

# Hope Clinic Community Based Outreach Plan

Findings and Future Considerations

Duke Global Health Institute Student Research Training Team





July 11th, 2022

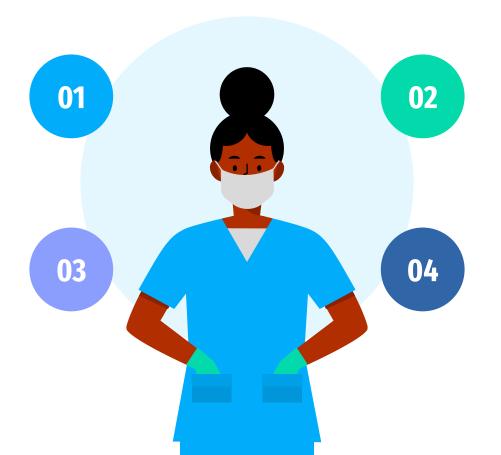
### **Today's Agenda**

### Introduction

Meet the team and project

### **Patient Mapping**

Geographic distribution of Hope Clinic patients



### **Interviews**

Strengths and Opportunities for Growth

# Proposed Outreach Plan

Key Components and Next Steps

# Introduction

### **Meet the Project Team**



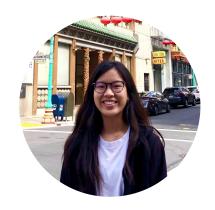
**Adey Harris**Psychology & Global
Health



Nick Haddad
Environmental Science
& Global Health



Advika Kumar Biology & Global Health



**Rujia Xie**Public Policy &
Global Health

### **Meet the Project Team**

### **Community Partner**

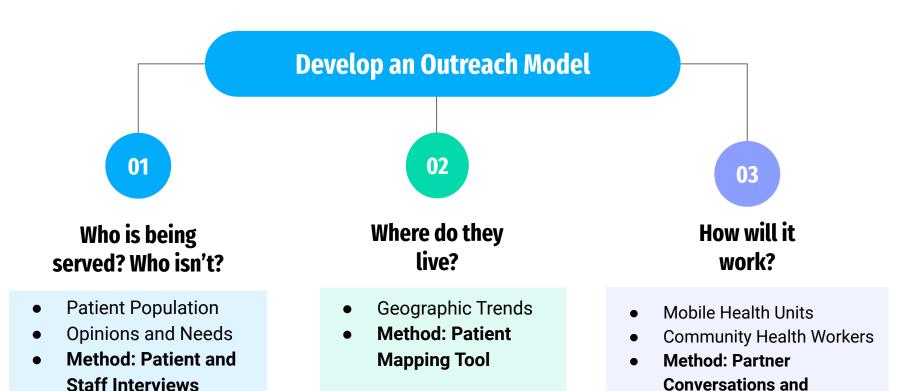


Yolanda Cristiani, LPN

### **Faculty Mentors**

- Dr. Diana Silimperi, MD
- Dr. Sumedha Ariely,PhD

### **Project Goals and Activities**



Literature Search

### **Active Patient Population**

298

Active Patients

30%

Minority Population

25%

Live in Neighboring Counties 21-68

Age Range

**58%** 

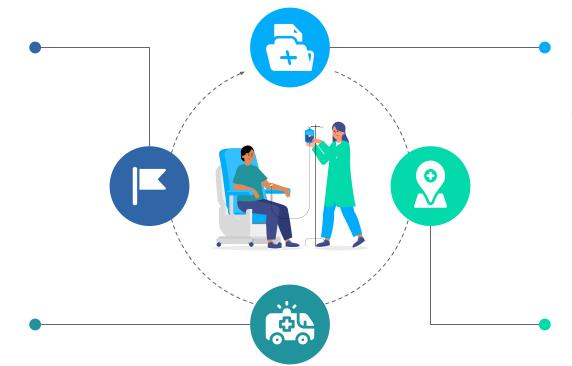
Have Diabetes or Hypertension

# Interviews

### **Central Themes**

### **Concerns**

Potential Improvements



# History and Experiences

Time with Hope Clinic and Values

### Feedback on Outreach Plan

Thoughts on mobile health units and CHWs

## Barriers to Access

Transportation, Clinic Hours, and Care Continuity

### Patient Interviews (n = 20)

History and Experiences



Barriers to Access



Feedback on Outread



**Concerns** 



### **6.28 years**

Average time as patient

### Satisfied

With current care practices and communication with providers

### **Health advice**

Want more assistance managing their conditions and meeting their goals

### 3 minutes to 2 hours

Range of travel times to clinic via car, foot, or hitchhike

### **Unreliable**

Many patients don't have consistent transportation

### 33%

Patients interviewed who can't get to specialty appointments

#### **Positive**

Reception to mobile health units and CHWs

### **Privacy**

Patients want private rooms at mobile health units

### Check-ins and resource referrals

Most sought-after CHW tasks

### Support and Continuity

Disconnect with providers

### Comprehension

Some materials emphasize negatives – share what patients CAN do instead

### Eye and dental care

Patients express difficulty staying up-to-date on exams and checks

### **Staff Interviews (n = 7)**

### History and Experiences



- Sense of Community
- DiverseBackgrounds
- ✓ **Dedication**To Hope Clinic's mission and patients

### Patient Needs and Barriers



✓ Access

To transportation, specialized medication for diabetes, and hypertension management

- ✓ Expanded Hours
- ✓ Compassion

### Feedback on Outrea



✓ Enthusiastic

Reception of mobile clinic plans

✓ Intended involvement

Desire to be a part of mobile outreach plans

#### **Concerns**



- ✓ Continuity of care No patient follow-up
- ✓ Equipment
- ✓ Staffing

Need a full-time provider

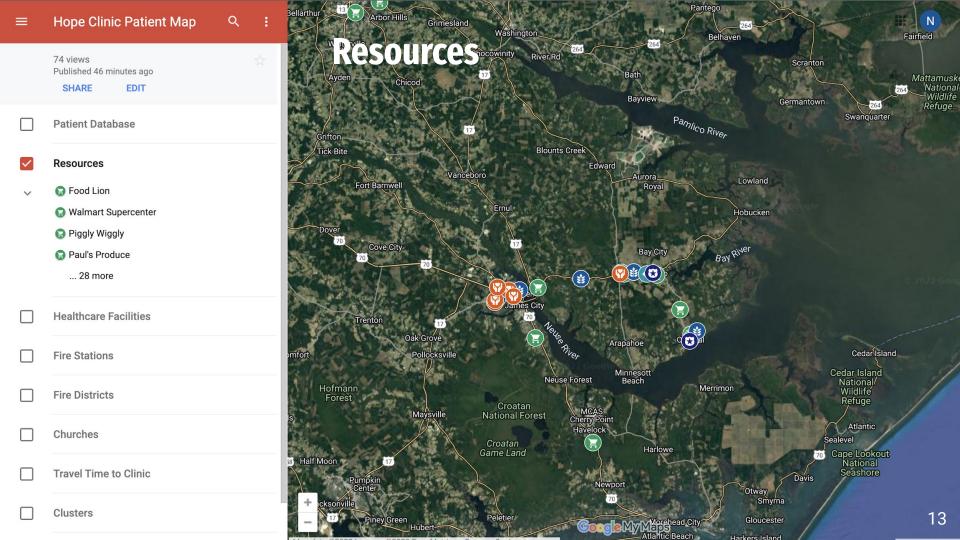
Medical Records

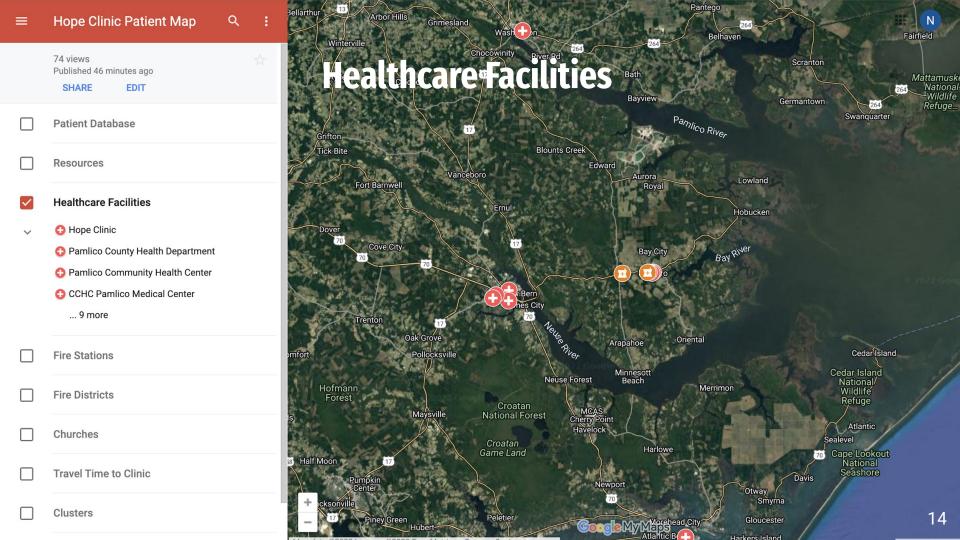
Need to switch to electronic records

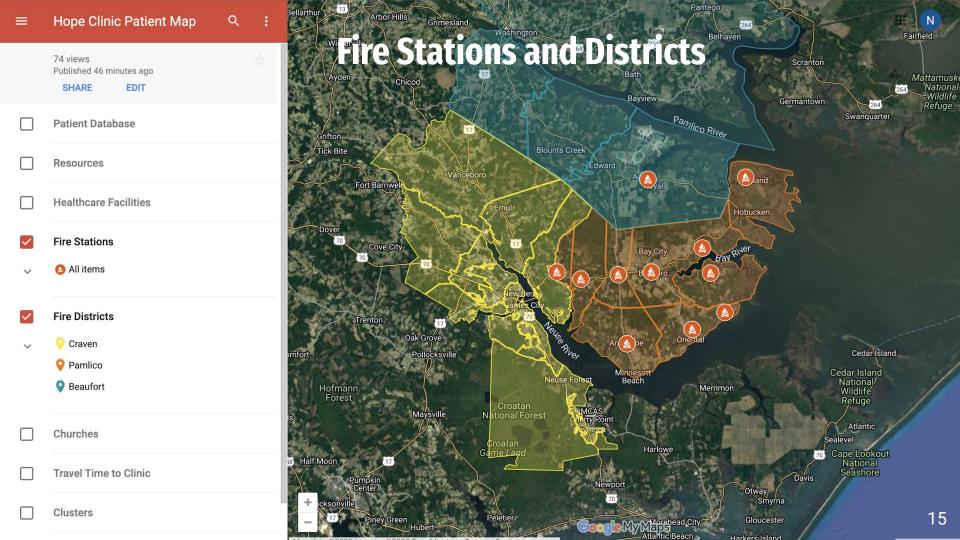
✓ Hours

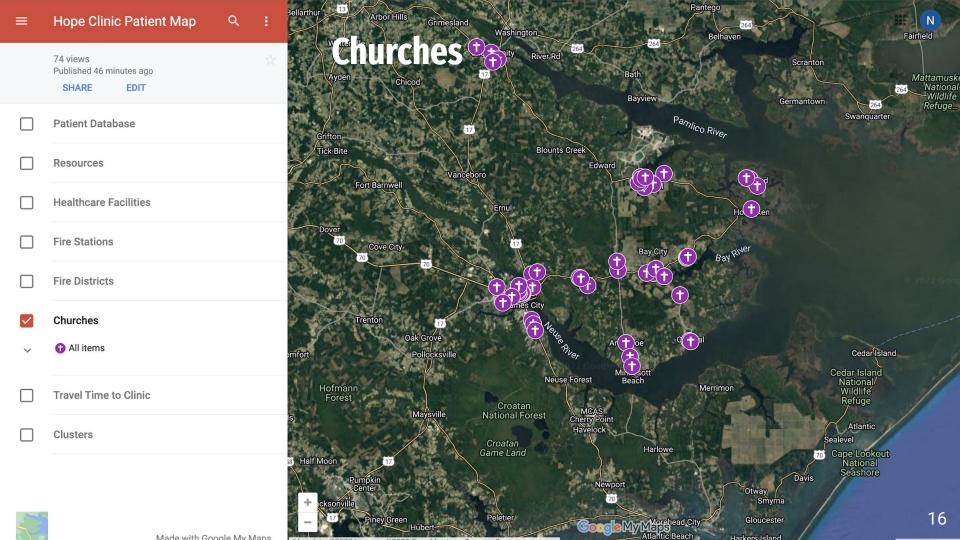
Limited clinic hours

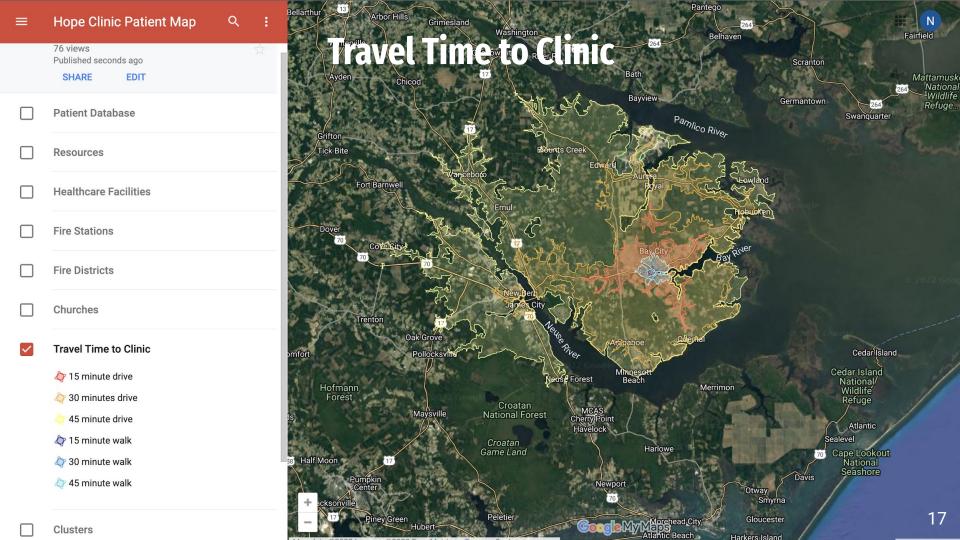
# Patient Mapping Tool

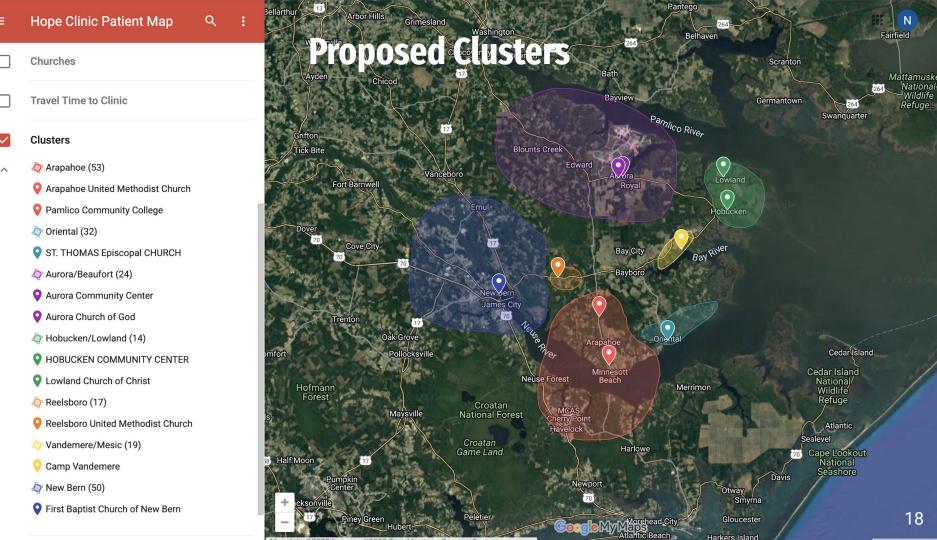


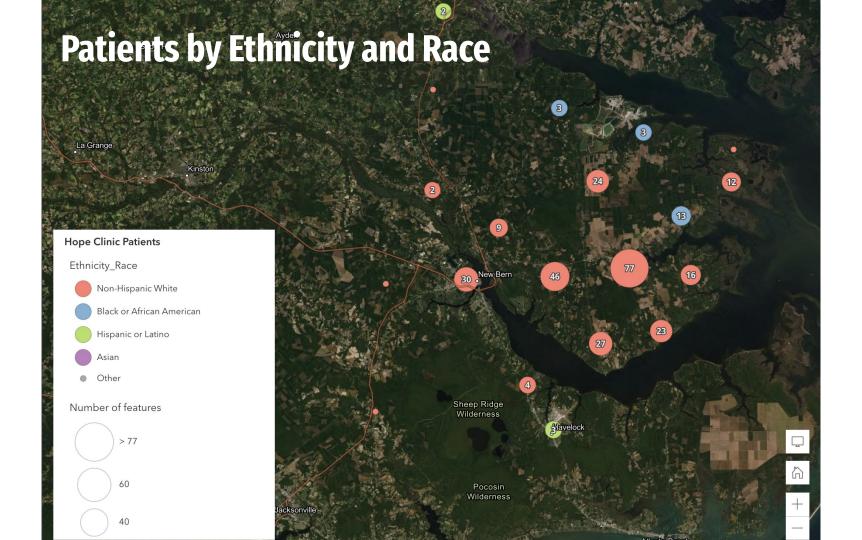


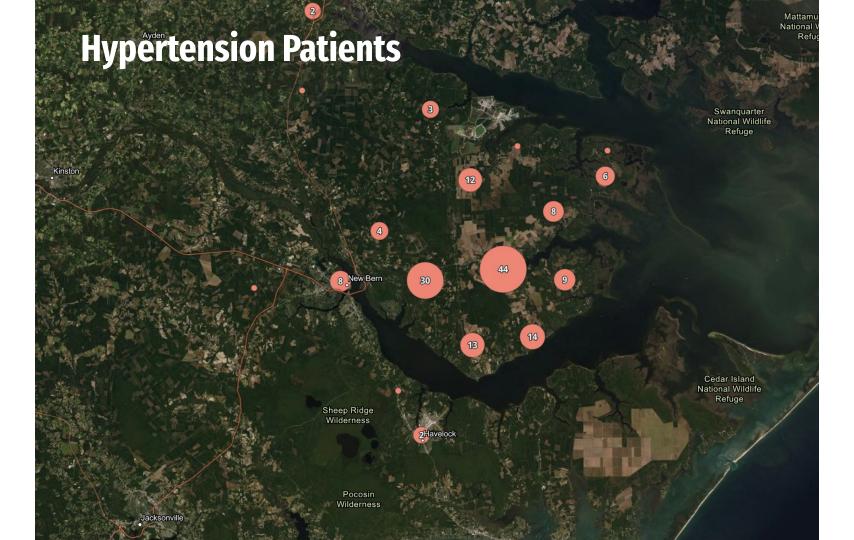


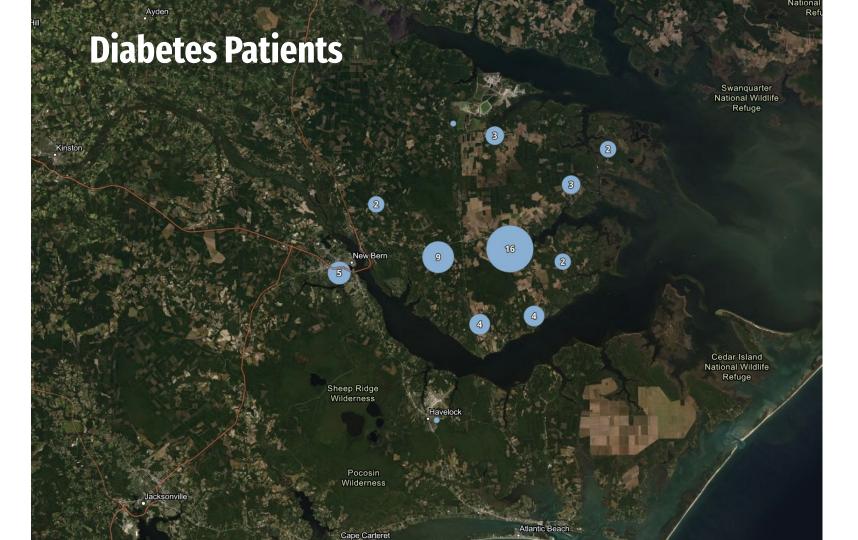




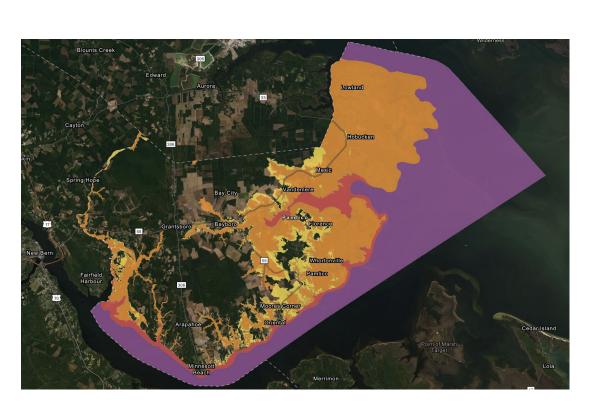








### **Hurricane-Related Vulnerability**



# 95 patients

Live in FEMA defined flood zones

### **Benefits**

+

### **Familiar Platform**

Google Maps is intuitive and powerful



+

### **Resources**

Search functionality allows resources to be visualized clearly



4

### **Limited Access**

Restricted to staff that need this tool



### **Future Considerations**



### **Patient Privacy**

Explore more secure platforms that retain ease of use





### **Update Process**

Import AthenaNet data once a month





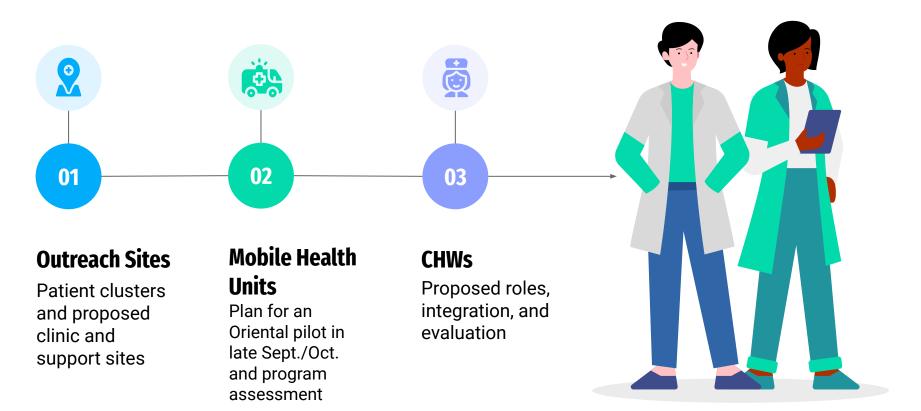
### **Staff Training**

Evaluate ease of use among staff

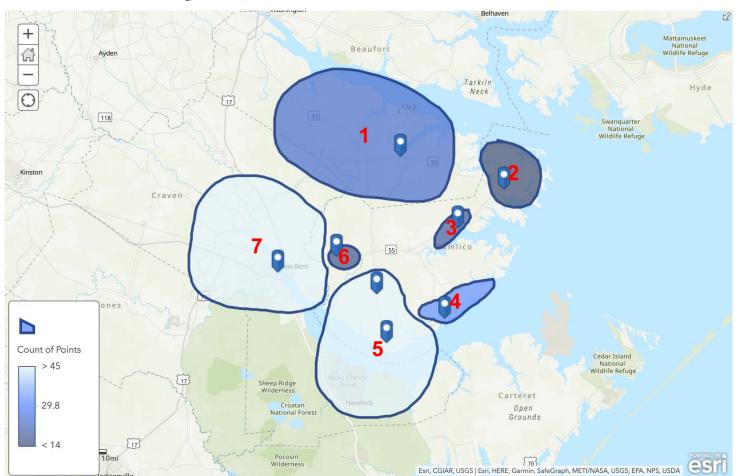


# Proposed Outreach Plan

### **Overview of Plan**



### **Proposed Outreach Service Sites**



### **Proposed Pilot Cluster - Oriental**





St. Thomas Episcopal Church



Wednesday or Thursday in Late September



Visit each outreach site quarterly



Offer regular clinic services

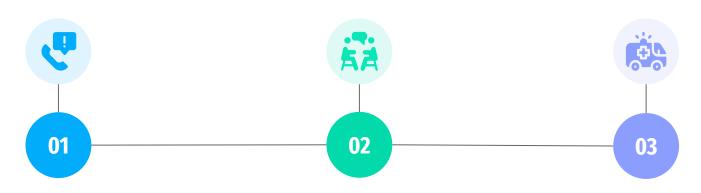


Max travel time: 9 min # of Patients served: 32



Collect information on patient experiences

### **Community Health Workers**



### **Provider Referrals**

Connecting patients with resources and management advice

### In-Person/Mobile Patient Check-ins

SDOH screenings and resource referrals

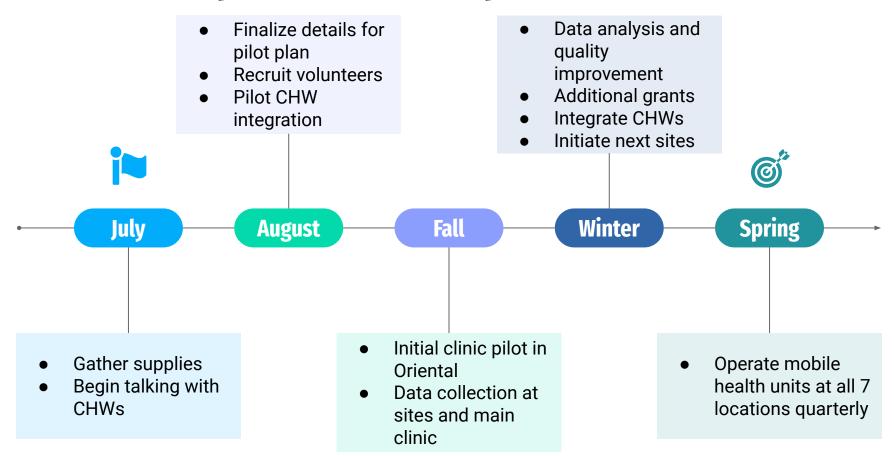
### **Support Groups**

Helping patients navigate their conditions and establish support networks

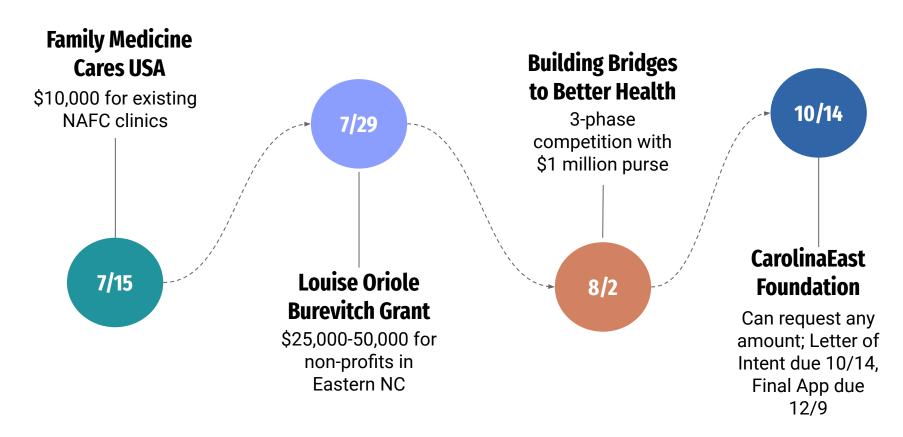
### **Monitoring Plan**

- ✓ Tracking process measures
  - Track # of patients reached, date reached, # of referrals, no-shows, cancellations
- ✓ Patient Satisfaction Questionnaire
- Clinical indicators
  - Baseline measurement/compare
  - Patient vitals (BP, HR, A1C)
  - Standardized screening tools

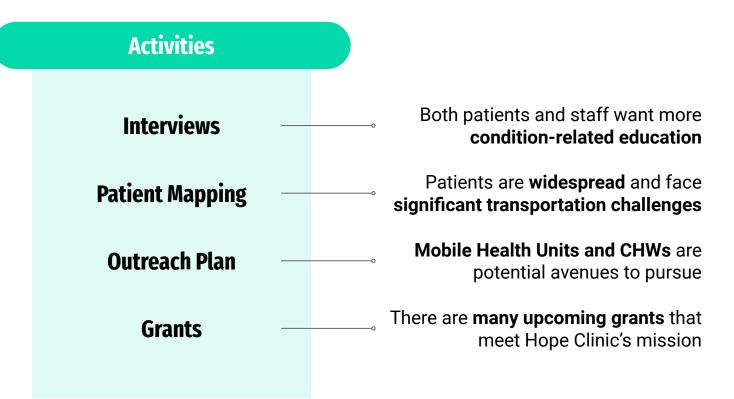
### **Proposed Outreach Expansion Timeline**



### **Upcoming Grant Opportunities**



### **Final Thoughts**





# Thank you for listening! Any questions?



A special thank you to Yolanda, Dr. Silimperi, Dr. Ariely, and the rest of the Hope Clinic staff who have supported us and worked with us to make this happen.

### **Potential Questions**

- How might Hope Clinic mobilize current staff members and resources to put some of these ideas into action?
- What can the map be used for besides developing community-based outreach initiatives?
- How would the map stay updated as patients are added or removed?
- Which community health workers do you have in mind for testing out this idea? Who are they?
- Who would keep track of monitoring measures for the community-based outreach initiatives? Who would manage this data?
- How does this plan fall within Hope Clinic's current capabilities? If not, what needs to change to make this happen?
- Is any of this information available in more detail?

# How might Hope Clinic mobilize current staff members and resources to put some of these ideas into action?

- In talking to staff members during our time here, many have expressed interest in being directly involved in the design and implementation of mobile outreach sites. Here are some possible roles that existing staff can play. [NOTE: many of these roles are similar to roles they currently play on Thursday evenings]
  - Clinic Support Coordinator: Manage reception and patient eligibility checks
  - Clinic Operations Coordinator: Ensure that patient flow is smooth, help operate lab, and possibly hold patient education sessions with individual patients
- To make this process as easy as possible, Hope Clinic should operate mobile clinics as similar
  to normal clinics as possible. Thus, most resources and processes are familiar to staff. An
  eventual shift to EMR (AthenaNet) would streamline data input and reduce the need to transport
  as many paper materials to outreach service sites.

# What can the map be used for besides developing community-based outreach initiatives?

- The Patient Mapping tool contains several other layers besides just proposed patient clusters.
   Eventually, a tool like this can be used to connect patients with resources based on their physical locations, to identify nearby emergency services to connect patients with assistance during natural disasters and violence situations, and to pull out groups of patients with similar conditions in similar areas to form support groups and other educational interventions targeted to their specific needs.
- This map demonstrates the geographic reach of Hope Clinic and can also be used for grant purposes.

# How would the map stay updated as patients are added or removed?

- Google Maps allows users to upload a CSV or XLSX (Excel) file easily into the interface, and the software will create a layer based on the data with little user input. This makes it easy for staff to download an AthenaNet patient report each month with specific variables and upload that file into Google Maps. All a user has to do is identify which columns indicate location (e.g., address lines, city, state, ZIP code) and which column should be used as a label for each point (e.g., patient chart ID). This entire process would only take 5-10 minutes.
- The Clinic Support Coordinator would be in charge of updating this resource.

# Which community health workers do you have in mind for testing out this idea? Who are they?

- Currently, ECU Health operates a Community Health Worker program that began with a statewide grant during the COVID-19 pandemic. Initially focused on providing COVID-specific resources to residents in Eastern North Carolina counties, their roles have recently expanded to include Primary Care, Maternal and Child Health, and Behavioral and Mental Health support.
- The two Pamlico County CHWs through this program have extensive knowledge of the area and strong connections with existing community resources. They are passionate about serving those whose voices are typically forgotten, and are extremely interested in working with Hope Clinic.
- Their possible roles are still being worked out, but more information will be available in the full report we share with Hope Clinic in the coming weeks.

# Who would keep track of monitoring measures for the community-based outreach initiatives? Who would manage this data?

• In the full report and outreach plan documents that will be shared with Hope Clinic, we have outlined more clearly measures to keep track of. However, the exact implementation and collection of this data needs to be worked out between us and Hope Clinic. We don't want data collection to impede clinic operations, so we will work with staff to identify where in the patient flow it makes sense to collect this information and who will keep track of it. We know staff members have countless responsibilities as is, so this shouldn't be a burden to their already taxed schedules.

# How does this plan fall within Hope Clinic's current capabilities? If not, what needs to change to make this happen?

- In talking to staff members during our time here, many have expressed interest in being directly involved in the design and implementation of mobile outreach sites. Here are some possible roles that existing staff can play. [NOTE: many of these roles are similar to roles they currently play on Thursday evenings]
  - Clinic Support Coordinator: Manage reception, patient eligibility checks, and

### Is any of this information available in more detail?

- A full report will be available in the coming weeks with our general findings and next steps.
- A detailed proposed outreach plan will also be available in the coming weeks.
- Training materials for the patient mapping tool will be shared with staff to ensure sustainability of the tool.
- A grant database document will be shared with the Executive Director.
- Additional statistics we've calculated using the patient roster will also be shared with the Executive Director.

The Executive Director will have all of these documents and materials. For more information or to reach one of us directly, please contact one of us:

- Nick Haddad (<u>nicholas.haddad@duke.edu</u>)
- Advika Kumar (<u>advika.kumar@duke.edu</u>)
- Adey Harris (adey.harris@duke.edu)
- Rujia Xie (<u>rujia.xie@duke.edu</u>)