



The Policy & Research Group

New Orleans | Seattle

Demystifying Data

Using Real-Time Dashboards to Support a Virtual Program for Young Parents

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2024WARD: Building Brighter Futures for Today's Youth Leaders
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U.S. Department of Health and Human Services, Administration for Children, Youth, and Families (ACYF), Family and Youth Services Bureau (FYSB) Adolescent Pregnancy Prevention Program Grantee Conference



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Objectives

At the end of this presentation, participants will be able to...

- **Describe three types of data that can be integrated into a real-time dashboard.**
- **Explain two benefits to real-time data monitoring in study and program implementation.**
- **Identify one element of their work that could benefit from real-time data monitoring.**



Overview

Supporting a virtual program for young parents

- **Why did we create a dashboard?**
- **How does the dashboard work?**
- **What are the benefits to project stakeholders?**
- **What questions can we answer using real-time data?**



Quick poll:

What are your biggest challenges with participant- and program-level data analysis?

1

Cleaning, organizing,
& prepping data

2

Monitoring
program data
(fidelity, dosage,
satisfaction)

3

Monitoring
study data
(recruitment,
enrollment)

4

Monitoring staff
performance
(to enroll participants,
to deliver program)

5

Answering questions
efficiently

6

Sharing relevant
information with
partners

7

Flagging
implementation
issues
(study, program)

8

Making time
for it



Why did we create a dashboard?



Why did we create a dashboard?

Study background

- **Program under study: Young United Parents! (YUP!)**
- **Virtual randomized controlled trial (RCT) enrolling 1,400 parents aged 15-20**
- **Difficult population to reach and engage**
- **National recruitment and virtual implementation offers a wide range of options**



Why did we create a dashboard?

Data monitoring history and need

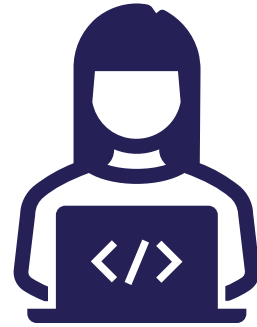
- **Data monitoring previously an interval, time intensive, and manual process**
- **Need for project staff to access easily interpretable, current data at their convenience**
- **Dashboard provides faster and more efficient way to manage study and program implementation**
- **Critical to assessing progress, making more precise modifications to solve problems, and seeing how new strategies are working**



How does the dashboard work?



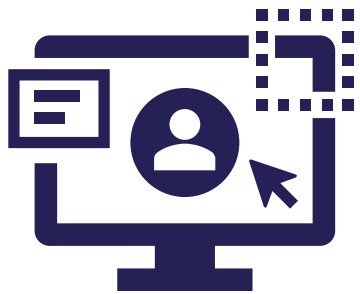
Software conducts automatic data transfers



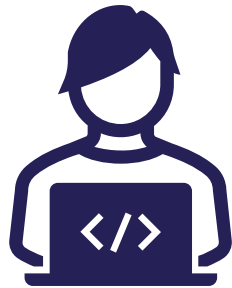
PRG uses SQL code to specify and format data for dashboard



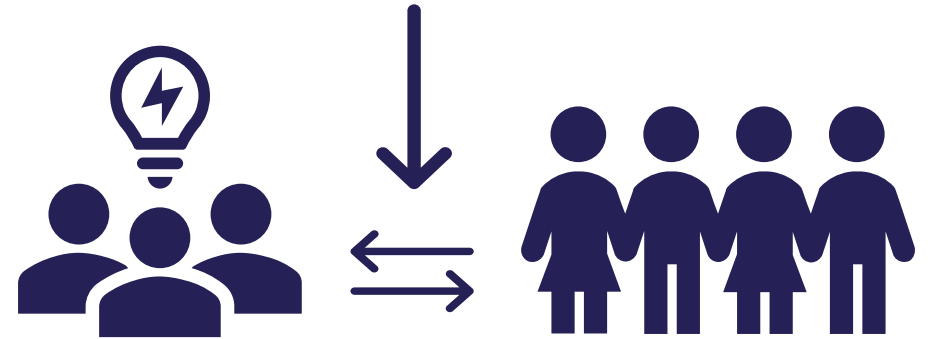
Formatted data appear in interactive dashboard



Research coordinators use participant data management system



Participants use survey software system



Stakeholders use data to inform project and to better serve youth



How does the dashboard work?

Data included

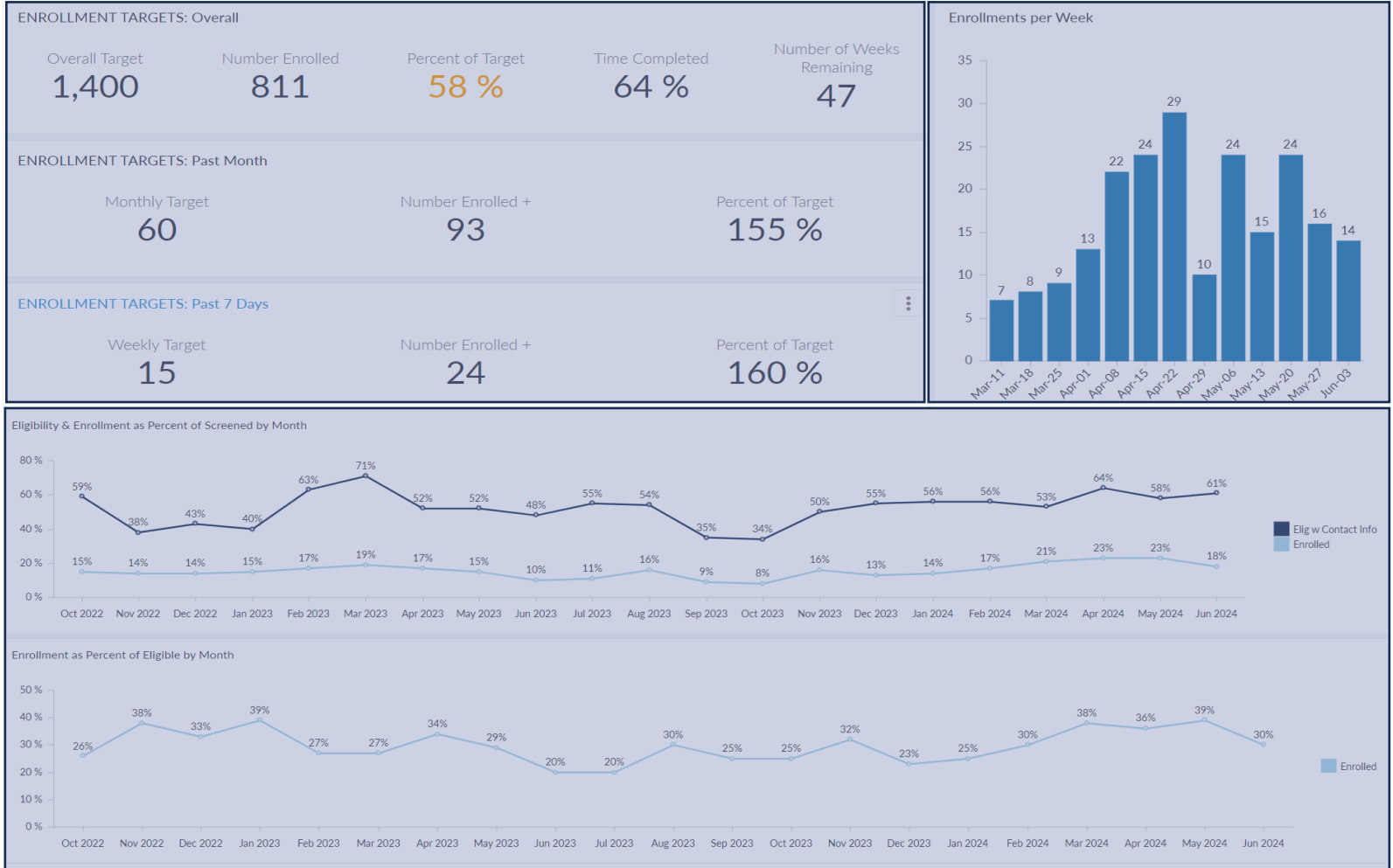
- **Study overview metrics**
- **Research coordinator metrics**
- **Recruitment mode charts**
- **Questionnaire completion metrics**
- **Program implementation metrics**
- **Missing values**

Study overview metrics

Screening, Eligibility, and Enrollments

Updates at 5 p.m. Pacific time Monday-Friday

UPDATE
3 minutes ago

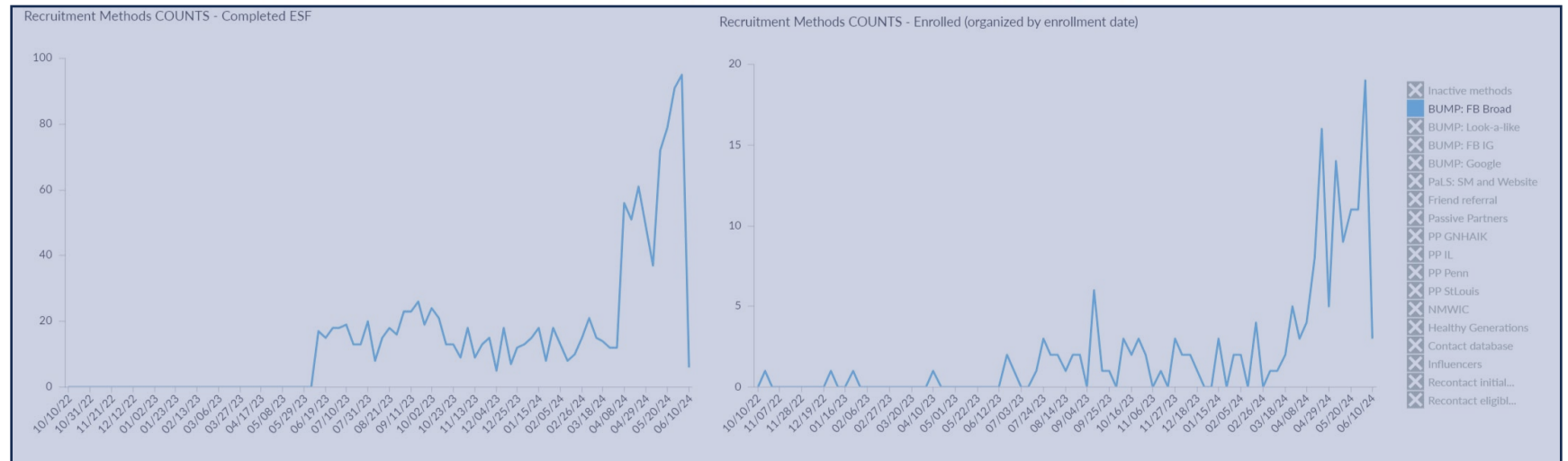
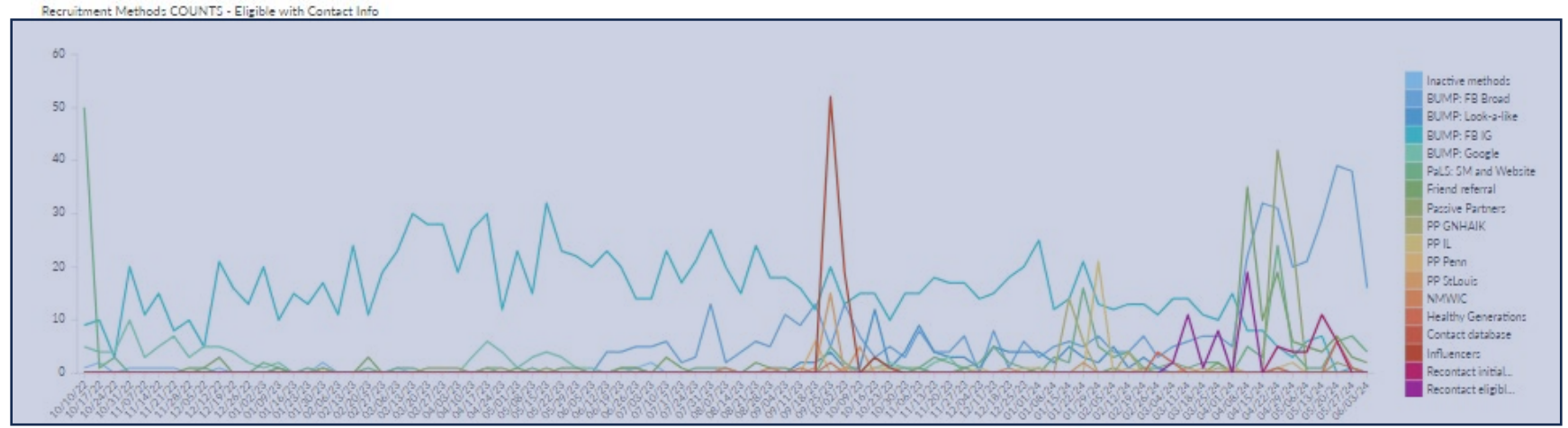


Research coordinator metrics





Recruitment mode charts



Recruitment Methods COUNTS - Eligible with Contact Info

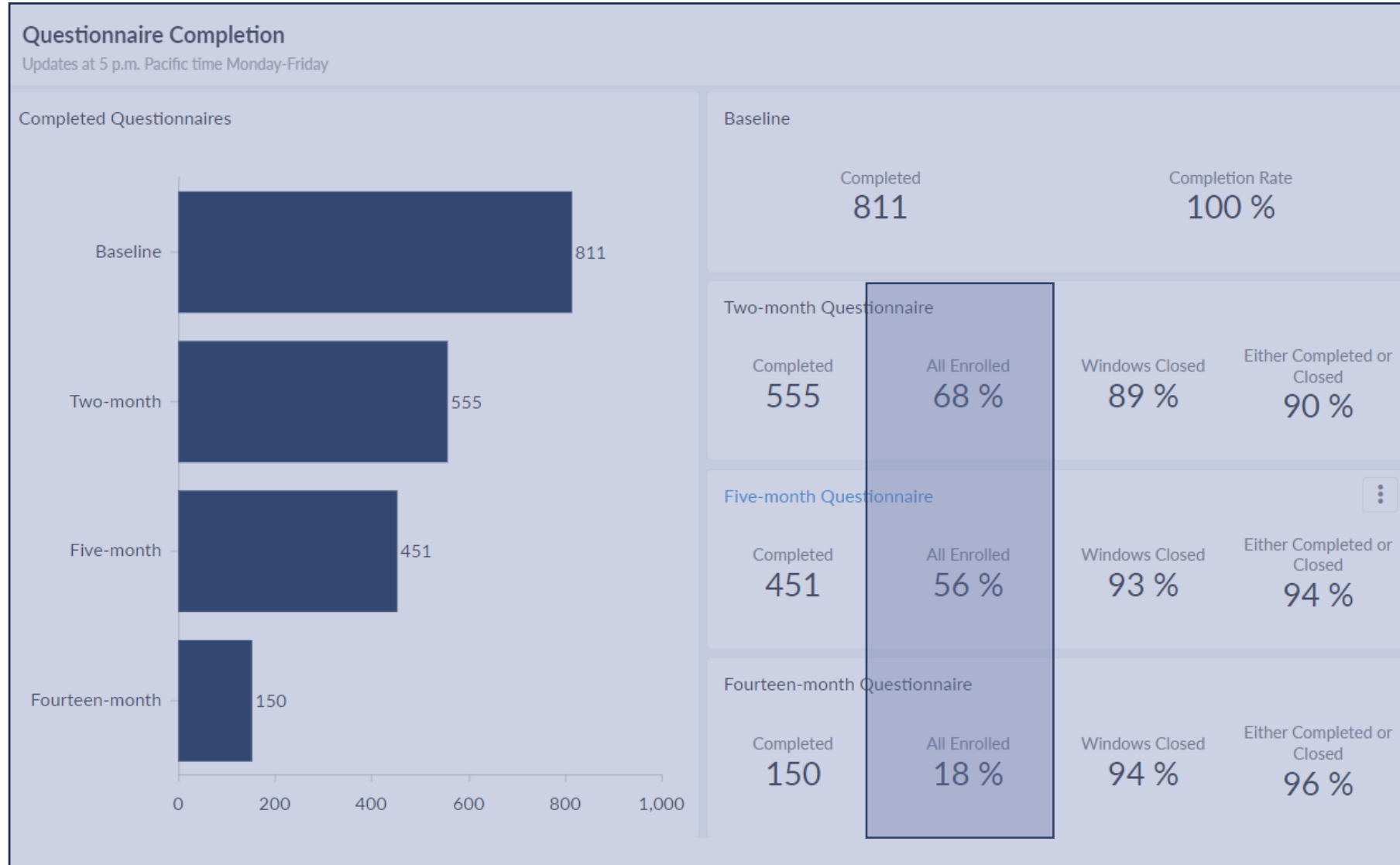
	Week Starting	Inactive methods	BUMP: FB Broad	BUMP: Look-a-like	BUMP: FB IG	BUMP: Google	PaLS: S1
1	06/10/24	0	1	0	0	0	0
2	06/03/24	0	38	0	0	0	10
3	05/27/24	0	38	0	1	0	7
4	05/20/24	0	39	0	0	0	6
5	05/13/24	0	29	0	7	0	1
6	05/06/24	0	21	0	6	0	1
7	04/29/24	0	20	0	3	0	4
8	04/22/24	0	31	0	5	0	24

Recruitment Methods PERCENTS - Eligible with Contact Info

	Week Starting	Inactive methods	BUMP: FB Broad	BUMP: Look-a-like	BUMP: FB IG	BUMP: Google	PaLS: S1
1	06/10/24	0%	100%	0%	0%	0%	0%
2	06/03/24	0%	75%	0%	0%	0%	20%
3	05/27/24	0%	75%	0%	2%	0%	14%
4	05/20/24	0%	59%	0%	0%	0%	9%
5	05/13/24	0%	56%	0%	13%	0%	2%
6	05/06/24	0%	57%	0%	16%	0%	3%
7	04/29/24	0%	31%	0%	5%	0%	6%
8	04/22/24	0%	24%	0%	4%	0%	19%



Questionnaire completion metrics



Missing values

Missing Data

Updates at 5 p.m. Pacific time Monday-Friday

UPDATED
a few seconds ago

Missing Data

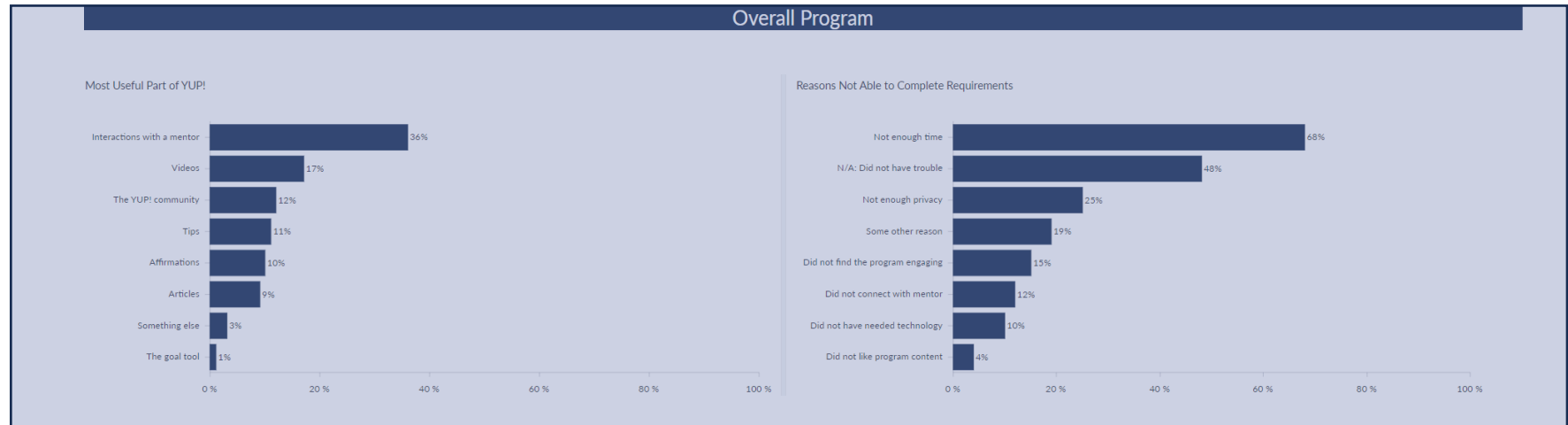
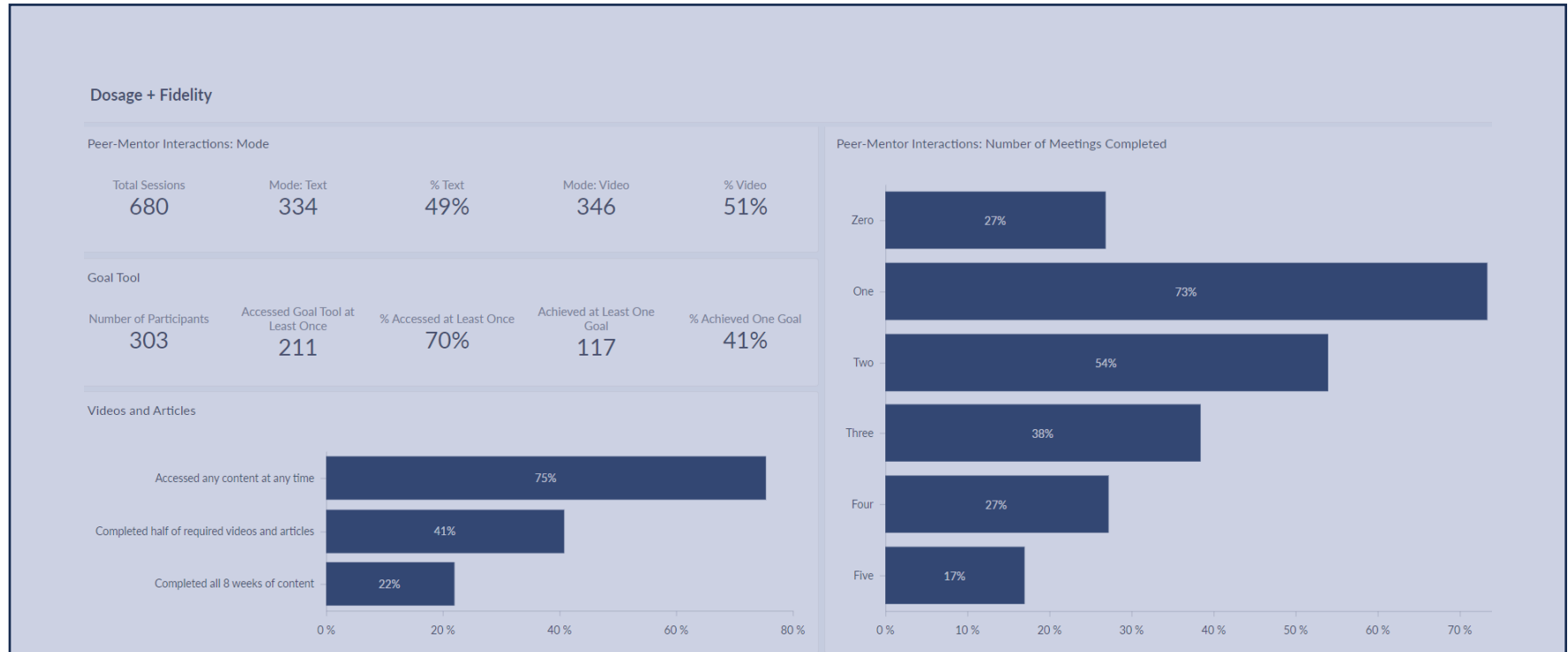
Next | Show All 143 rows

	Enrolled	Esf Number	Statusid	Age	Source	Site	Staff Assigned	Age Matching	Future Study Interest	Locator Form	Already Enrolled
1	1	29043597588	Active - Enrolled	19	Contact Database Follow-up	Recontact eligible not contacted	RC7-Jordyn	true	false	true	false
2	0	85993401447	No-show/cancellation - trying to reschedule	999	Contact Database Follow-up	Recontact initially ineligible	RC7-Jordyn		true	false	
3	1	4399221059	Active - Enrolled	18	Online Advertisements	BUMP Instagram & FB	RC4-Sarhely	true	false	true	false
4	1	77764927609	Active - Enrolled	19	Contact Database Follow-up	Recontact eligible not contacted	RC7-Jordyn	true	false	true	false
5	0		Not eligible	21			999	false	false	false	false
6	1	33318032238	Active - Enrolled	20	Contact Database Follow-up	Recontact initially ineligible	RC7-Jordyn	true	true	true	false
7	1	9360143144	Active - Enrolled	20	Online Advertisements	BUMP Facebook Broad Strategy	RC7-Jordyn	true	false	true	false
8	1	2773654579	Active - Enrolled	19	Online Advertisements	PaLS Facebook	RC5-Sarah	true	true	true	false
9	1	3551892087	Active - Enrolled	20	Online Advertisements	BUMP Instagram & FB	RC4-Sarhely	true	false	true	false
10	1	6554802631	Active - Enrolled	20	Online Advertisements	BUMP Instagram & FB	RC5-Sarah	true	false	true	false
11	1	4385223354	Active - Enrolled	19	Online Advertisements	BUMP Instagram & FB	RC4-Sarhely	true	false	true	false
12	1	8221004180	Active - Enrolled	21	Online Advertisements	BUMP Google	RC4-Sarhely	true	false	true	false
13	1	4330403704	Active - Enrolled	19	Online Advertisements	BUMP Instagram & FB	RC4-Sarhely	true	false	true	false
14	1	7747737303	Active - Enrolled	20	Partners	Friend referral	RC4-Sarhely	true	false	true	false
15	1	8460078182	Active - Enrolled	19	Online Advertisements	BUMP Instagram & FB	RC4-Sarhely	true	false	true	false
16	1	6968292059	Active - Enrolled	20	Online Advertisements	BUMP Instagram & FB	RC4-Sarhely	true	false	true	false
17	1	87799536583	Active - Enrolled	18	Contact Database Follow-up	Recontact initially ineligible	RC4-Sarhely	true	true	true	false
18	1	2779851392	Active - Enrolled	19	Online Advertisements	BUMP Instagram & FB	RC4-Sarhely	true	false	true	false
19	1	3215857497	Active - Enrolled	19	Online Advertisements	BUMP Facebook Broad Strategy	RC4-Sarhely	true	true	true	false
20	0	93166741072	No-show/cancellation - trying to reschedule	999	Contact Database Follow-up	Recontact initially ineligible	RC7-Jordyn		true	false	
21	0		Not eligible	999			999	false	false	false	false
22	1	51273835045	Active - Enrolled	20	Contact Database Follow-up	Recontact eligible not contacted	RC7-Jordyn	true	false	true	false

Powered by Cluvia



Program implementation metrics





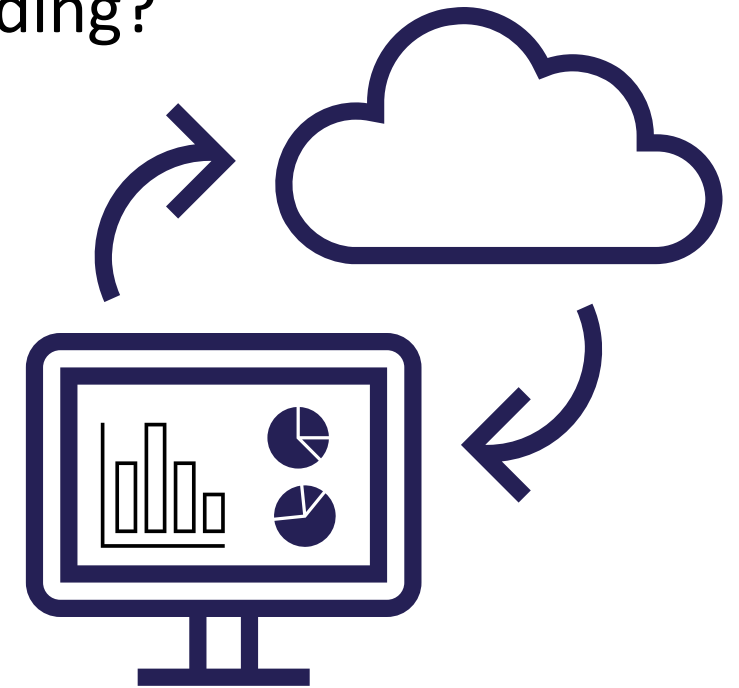
What are the benefits to project stakeholders?

What are the benefits to project stakeholders?

Research team

■ Immediate access to current data

- Are we meeting enrollment targets?
 - Which recruitment methods are succeeding?
 - Proportion eligible out of those who completed the screening form?
 - Proportion enrolling out of those who screened eligible?
- Are we meeting retention targets?
 - Questionnaire completion rates?
 - Gift card preferences?

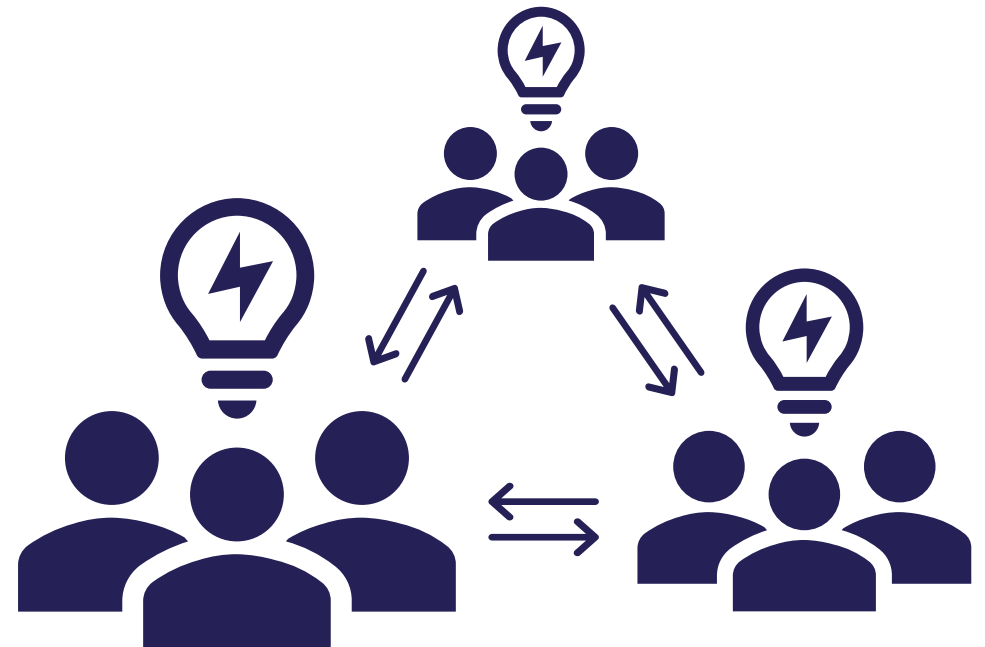


What are the benefits to project stakeholders?

Research team

■ Collaboration within and across project roles

- Research coordinators can compare notes and track progress toward project goals
- Project managers can evaluate success of different strategies



What are the benefits to project stakeholders?

Participant recruitment partners

- Can see immediate impact of recruitment outreach efforts
- Can measure success of different strategies
- Can finetune partner agreements with ease and frequency



What are the benefits to project stakeholders?

Program implementation partners

- **Can see program fidelity (adherence, dosage, and quality) and participant feedback in real-time**
- **Can access and analyze data without formal request or schedule from research team**





What are the benefits to project stakeholders?

Overall

- **Informs resource allocation for study implementation**
- **Reduces staff time spent on data management and analysis**
- **Ensures we more effectively use the data we are collecting**
- **Improves accessibility of real-time data across project stakeholders**

What are the benefits to project stakeholders?

Overall

■ Builds stakeholder capacity to...

- Better understand and leverage information to make data-informed decisions
- Communicate project challenges and successes with staff/partners
- More effectively serve youth and achieve project goals





What questions can we answer using real-time data?

Quick Poll

What should we answer today?

- **What are the top three reasons why people who complete the screening form are not eligible?**
- **How long does it take most participants to enroll in our study?**
- **How many patients completed our screener after clinic staff sent out a batch of text messages?**
- **What percentage of our participants completed their first program session with their assigned peer mentor?**
- **How many participants have completed our long-term (14-month) follow-up questionnaire?**



Join by web:

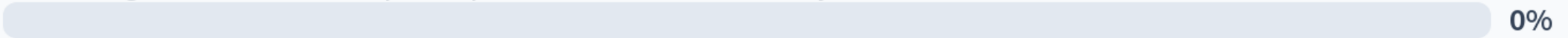
PollEv.com/prgdashboard243

What should we answer today?

What are the top three reasons why people who complete the screening form are not eligible?



How long does it take most participants to enroll in our study?



How many patients completed our screener after clinic staff sent out a batch of text messages?



What percentage of our participants completed their first program session with their assigned peer me...



How many participants have completed our long-term (14-month) follow-up questionnaire?





Resources

- [Youngunitedparents.org](https://www.youngunitedparents.org)
- [Qualtrics.com](https://www.qualtrics.com)
- [RippleScience.com](https://www.ripplescience.com)



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<https://bit.ly/2024Evaluations>

