

Maternal & Child Health Pipeline Programs

TRAINING THE NEXT
GENERATION OF
LEADERS

Disclosures

I have no financial or other related relationships to disclose

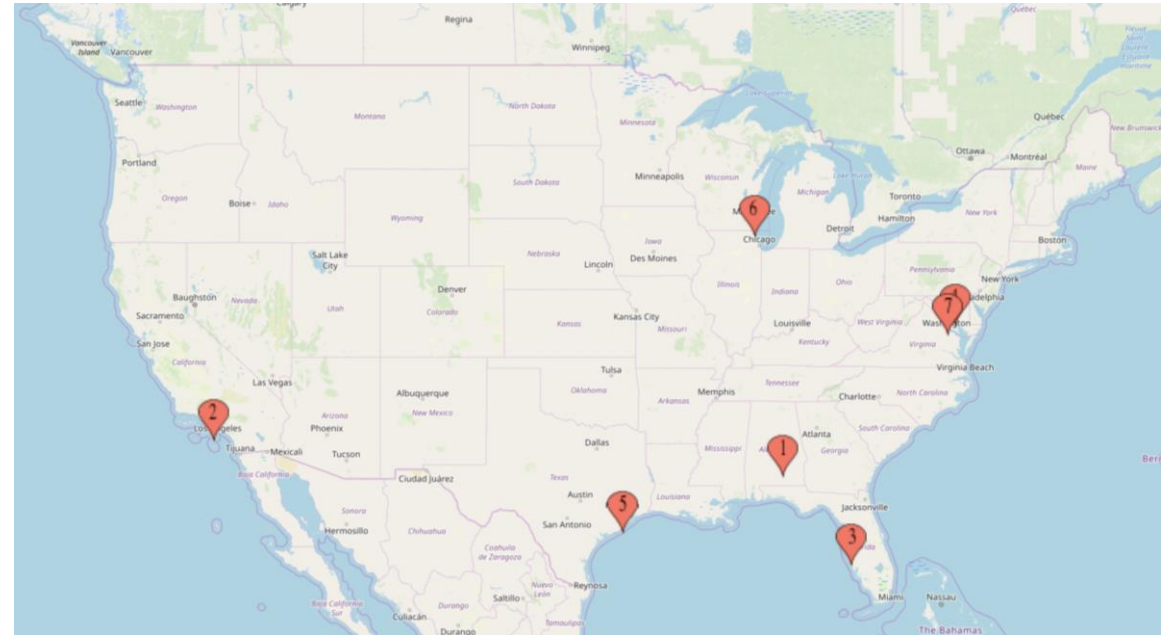
What is the Pipeline Program?

- ❖ Training program funded by Maternal & Child Health Bureau
- ❖ Supports a diverse work force in health care
- ❖ Helps students pursue maternal & child health (MCH) careers
- ❖ Focus on disadvantaged and minority undergraduate students
- ❖ Grant funding available since 2006



Programs and Activities

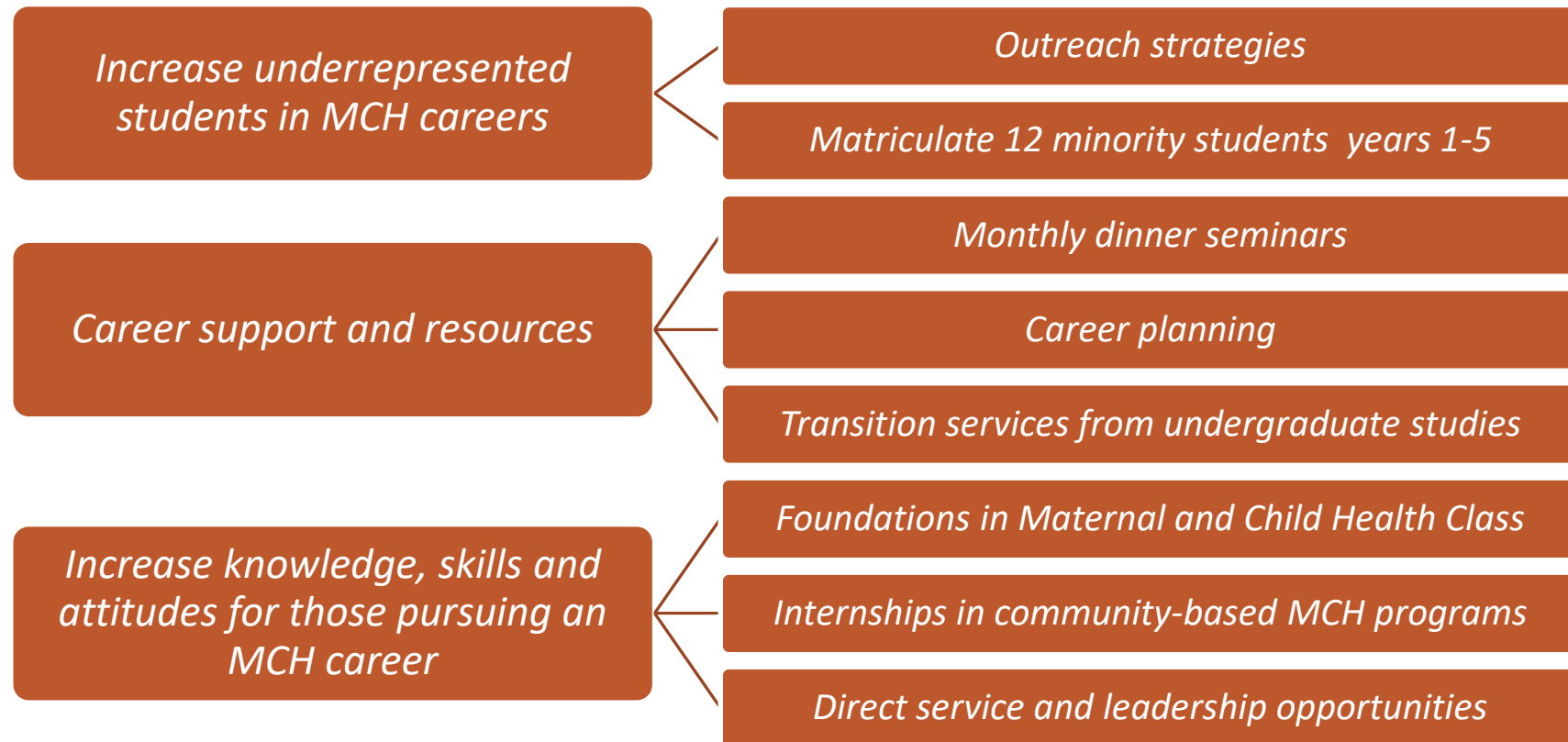
- ❖ Formal didactic training in maternal and child health
- ❖ Practical internship experiences
- ❖ Faculty mentoring
- ❖ Academic advising
- ❖ Career counseling



Example: UCLA Pipeline Program

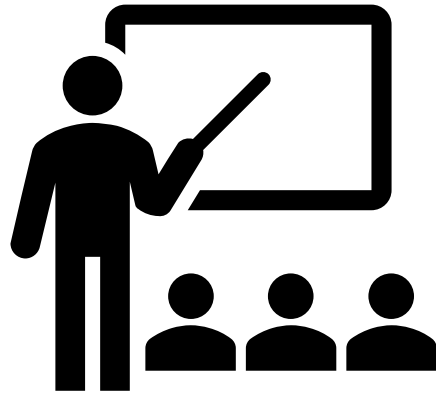
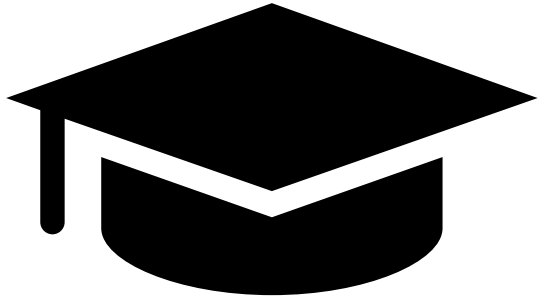
OBJECTIVES

SUB-OBJECTIVES



Example: UCLA Pipeline Program

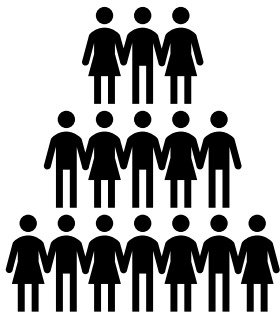
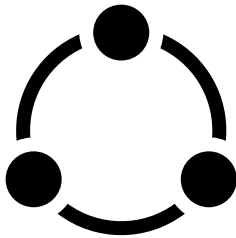
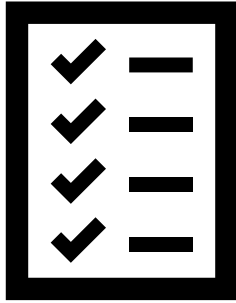
	Fall Quarter	Winter Quarter	Spring Quarter	Summer
Year 1	<ul style="list-style-type: none"> Apply for program 	<ul style="list-style-type: none"> Take Foundations of MCH course 	<ul style="list-style-type: none"> Dinner seminars 	<ul style="list-style-type: none"> MCH internship (\$2000)
Year 2	<ul style="list-style-type: none"> Mentoring meetings Dinner seminars SCOPE experience 	<ul style="list-style-type: none"> Mentoring meetings Dinner seminars SCOPE experience 	<ul style="list-style-type: none"> Mentoring meetings Dinner seminars SCOPE experience 	<ul style="list-style-type: none"> MCH internship (\$500)
Year 3	<ul style="list-style-type: none"> Mentoring meetings Career exploration SCOPE leadership experience 	<ul style="list-style-type: none"> Mentoring meetings Career exploration SCOPE leadership experience 	<ul style="list-style-type: none"> Mentoring meetings Career exploration SCOPE leadership experience 	<ul style="list-style-type: none"> Career-oriented placement GRE or professional school exams
Year 4	<ul style="list-style-type: none"> Mentoring meetings Apply to graduate/professional schools 	<ul style="list-style-type: none"> Mentoring meetings Interviews (coaching as needed) 	<ul style="list-style-type: none"> Inquire about schools Mentoring meetings/re-strategizing 	<ul style="list-style-type: none"> Transition to next phase of training



Objective

To evaluate the success of the MCH Pipeline Programs from the perspective of

1. The program directors by describing the features of a successful pipeline program
2. The trainees by getting a subjective understanding program benefits

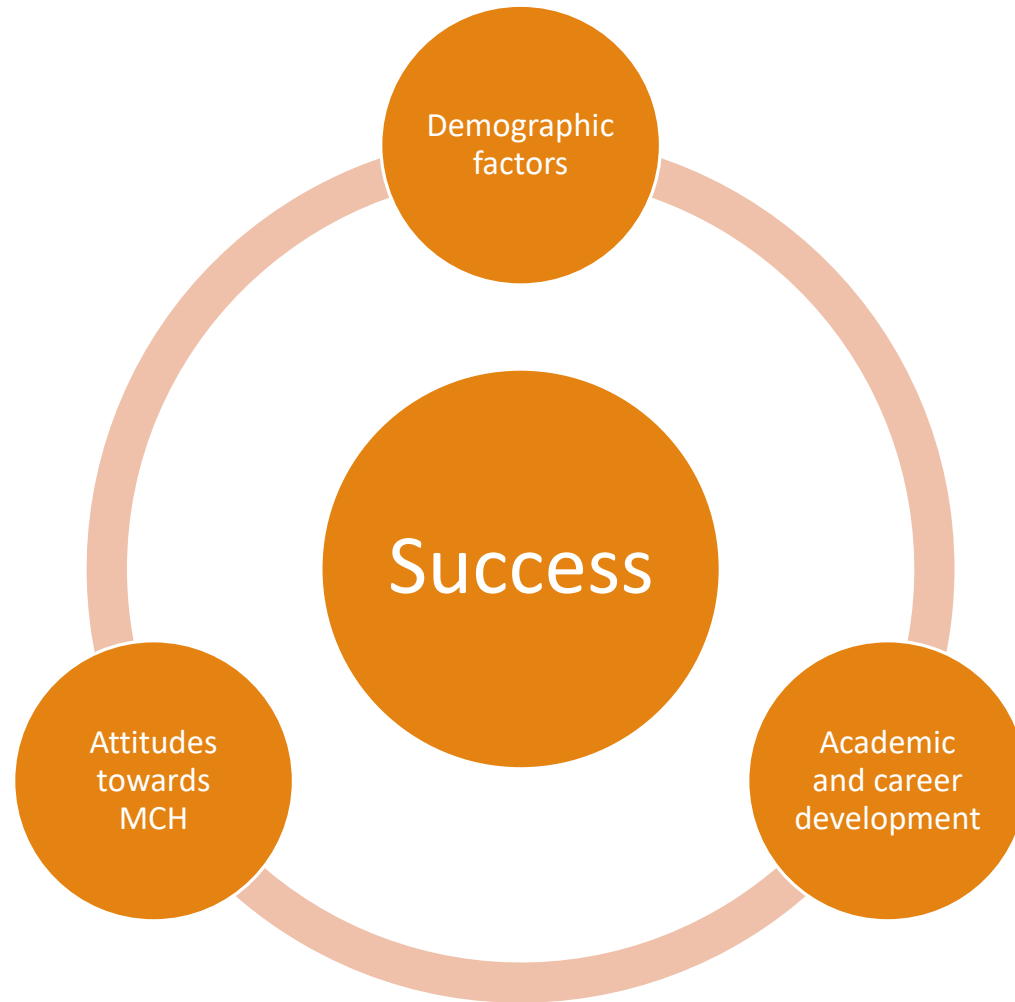


Methods

1. Program director meetings to identify domains of success
2. Alumni survey created based on meeting findings
3. University of California, Los Angeles volunteered to host data
4. Institutional Review Board (IRB) approvals and Data Use Agreements (DUA) initiated at all sites
5. Alumni survey distributed via online platform to graduates

Results

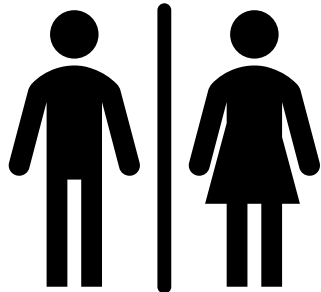
Three domains emerged as predictors for success after program director meetings



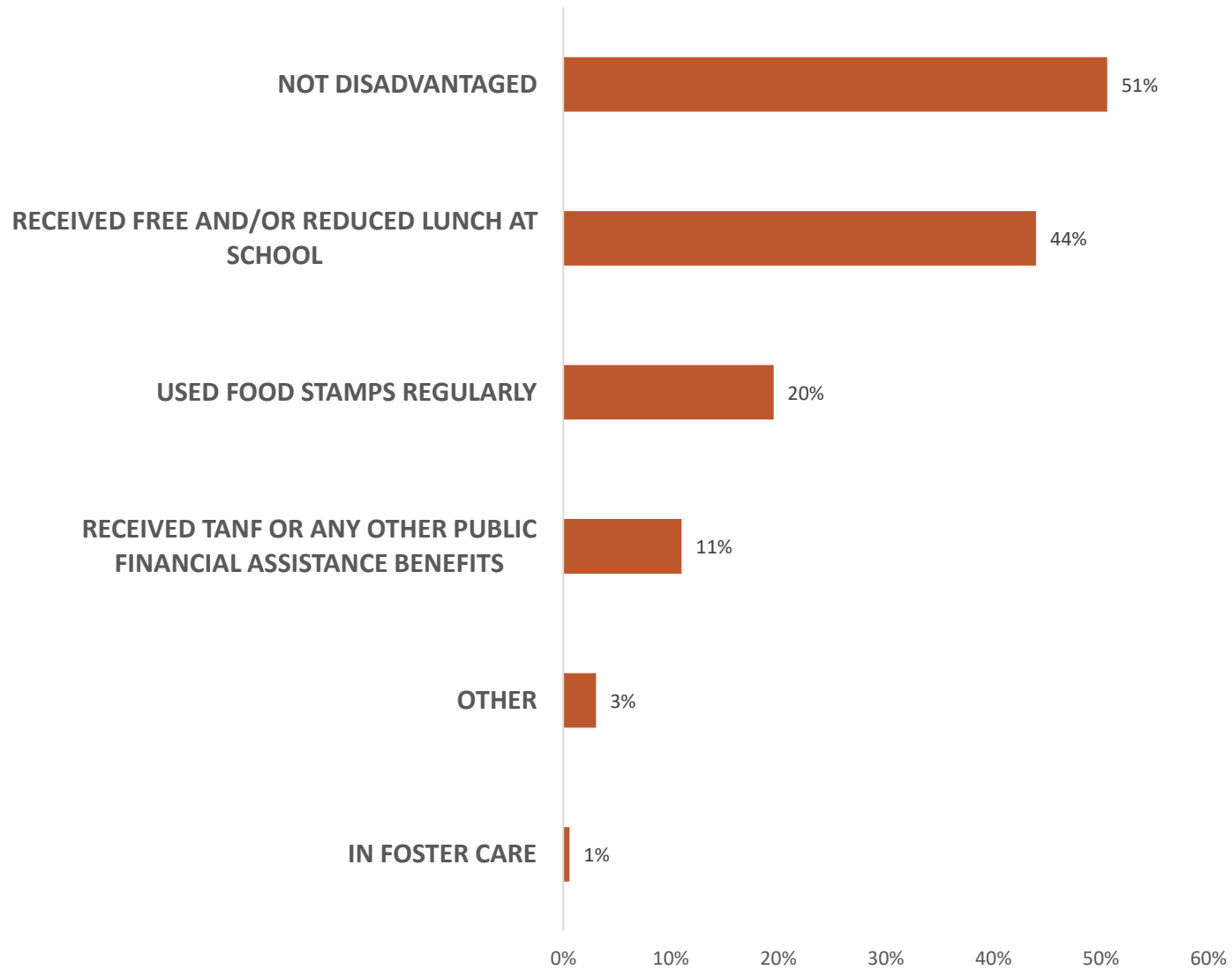
Results (Alumni Survey)

	Number of years funded	Number of graduates	Number of responses	Response rate
Alabama State University	14		38	
University of California, Los Angeles	14		37	
University of South Florida	4		7	
Kennedy Krieger Institute, Baltimore	4		6	
Baylor College of Medicine, Houston	4		8	
University of Wisconsin-Milwaukee	14		N/A	0
Howard University	10		25	
Total			131	

Results: Demographic Information

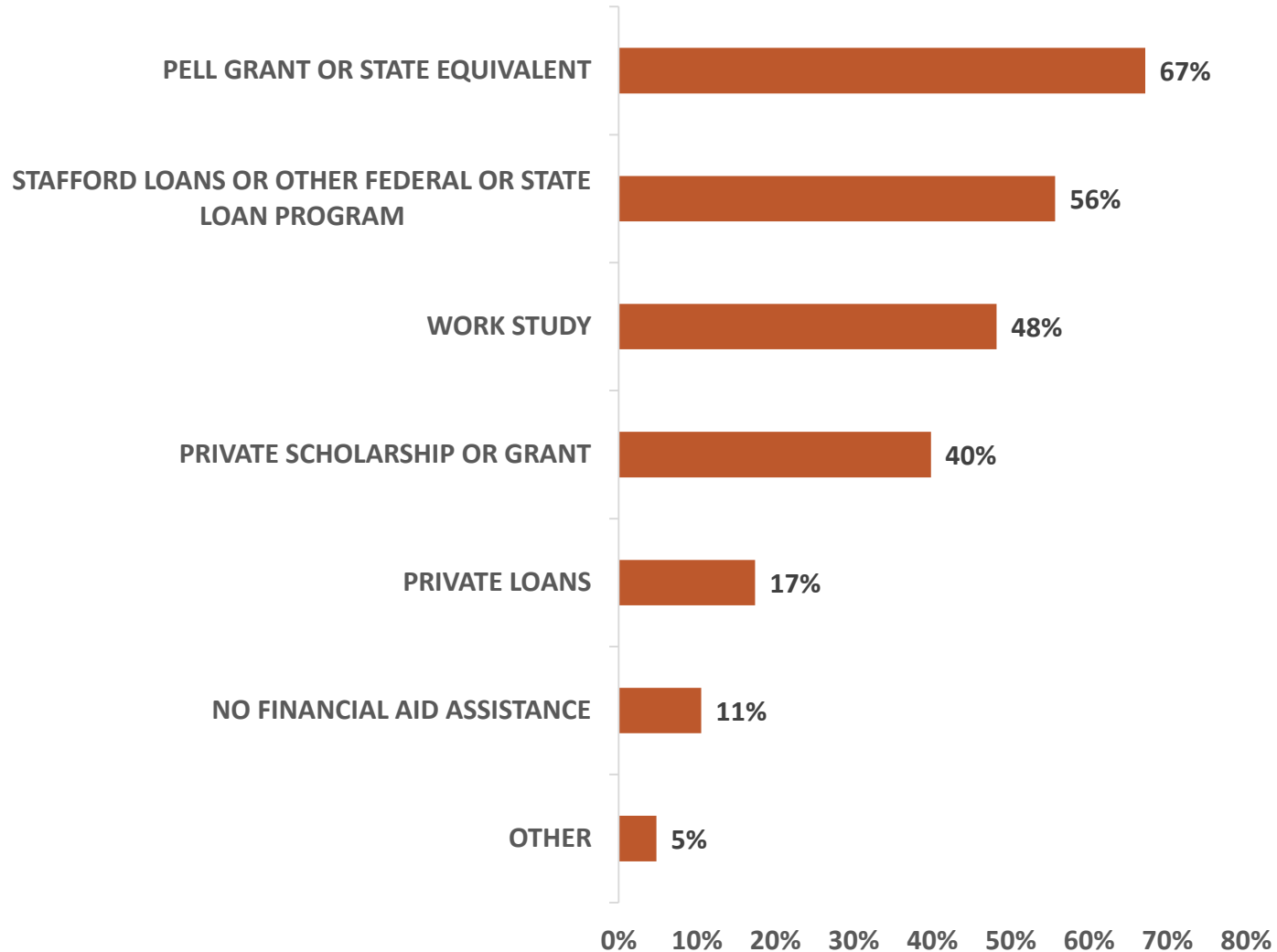


	% (N)
Female Sex	84 (105)
Black Race	66 (82)
Hispanic Ethnicity	18 (23)
Disability	12 (15)
First-time college student	48 (60)
Citizen/permanent resident	50 (63)



Results: Demographic information

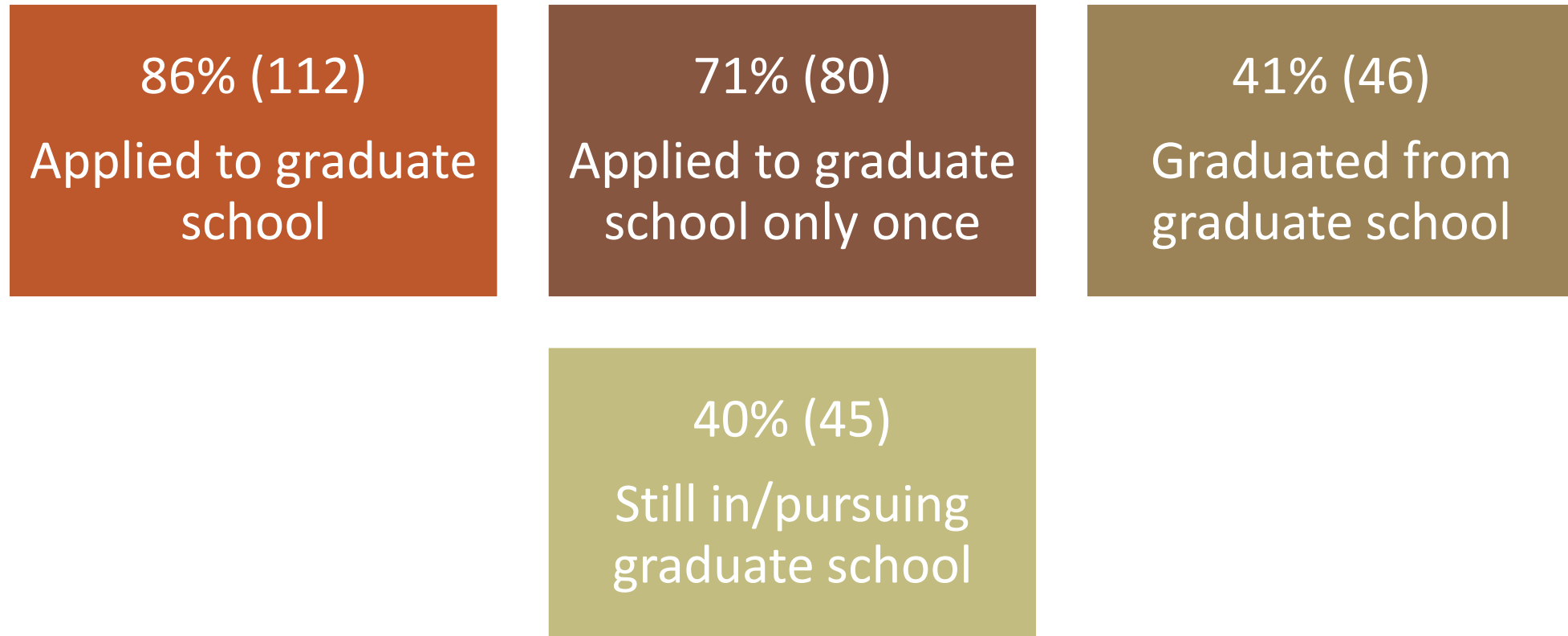
REASONS FOR BEING
DISADVANTAGED



Results: Demographic information

TYPES OF FINANCIAL AID DURING COLLEGE

Results: Academic Development



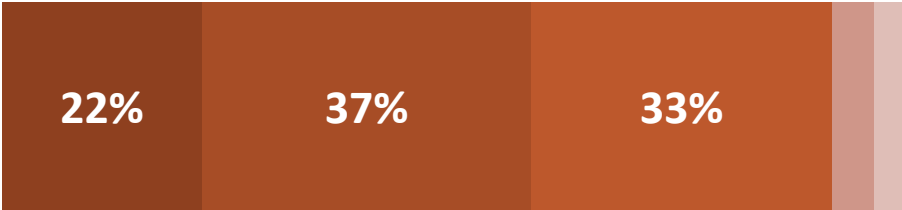
Results: Academic Development

Fields applied to	Count
Public health	33
Social work	11
Education	6
Psychology	4
Nursing	11
Medicine	21
Law	1
Occupational therapy	2
Physical therapy	4
Nutrition	4
Other	34

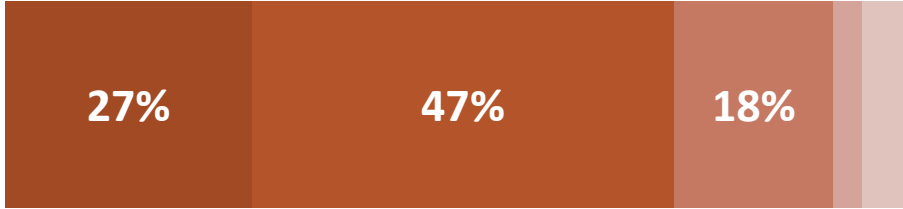


Results: Academic Development

Did the Pipeline Program help you in applying for graduate school?



Did the MCH Pipeline Program help you be successful in graduate school?



■ All the time ■ Quite a bit ■ Some ■ A little ■ Not at all

Results: Career Development

75% (98)
Employed

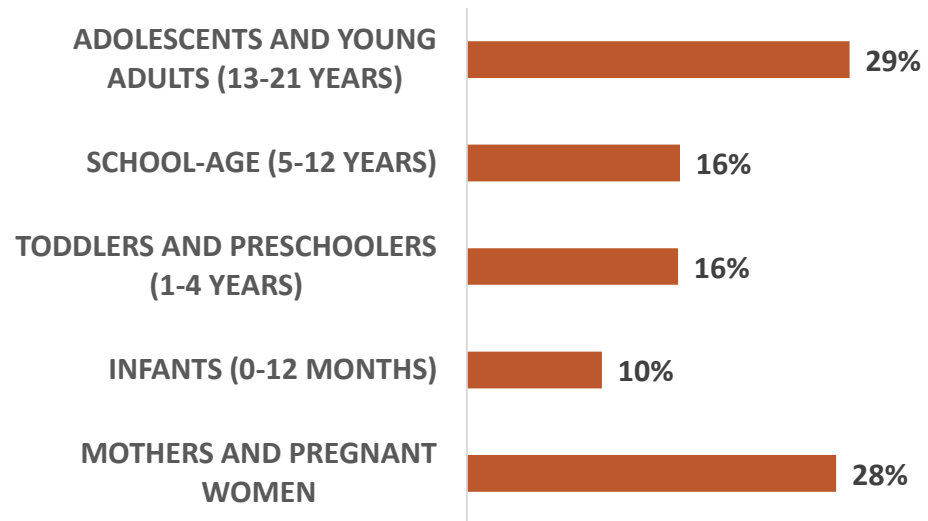
80% (78)
Current work with
MCH populations

27% (35)
Previous work with
MCH populations

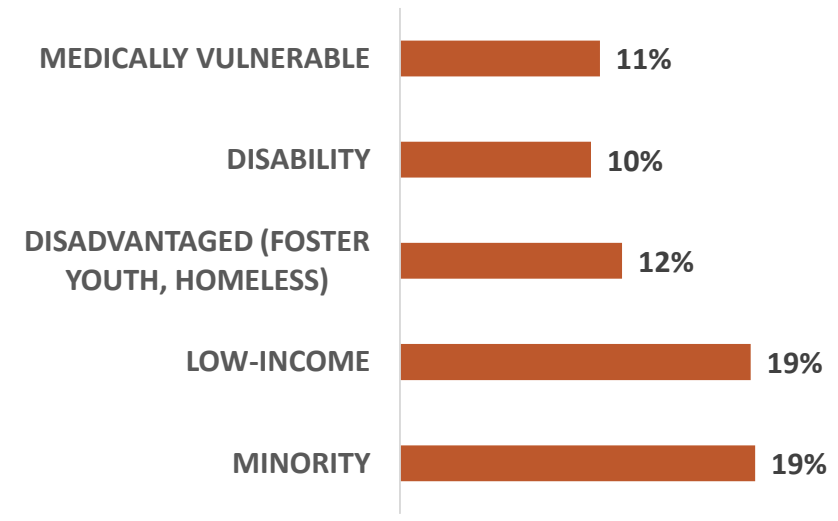
Results: Career Development

POPULATIONS ALUMNI CURRENTLY WORK WITH

MATERNAL AND CHILD HEALTH POPULATIONS

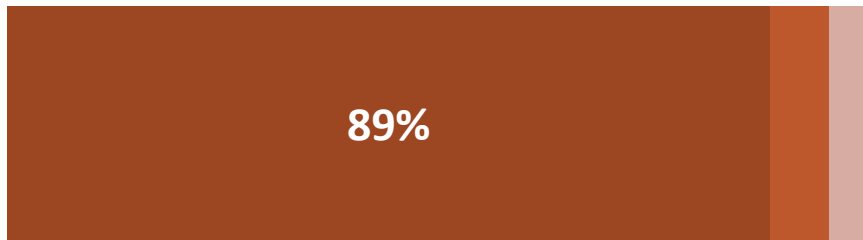


VULNERABLE POPULATIONS

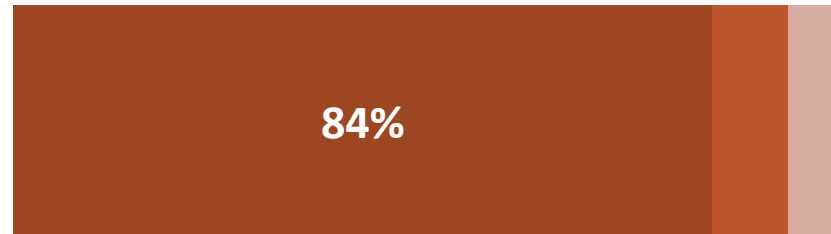


Results: Attitudes toward Programs

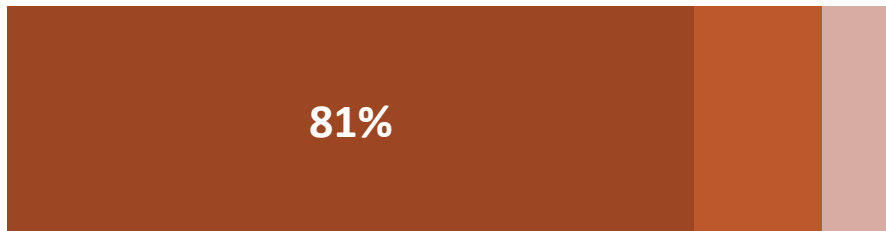
FELT SUPPORTED BY PROGRAM FACULTY



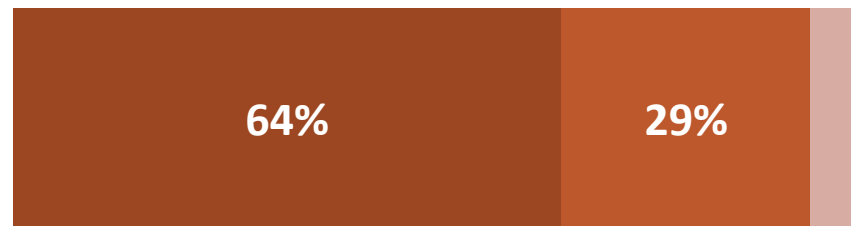
RECEIVED ADEQUATE CAREER DEVELOPMENT MENTORING



RECEIVED ADEQUATE ACADEMIC MENTORING



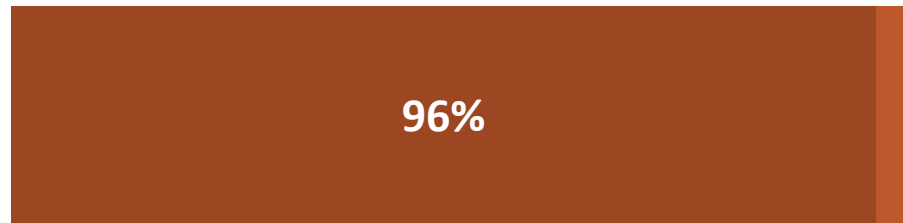
INTEREST IN PURSUING MATERNAL AND CHILD HEALTH CAREER AFTER PROGRAM COMPLETION



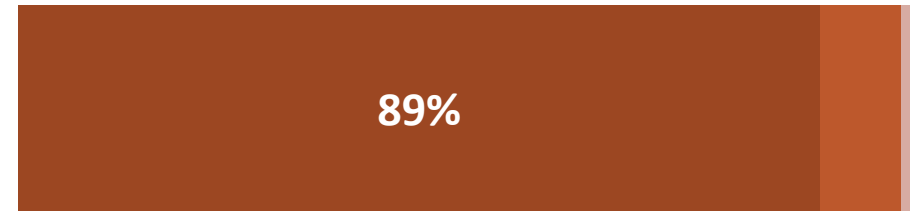
■ Agree ■ Neutral ■ Disagree

Results: Attitudes toward MCH

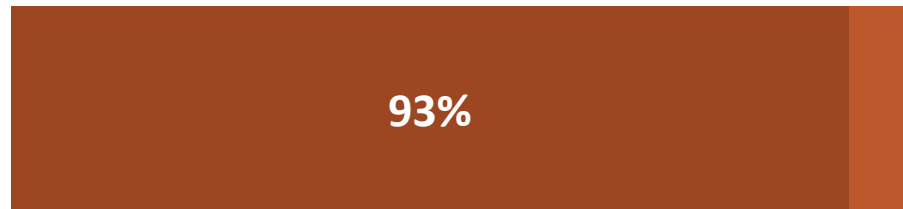
COMMUNITY SERVICE IS IMPORTANT PART OF MY CAREER



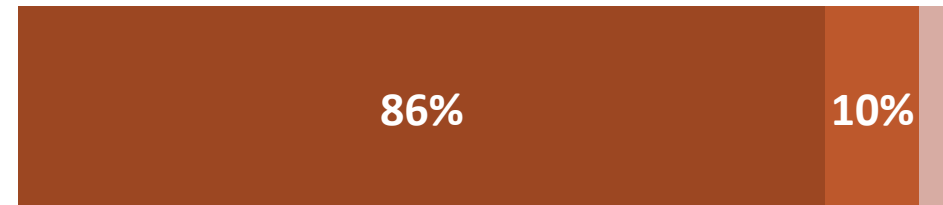
CAPABLE IN RESEARCHING MATERNAL AND CHILD HEALTH TOPICS



COMPETENCE IN CULTURAL COMPETENCY AND HUMILITY



INTEREST IN MATERNAL AND CHILD HEALTH PROGRAMS



■ Agree ■ Neutral ■ Disagree

It gave me a solid public health foundation which served as the start of my public health career. Many years later I reflect on that experience to inform policy and budgetary recommendations I make in regards to addressing Maternal Morbidity and Mortality in NYC.

The MCH Pipeline confirmed my interest in community education.

The courses, training, and mentorship from the program greatly influenced my career plans. I knew I wanted to go into healthcare, but did not know which fields I wanted to pursue. The program introduced me to maternal and child health, which would not have been available to me as an undergrad, and solidified my interests in working with this particular population.

Because of this program I pursued a masters degree and I am currently working with families and children.

It helped me with working with pregnant women and kids as I have been in the medical field for years but I was able to use what I learned from this program at work .

Successes

- ❖ Programs trained a variety of disadvantaged/underrepresented undergraduate students
- ❖ Vast majority pursued graduate-level education
- ❖ Vast majority pursued graduate-level training in maternal and child health specialties
- ❖ Vast majority worked in maternal and child health careers at some point
- ❖ Students developed interest in the field and received valuable academic and career guidance

Areas for improvement

- ❖ Increased interest/representation from the following MCH fields:
 - ❖ Dentistry, law, occupational therapy, physical therapy, speech and language pathology, audiology
- ❖ Creating long-term relationships with graduating students
 - ❖ Ability for them to serve as mentors to new students within pipeline programs

Limitations

1. Obtaining and integrating data from multiple sites
2. Delays due to processing of DUAs
3. Differences in standards of IRB approvals between sites
4. Lower response rates from alumni graduated several years ago



Thank You
