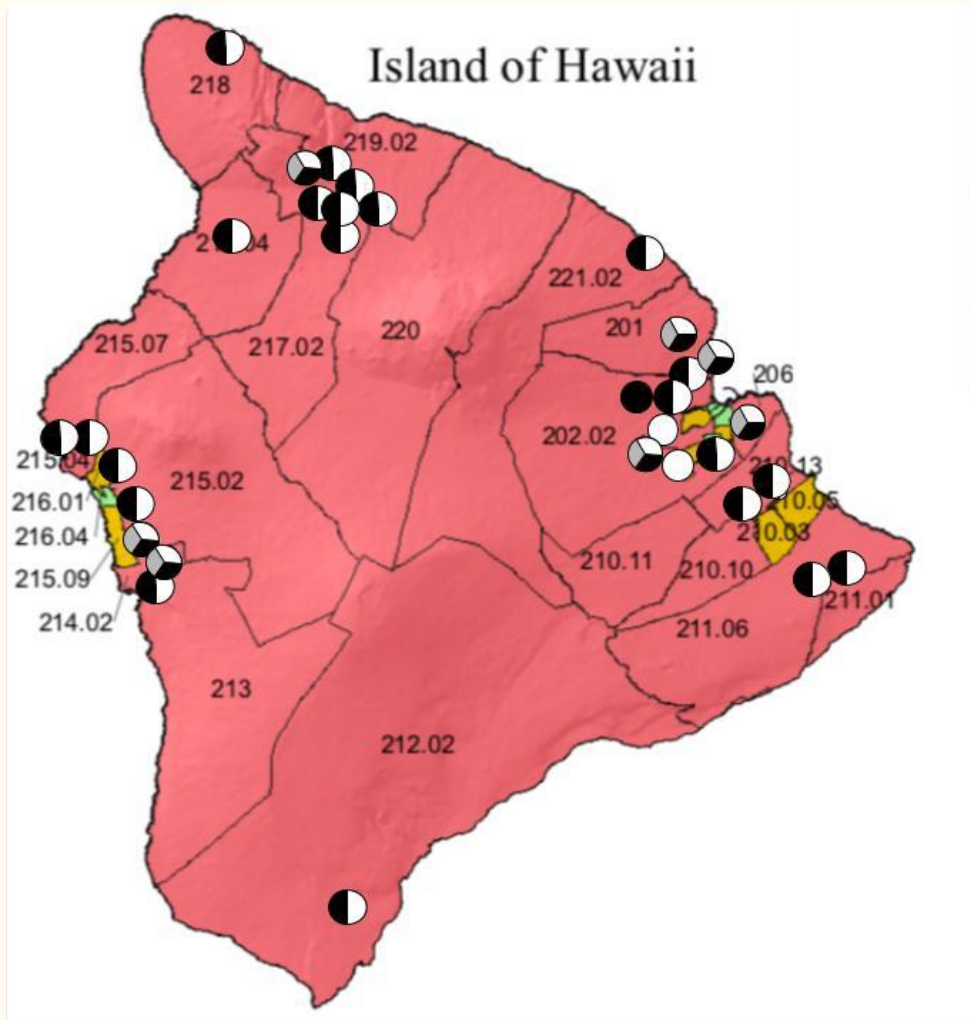
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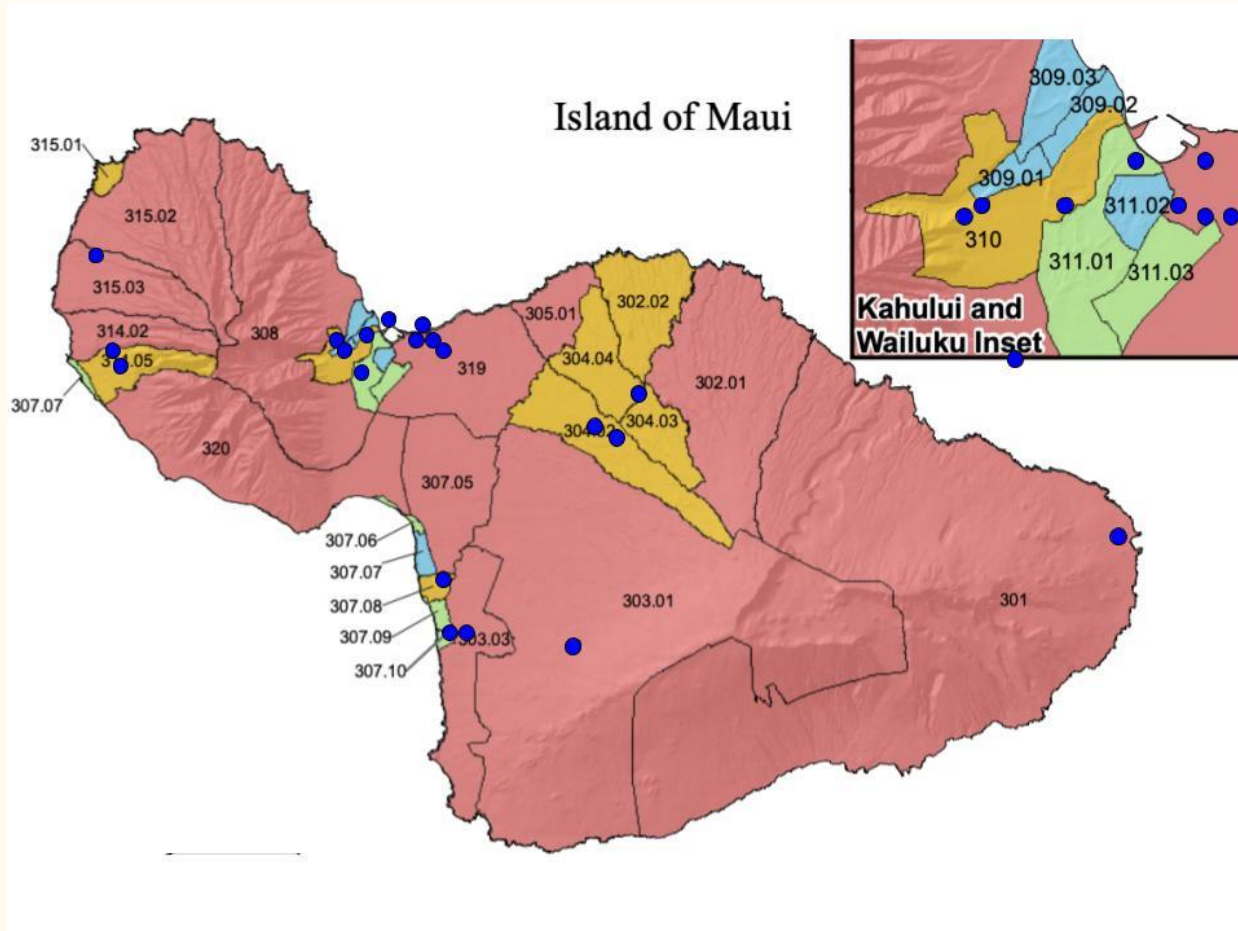


Providers on Big Island  
that provide contraception  
(n=38)

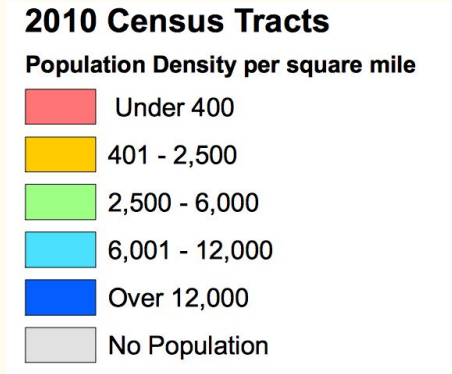


Providers on Big Island that provide implant/IUD/sterilization (n=32)

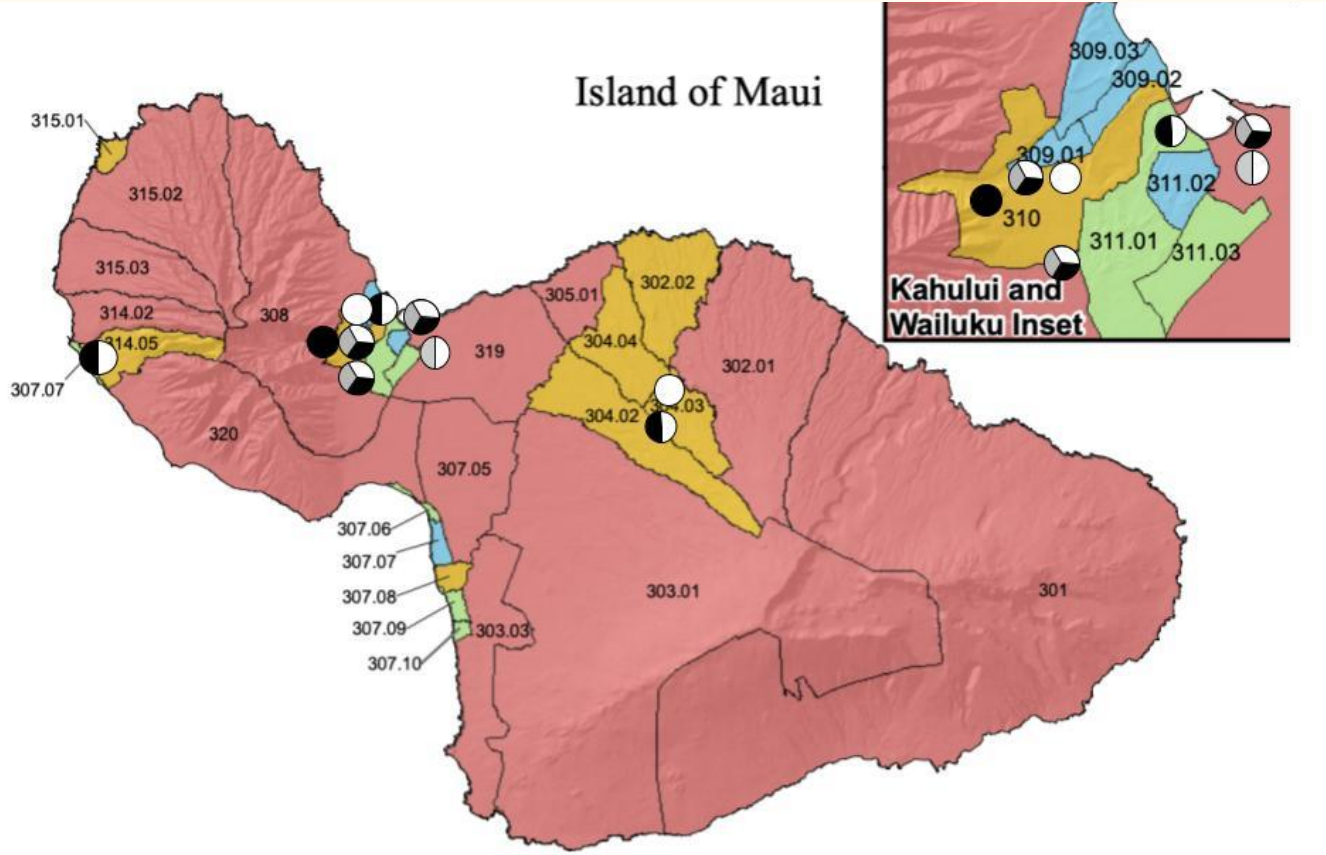







Providers on Maui  
that provide  
contraception  
(n=22)



Providers on Maui that provide implant/IUD/sterilization (n=10)









**KEY:**

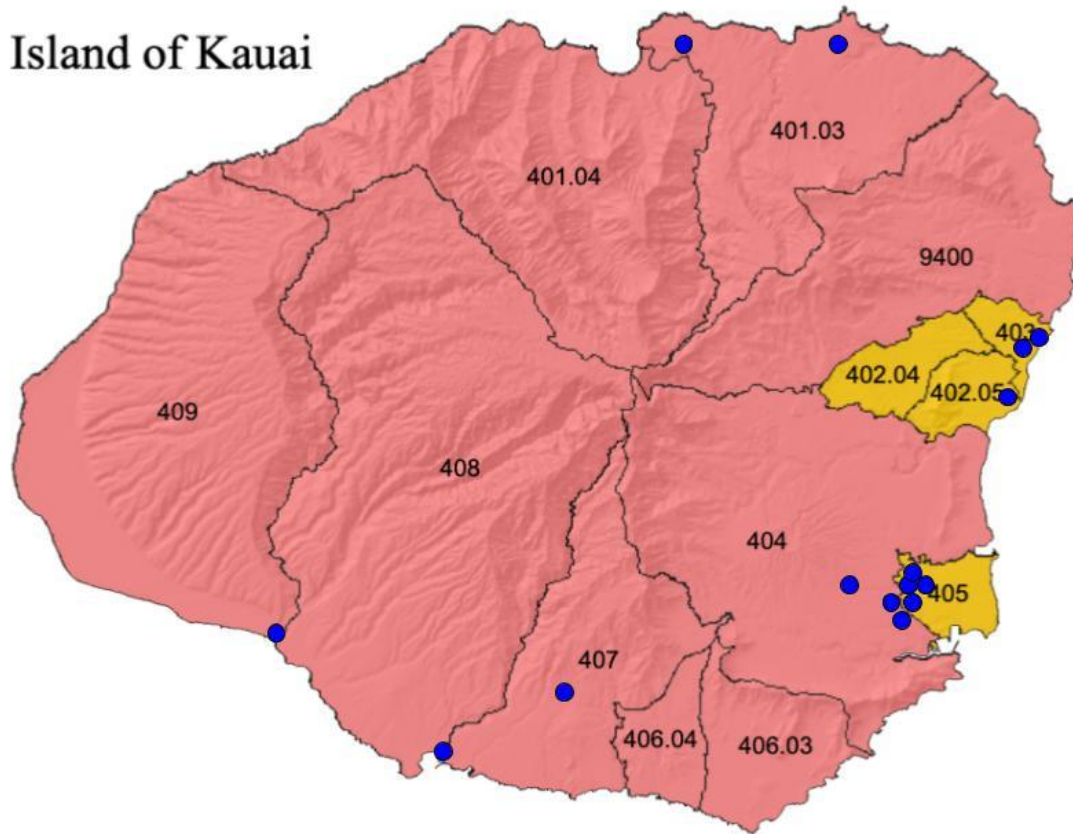
-  Sterilization
-  IUD
-  Implant

**2010 Census Tracts**

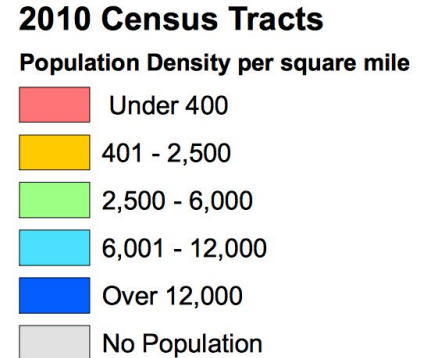
**Population Density per square mile**

-  Under 400
-  401 - 2,500
-  2,500 - 6,000
-  6,001 - 12,000
-  Over 12,000
-  No Population

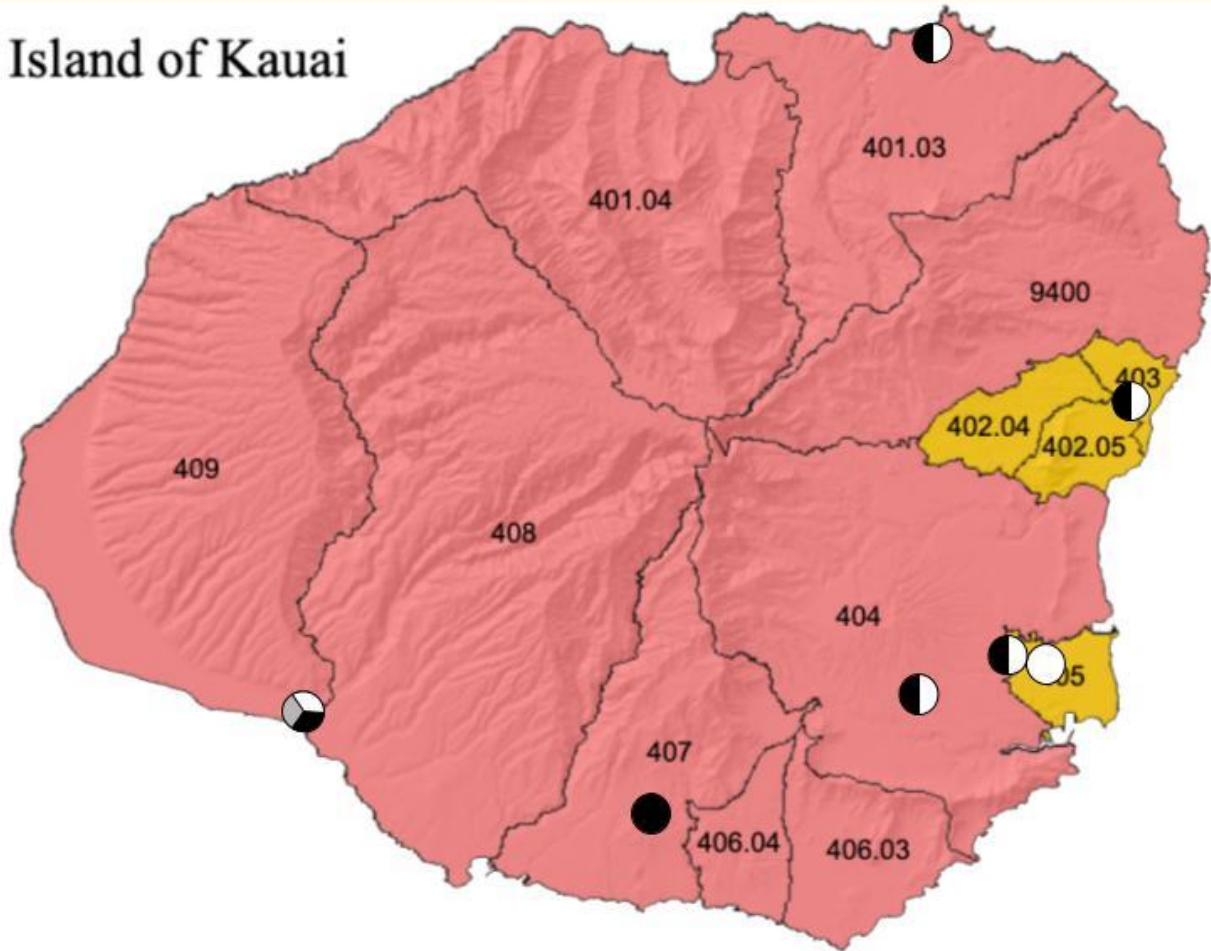
# Island of Kauai



Providers on  
Kaua'i that  
provide  
contraception  
(n=15)



# Island of Kauai



Providers on Kaua'i that provide implant/IUD/sterilization (n=7)

## KEY:

- Sterilization
- IUD
- Implant

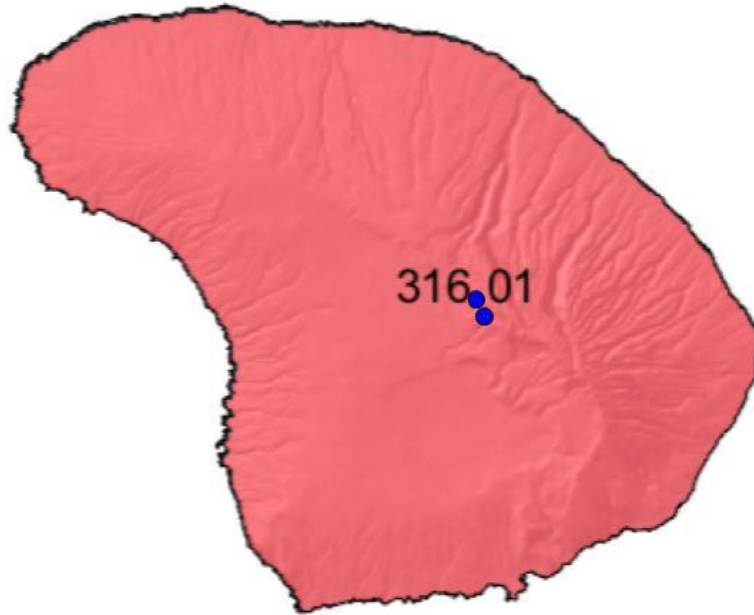
## 2010 Census Tracts

Population Density per square mile

- Under 400
- 401 - 2,500
- 2,500 - 6,000
- 6,001 - 12,000
- Over 12,000
- No Population



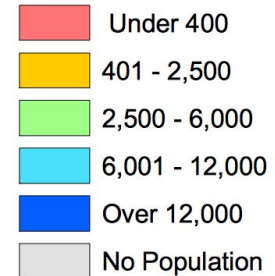
# Island of Lanai



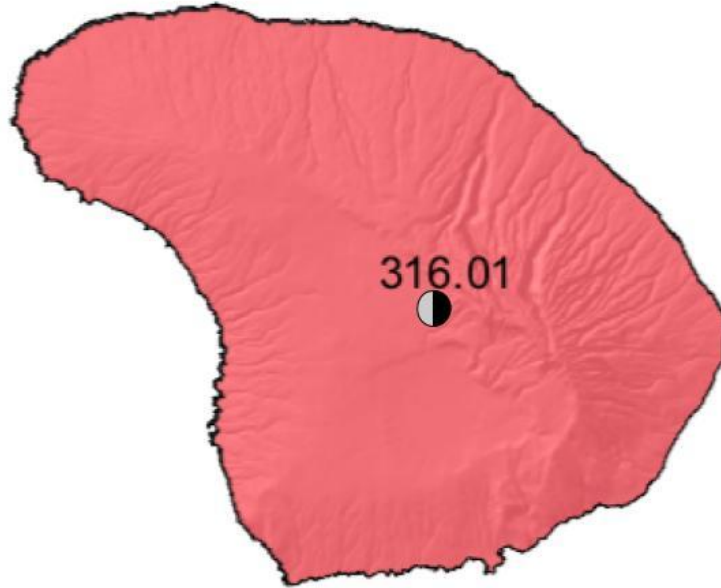
Providers on Lanai  
that provide  
contraception (n=2)

## 2010 Census Tracts

Population Density per square mile






## Island of Lanai









Providers on Lanai that provide implant/IUD/sterilization (n=1)

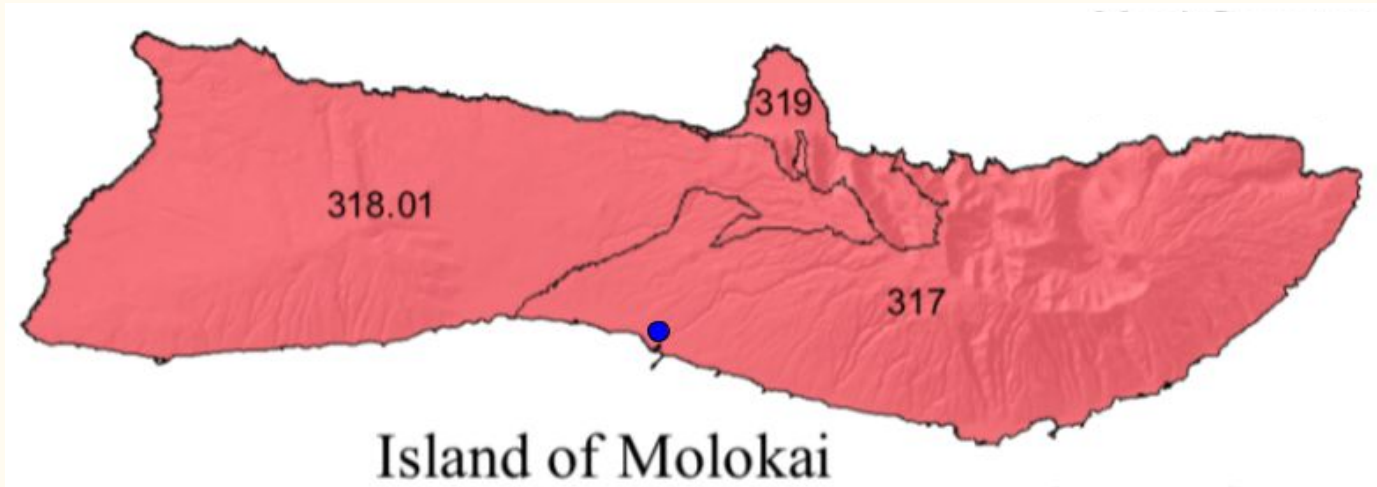
### KEY:

-  Sterilization
-  IUD
-  Implant

### 2010 Census Tracts

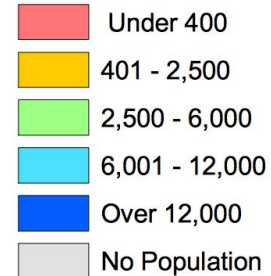
Population Density per square mile

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-  6,001 - 12,000
-  Over 12,000
-  No Population

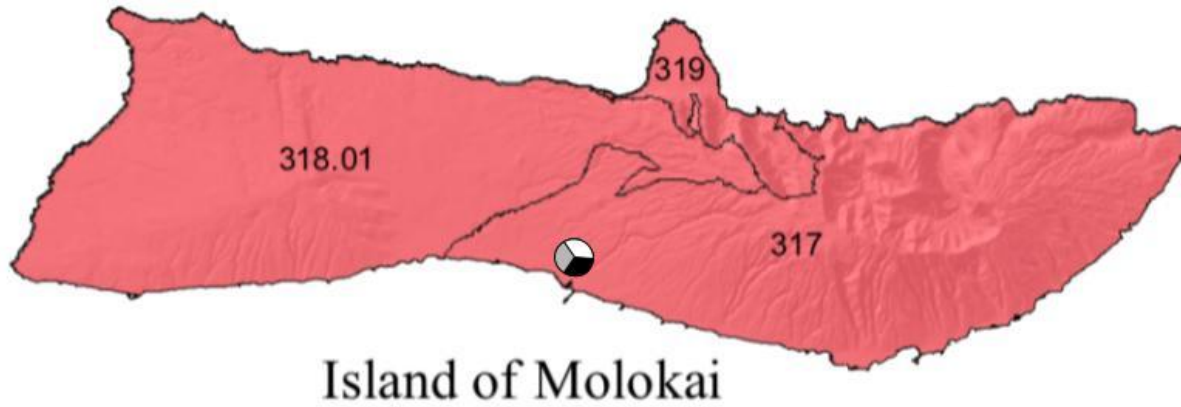


### 2010 Census Tracts




Population Density per square mile



Providers on Moloka'i that provide contraception  
(n=1)









**KEY:**

-  Sterilization
-  IUD
-  Implant

Providers on Moloka'i that provide implant/IUD/sterilization (n=1)

**2010 Census Tracts**

Population Density per square mile

-  Under 400
-  401 - 2,500
-  2,500 - 6,000
-  6,001 - 12,000
-  Over 12,000
-  No Population

# DISCUSSION

- Availability of contraceptive providers is concentrated in areas of high population density
- Access and options for rural populations should be expanded:
  - Expand pharmacist provision of contraception
  - Educational outreach/training for providers should be focused in low population density areas

# LIMITATIONS & FUTURE STUDIES

- Limitation
  - Don't know why providers choose to provide certain types of contraception or not provide
  - Data doesn't capture all barriers
- Future studies
  - Assess discrepancies between providers' attitudes towards providing different types of contraceptives and what they actually prescribe
  - Determine patient's knowledge of and attitudes towards different types of contraceptives

# Acknowledgments

- Mentors: Dr. Bliss Kaneshiro & Jasmine Tyson
- Expanding Access to Contraception Research Team & Hannah Collins-Doijode
- Queen's Summer Research Internship: Dr. Todd Seto, Lori Tsue



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Questions?