



We've Got Diabetes Covered!



*Thank you for
joining us for this
afternoon's
program.*

We will begin
promptly at
12pm.



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The (Virtual) Diabetes Camp Experience for Children and Teens with T1D: Youth Outcomes and Positive Impact on Diabetes Management

Disclosures	Action
Criteria for Successful Completion	<ul style="list-style-type: none"> • Attendance to 100% of activity • Completion of evaluation with intent to change practice.
Conflicts of Interest Statements for Planning Committee	The planning committee members have no relevant financial relationship to declare.
Conflicts of Interest Statements for Faculty/Presenters/Authors	The content experts/faculty/presenters/authors have no relevant financial relationship to declare.
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Continuing Education	<p>This continuing nursing education activity is provided by Camp Kudzu, Inc through Georgia Nurses Association, an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.</p> <p>Contact hours: 1.0 Activity ID: 33056</p>

The (Virtual) Diabetes Camp Experience for Children and Teens with T1D: Youth Outcomes and Positive Impact on Diabetes Management



Today

- Discuss parent and child findings from 2019 and 2020
- Plan for future research
- Understand importance of diabetes camp
- How do school nurses fit into the equation?



About Ryan Gagnon

- Assistant Professor- Parks, Recreation and Tourism Management
- Clemson University
 - Youth Thriving
 - Overparenting
 - Underrepresented Youth in OST Programs

About Anna Albritton

- Medical Director, Camp Kudzu
- Children's Healthcare of Atlanta
- Registered Dietitian
 - Certified Diabetes Educator





About Camp Kudzu

Summer 2019,
Camp Kudzu hosted

35

228

were first time
campers/families



80
counties
represented



33 campers
came from Florida,
Alabama, Tennessee,
North Carolina and
South Carolina

Our leadership program included:

24 Junior Counselors

50 Counselors in
Training (CITs)



77
Campers road
the bus

73 new school nurses
know about us

representing
67 districts/counties

11 =

4,254
years of THIRIVING
with type 1
diabetes

We were fortunate to have the help of
medical supplies donated totaling
\$577,622

Camp we

4,412
juice boxes

36,000
BG strips



In 2019, we were able to award

\$213,418
in Financial Support

237
Golden Awards



Approximately
36,143
shots given

185
Sharpest
Lancet Awards



16,225
hours of medical
services, valued at
\$580,155

12,143
total midnight
checks



16 Endos volunteered
(across all programs)



Programs offered

- Week-long summer residential sessions for ages 8-18
- Week-long day camp session for ages 5-8
- Family camp weekends for children of all ages
- Teen retreat weekend for ages 12-18
- Various day programs
 - Surfing
 - White water rafting
 - Zoo

What We
Know...

2019
Outcomes

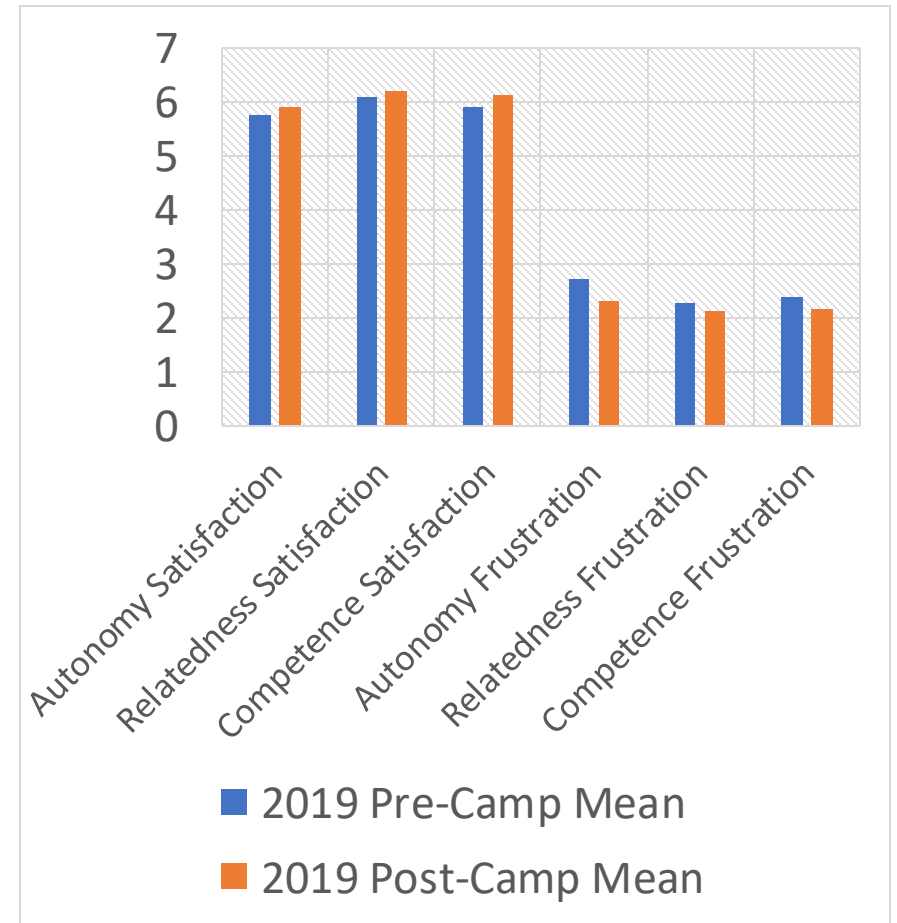




What is statistical
significance?

Camper Reported Development

- Kudzu campers grew where they should have grown and decreased where they should have decreased.
- Statistically significant growth in satisfaction of autonomy, competence, and relatedness.
- Marked decreases in frustration of autonomy, competence, and relatedness.



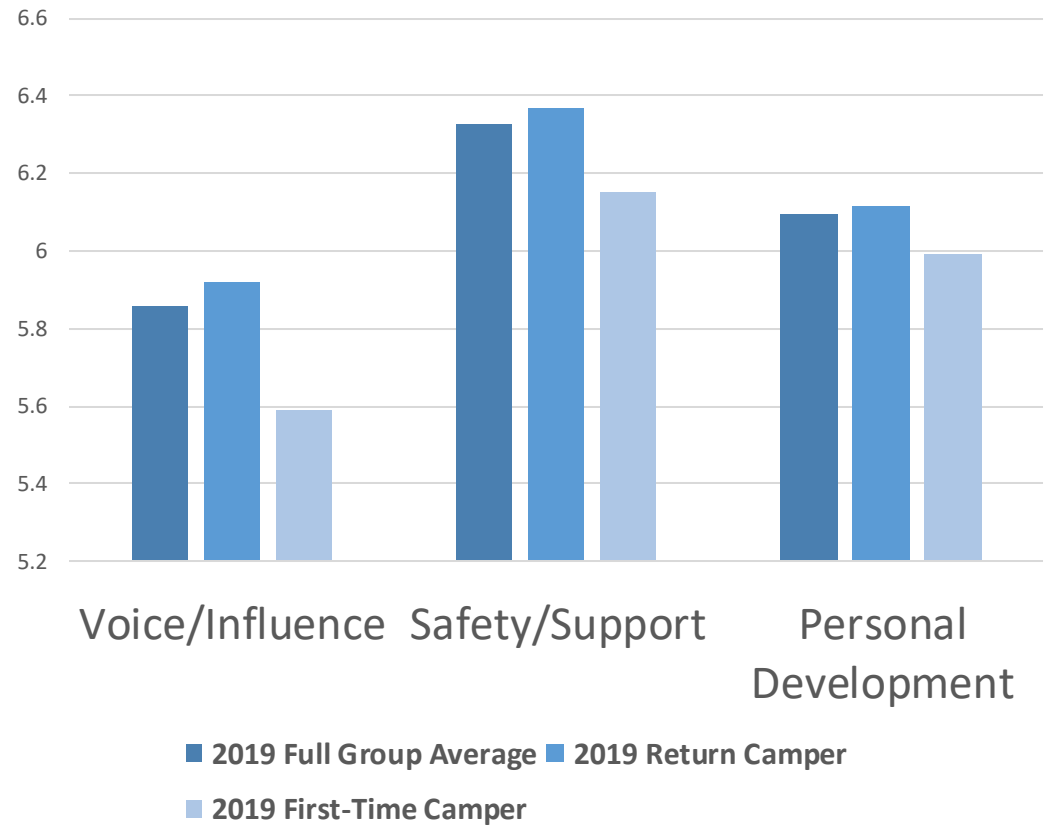
Camper Engagement

I Had A Voice at Camp Kudzu

I felt Safe At Camp Kudzu

*I am better and different
because of Camp Kudzu*

Camper Engagement by Camper Experience



Because of Camp Kudzu...

1. Camp strengthened my friendships and networks.

2. Camp made me more competent.

3. Camp increased my self-confidence.

4. Camp helped me feel normal.

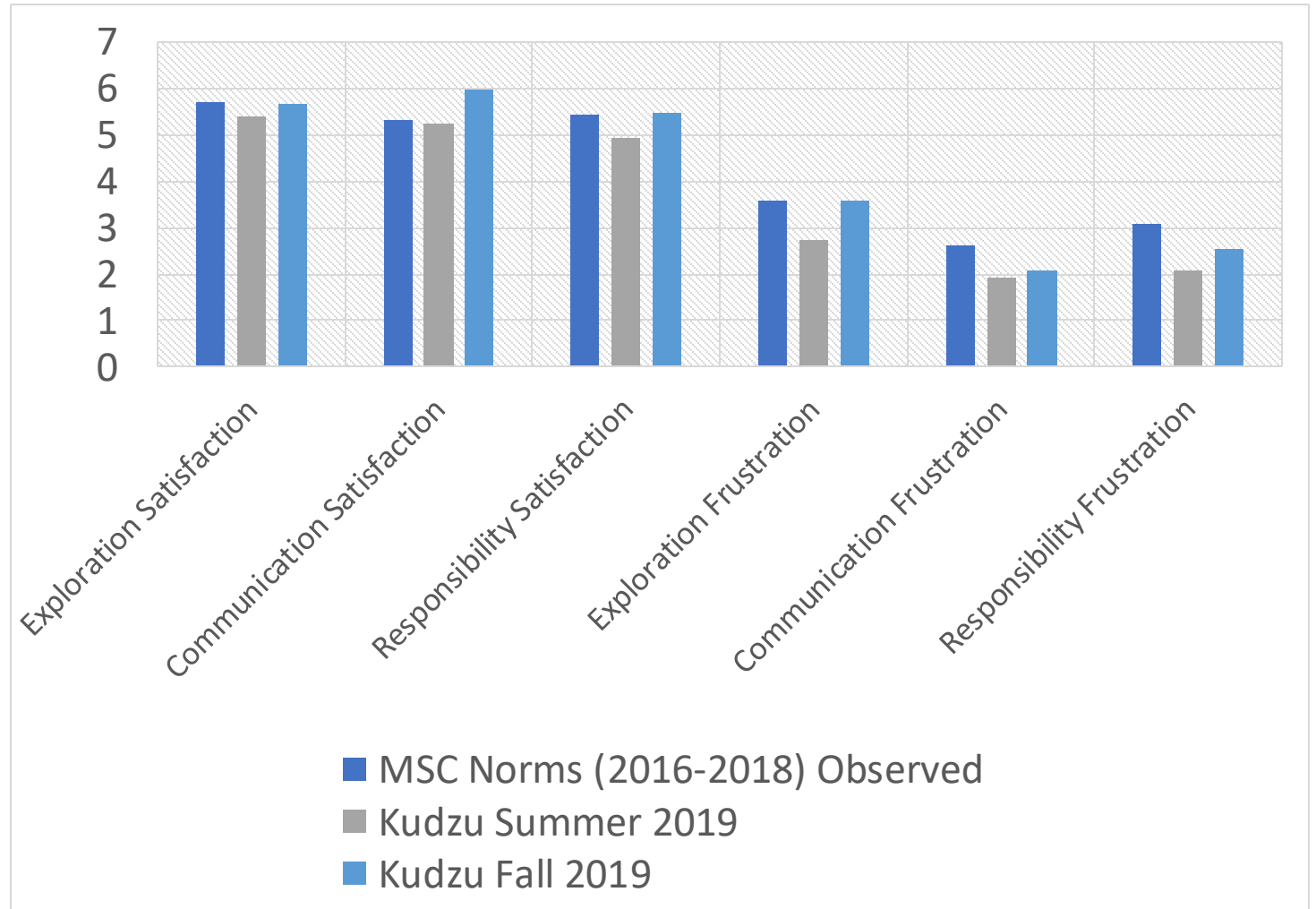
5. Camp taught me to accept my abilities/limitations.

6. Camp made me happy.



MSC Norms vs. Summer 2019 Kudzu vs. Fall 2019 Kudzu

- Parents reported positive gains in **exploration**, **communication**, and **responsibility** (satisfaction) scores.
- Campers significantly increased in the three targeted outcomes, suggesting not only a sustained positive impact, but also an increased positive impact from Summer to Fall.



Most Common Reasons Camp Kudzu is an Important Experience for My Child

1. My child's experience with diabetes was normalized.

2. My child developed friendships and received social support from peers and staff.

3. My child became more independent.

4. My child became more knowledgeable about managing their diabetes.





How did we
adapt to our
world today?

camp
kudzoom

The logo for Camp Kudzoom features the word "camp" in blue and "kudzoom" in orange and blue. A green vine with three leaves is positioned above the "zoo" part of the word. The letter "m" is replaced by a computer mouse with a green top and purple bottom, and a green cord that loops back to the vine.

Summer P.A.C.K. (Project At Camp Kudzu)





Why does assessment,
benchmarking, and evaluation
matter?

- Parents are the decision-makers (What story are they telling about you?)
- If you didn't (or don't) measure it, then it didn't happen.
- Organizational quality (and improvement) requires it!
 - If you aren't getting better...
- Camp Kudzu is building evaluation capacity

The Research Process

Parents

- Surveyed electronically at the end of their child's camp experience
 - Satisfaction
 - Demographics
 - Observed Socioemotional Skills
 - Diabetes Management and Technology
 - Concerns
- 87 total respondents (N=261 Summer 2019)

Campers

- Surveyed electronically at beginning and culmination of virtual camp experience
 - Demographics
 - Reported Socioemotional Skills
 - Diabetes Management and Technology
 - Engagement

Our samples:

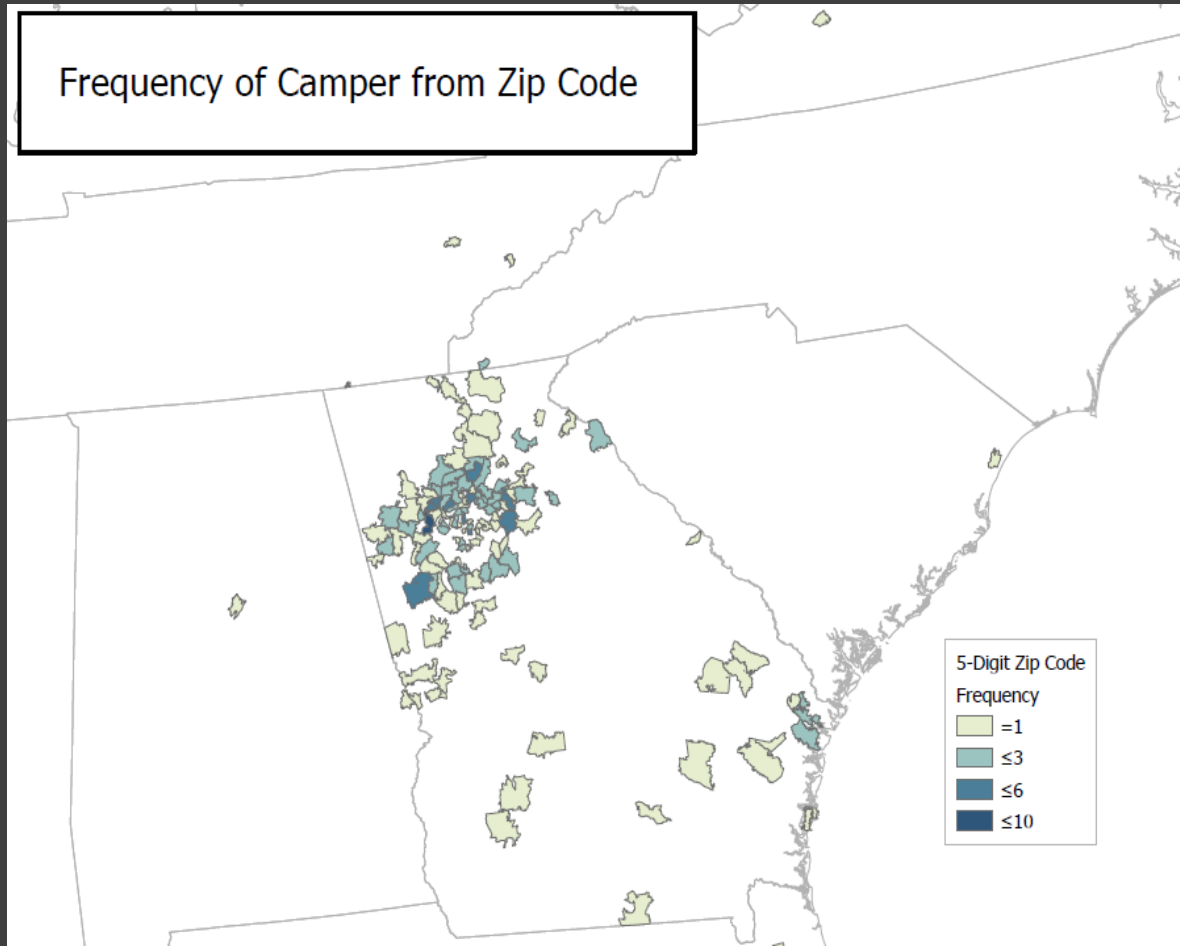
Parents

- Mostly Female (86%)
 - This is normal is camp research
- Mostly White (~70%)
- Broad Range of Income
 - Average = \$102,953
 - Georgia Median = \$67,983
 - Scholarship (\$48,736)
 - Non-Scholarship (\$158,943)

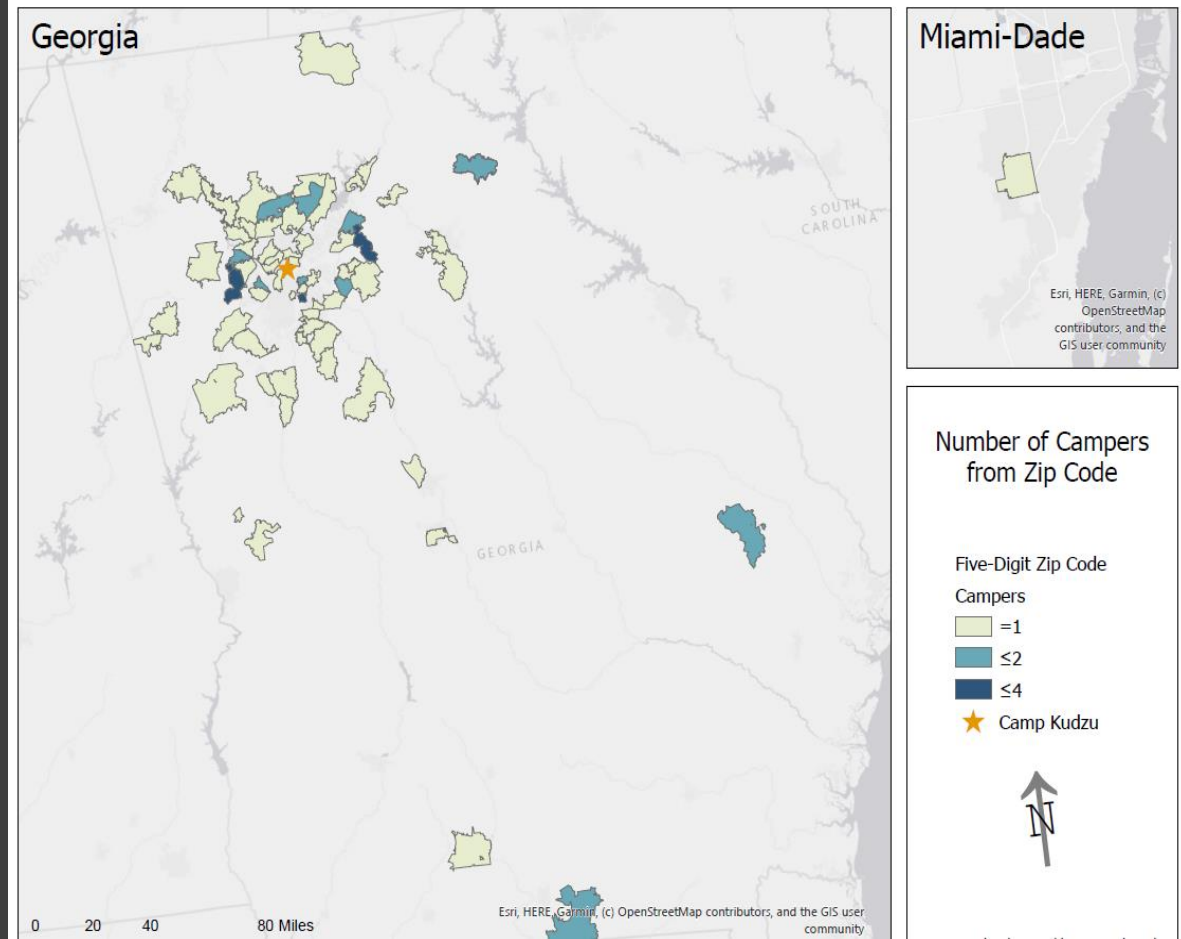
Who else can we serve?
Who aren't we hearing
from?



Frequency of Camper from Zip Code



2019



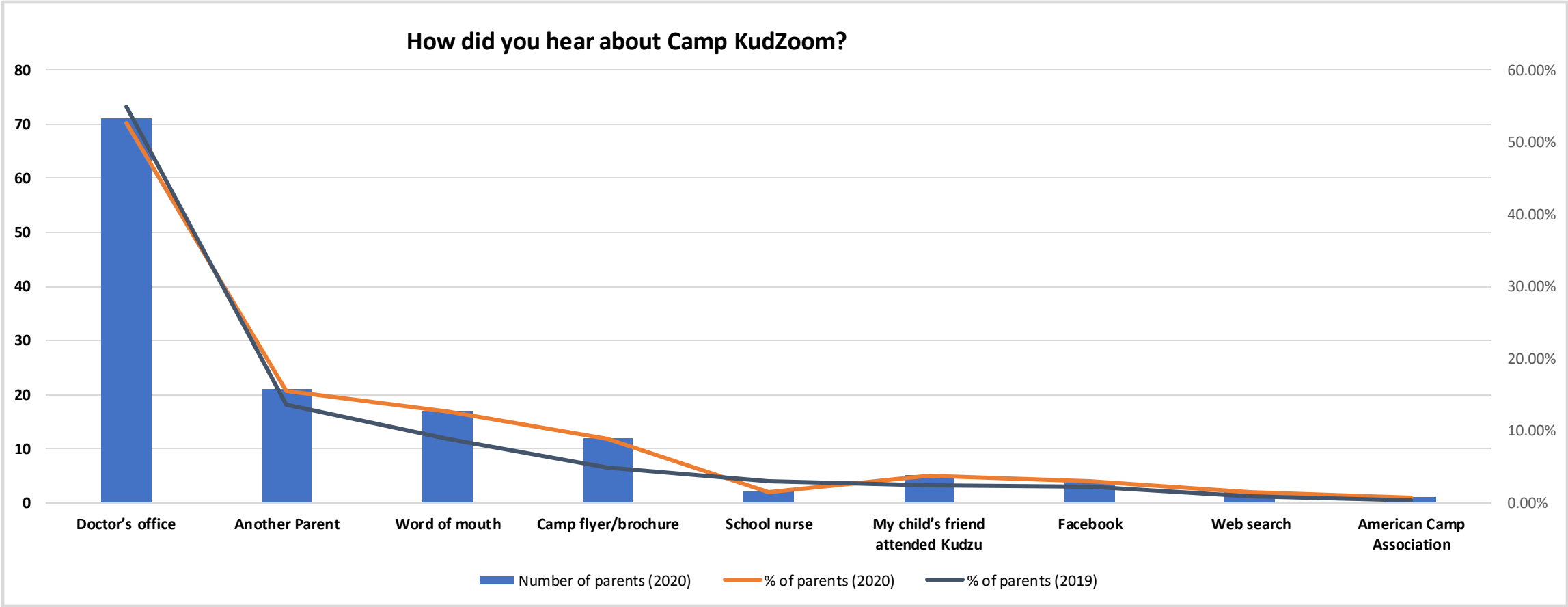
2020

Where are they from?

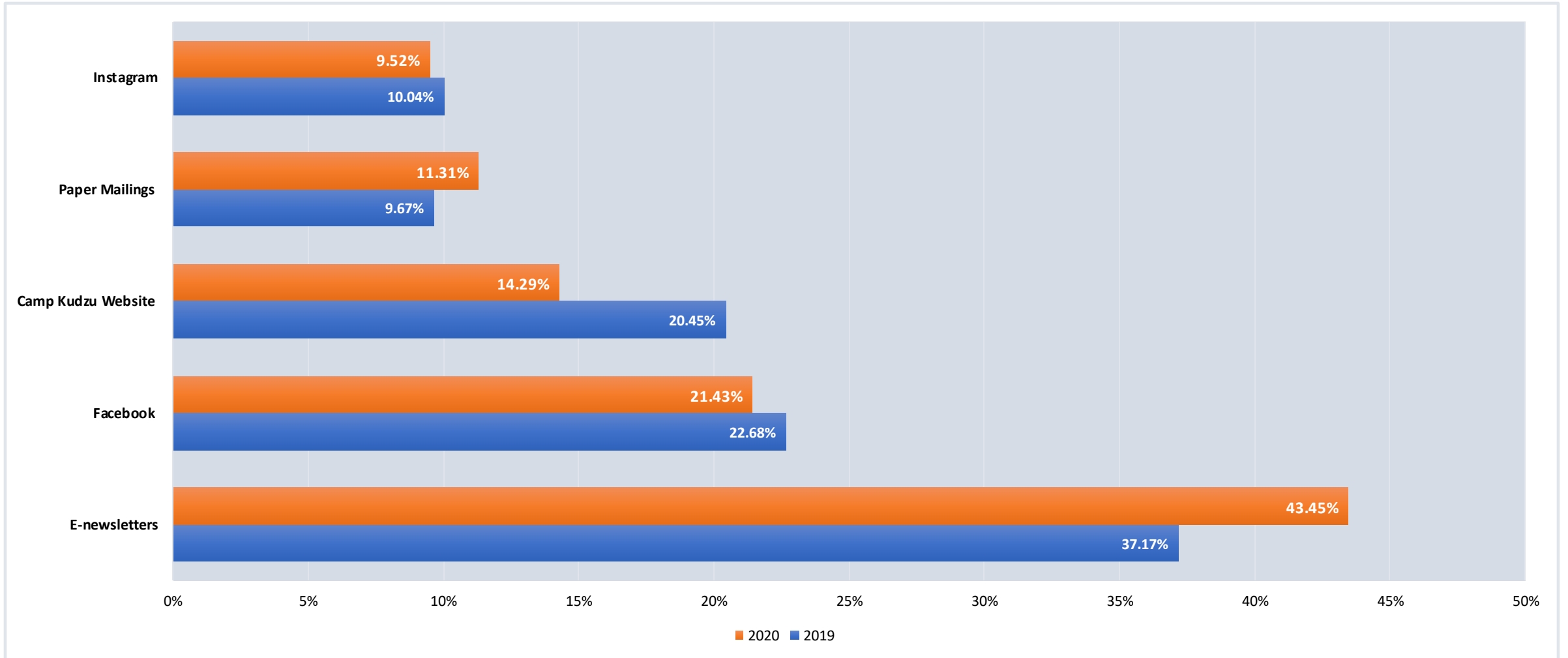
Primacy of campers are from Atlanta metro area, regardless of camp session

Top 3 Ways parents heard about Kudzu

Which of the “low performers” surprise you?

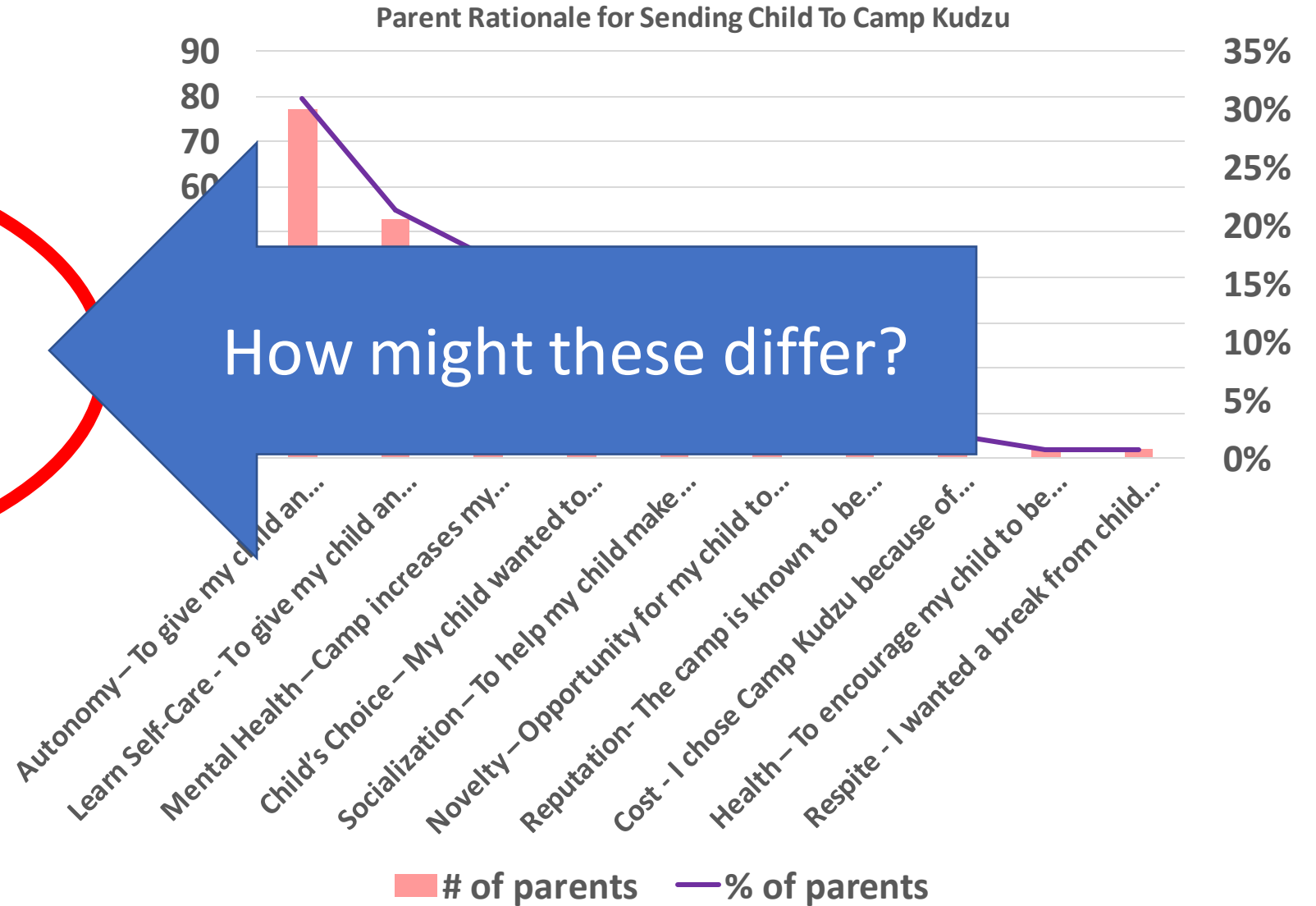


Parent Preferred Method of Communication 2019 vs. 2020

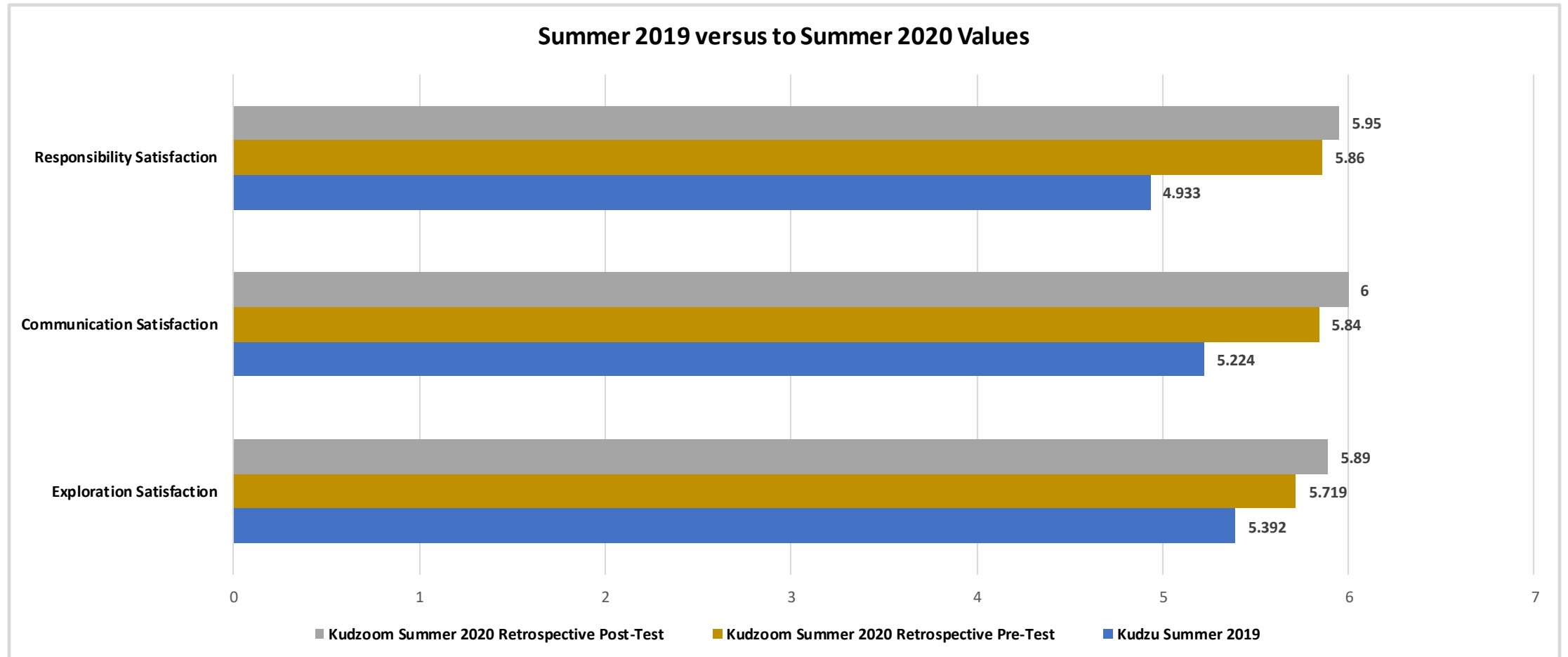


Why did you select Kudzu?

- Give my child autonomy ~31% (77)
- Opportunity to learn self-care ~21% (53)
- For their mental health- camp makes my child happy ~17% (43)



Parent Reported Behavior Change



Top New Camp Kudzu Activities Parents Suggested

1. In-person activities

2. Meeting other parents of children with type 1 diabetes.

3. Activities that prepare their child for future independence

4. Virtual education programs for parents

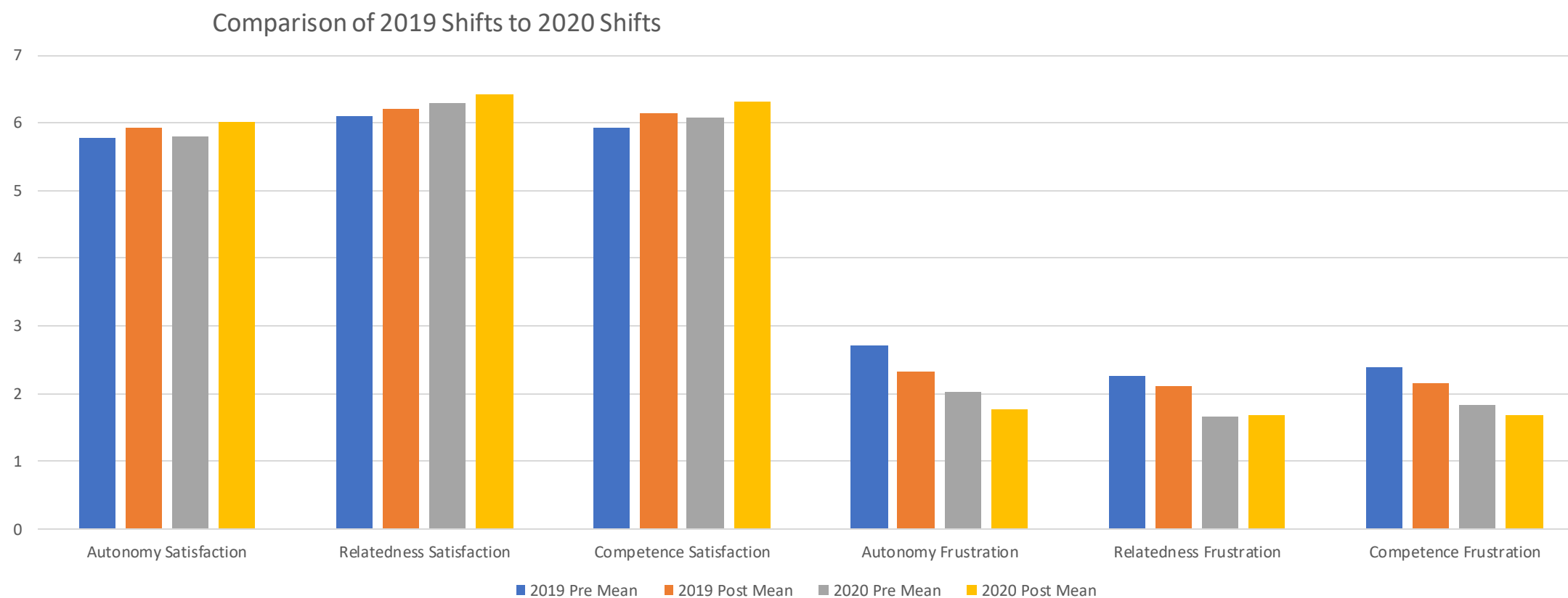
5. Food preparation and cooking activities



Our samples: Youth

- 85 total respondents (~43% R/R)
 - 2019 - 537 respondents, 99% R/R
- Mostly Female (69.7%)
- Mostly White (~77%)
 - Slightly Overrepresented Compared to Georgia Demographics
 - 2019 - 69%
- Average of ~5 years living with T1 Diabetes
- 19% of campers were attending Kudzu for the first time
 - 81% Return Campers (Average experience ~3 years)

Youth Reported Changes in Need Satisfaction and Frustration Pre- to Post Camp



How KudZoom Influenced Campers' Thoughts, Feelings, and Behaviors...

1. Camp strengthened my friendships and social networks.

2. Camp helped me become more competent.

3. Camp increased my self-confidence.

4. Camp boosted my sense of belonging and self-esteem.

5. Camp helped me become more responsible.

6. Camp made me happier.

Next Steps

- Assess the ways in which parents learn about Camp Kudzu to inform future parent and child recruitment strategies
- Identify potential resource pools and partners to further support program of evaluation and research at Camp Kudzu
- Explore how emerging technologies are improving diabetes self-care and parental management
- Investigate methods to sustain camp impact for both parents and children beyond Summer experiences. Why do some campers participate and not others?
- Evaluate how the identified Camp Kudzu “impact factors” (independence, social support, normalization) may help children be successful in other life domains (academics, sports, non-camp OST experiences, relationships outside of camp)



QUESTIONS?

- Thank you!
 - Look out for email with link for online evaluation
 - Once completed, you'll receive a CNE certificate for 1.0 Contact Hour

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