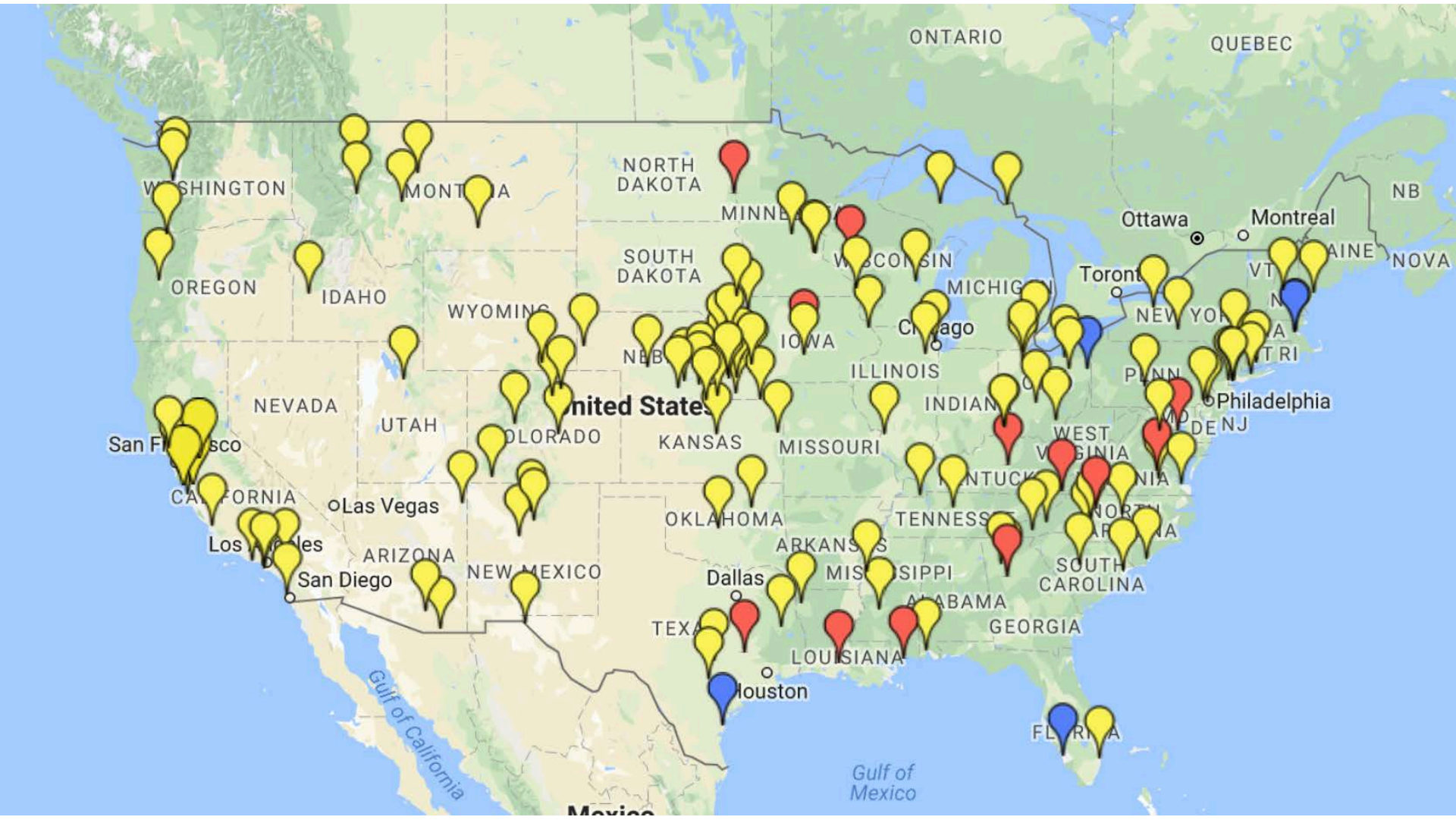


The Community Alliance for Mathematics

Brianna Donaldson

American Institute of Mathematics



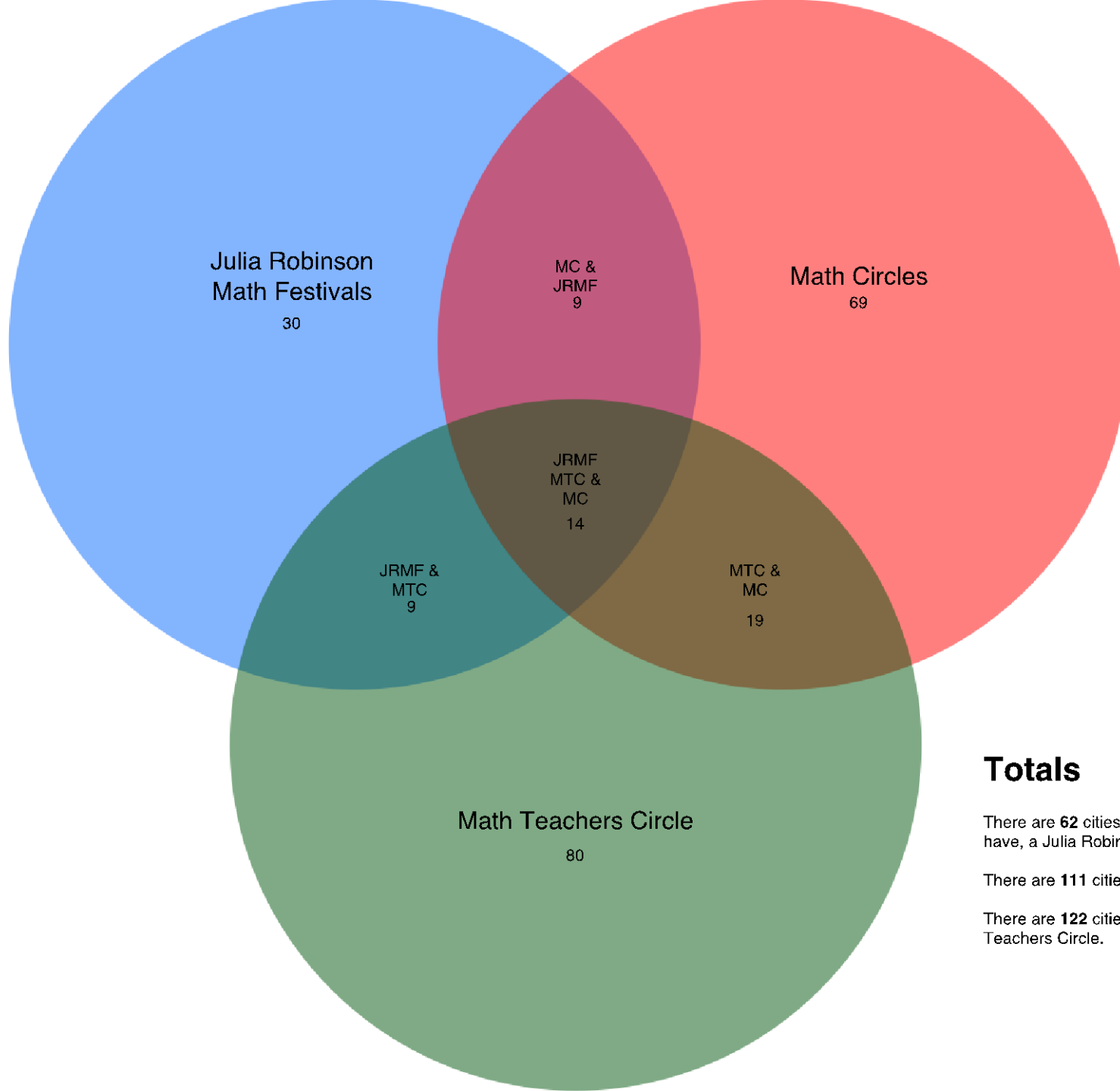


Question

How are we doing as a community in reaching underrepresented students and their teachers?

Consider three types of maps:

- Access
- “Equity Warmth”
- Connectedness



Totals

There are **62** cities that have, or are scheduled to have, a Julia Robinson Math Festival.

There are **111** cities that have an active Math Circle.

There are **122** cities that have an active Math Teachers Circle.

Connectedness

- Out-of-school spaces have transformative potential for engaging/reengaging students in mathematics (cf. Gutiérrez & Irving, 2012; Walker, 2012).
- Teachers can be key partners in creating these spaces, while also engaging in professional learning so that they can create similar spaces in their classrooms every day.
- Our community has already done a lot to build these spaces for *some* students and teachers. We have the potential to not only make existing spaces more accessible and equitable, but also to connect them in a way that bridges out-of-school experiences to everyday, in-the-classroom experiences that will reach many more students.

Community Alliance for Mathematics: Vision

For students, teachers, and families of every color, gender, and income level, in every ZIP code, to have meaningful access to equitable spaces for doing mathematics.

By increasing collaboration among partner organizations and growing sustainable regional infrastructure that intentionally focuses on reaching underrepresented groups through partnerships between teachers and mathematicians, CAM will foster a nationwide web of community engagement with mathematics as an active, creative, and living discipline that belongs to all.

Community Alliance for Mathematics: Partners

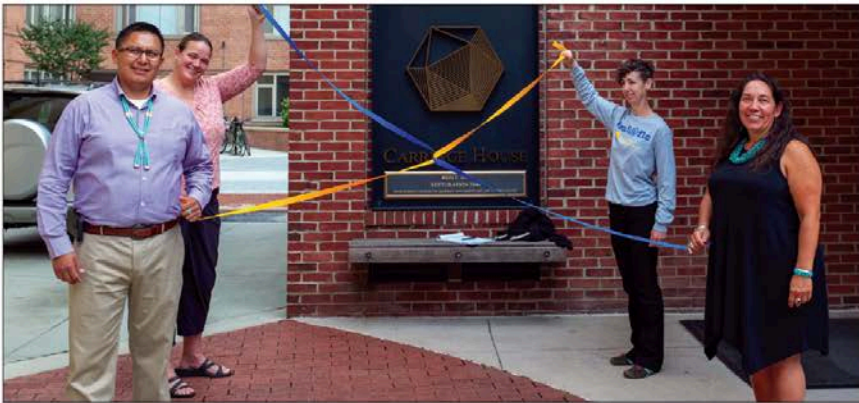
- AIM
- MSRI
- MAA
- MTC Network
- National Association of Math Circles
- Alliance of Indigenous Math Circles
- Julia Robinson Mathematics Festivals
- Indigenous Math Circle Communities (NSF INCLUDES Launch Pilot)
- Mathematicians of Color Alliance (NSF INCLUDES Launch Pilot)

How Do We Get There?

- Build on existing programs and emerging regional infrastructure
- Spread strategically to areas and populations traditionally underserved by our community
 - MAA MTC Training Workshop
 - AIMC Summer Math Camps
- Increase communications and conversations at the local, regional, and national levels

“What Can I Do Now?”

- Consider your own programs
 - Who are you reaching?
 - Who feels welcome and included?
- Connect and explore collaborating with other nearby MTCs, MSCs, JRMFs, etc.
- Consider whether your area is a good candidate for a Community Alliance for Mathematics pilot site.
- Stay tuned—more to come by January!



Photos courtesy of Bob Klein.

Thank you!



Brianna Donaldson

brianna@aimath.org