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SPARS Visualizations Demo

FedCASIC 2018

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- SPARS
- Team
- UX themes
- Programming Stack
- Demo

SAMHSA

Substance Abuse and Mental Health Services Administration

CSAT

Center for Substance Abuse Treatment promotes communitybased substance abuse treatment and recovery services for individuals and families

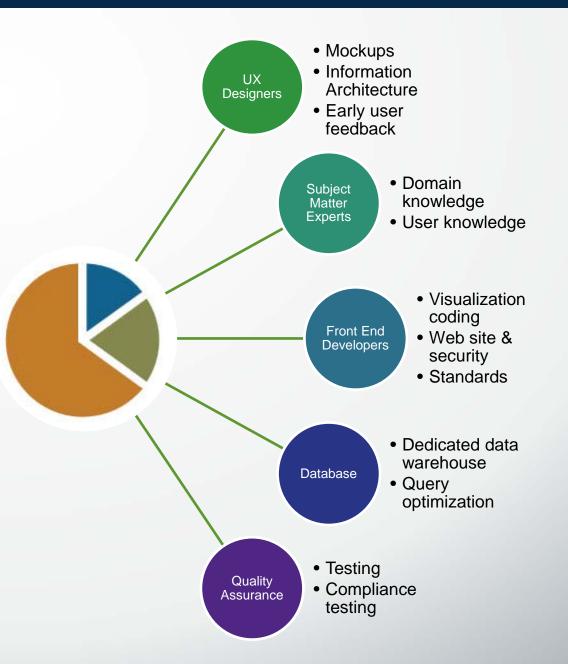
SPARS

- SPARS is a new online data entry, reporting, technical assistance and training system to support grantees in reporting timely and accurate data
- SPARS replaces systems used by these centers:
 - CSAT Center for Substance Abuse Treatment (SAIS)
 - CMHS Center for Mental Health Services (TRAC)
 - CSAP Center for Substance Abuse Prevention (PMRTS)



14/-1	to SPARS!		
	's Performance Accountability and R e Abuse and Mental Health Services Administration (SAMH		
	g, technical assistance request, and training system to sup		
			Learn More 🕥
Announcer	ments	Quick Links	i.
	ARS Features Released on April 24, 20171 24, 2017, SPARS added new features and resolved sources.	SPARS-CSAT	enter for Substance Abuse Treatment grants
	Quick Reference Guide this document for help with getting started using	SPARS-CMHS Enter data for C	enfer for Mental Health Services grants.
	View More 🕖	SPARS-CSAP	enter for Substance Abuse Prevention grants.
Need Help 3	3	Line day for e	ente la ductance recor retrentar grant.
Need Help :	77		
0	SPARS Help Desk For more information, contact the SPARS Help Desk to Id+real 1-855-322-2746 from 8:00 AM and 7:00 PM EST, Monday through Finday (except holdays); or email SPARS- Supportight.org		Resource Library Access resource materials and archived trainings to support your data collection, management, and utilization needs
6	Data Collection Tool Resources View key data collection tools and supporting PACs, 0 by 0s, guides, and codebooks for CISAT, CMHS, and CSAP grants	9	SPARS Technical Assistance Request System Where SAMHSA discretionary services grantees and governmet project officers (GPC05) can submit a SNRAS technical assistance request.
			Wew all Help and Online Learning Information

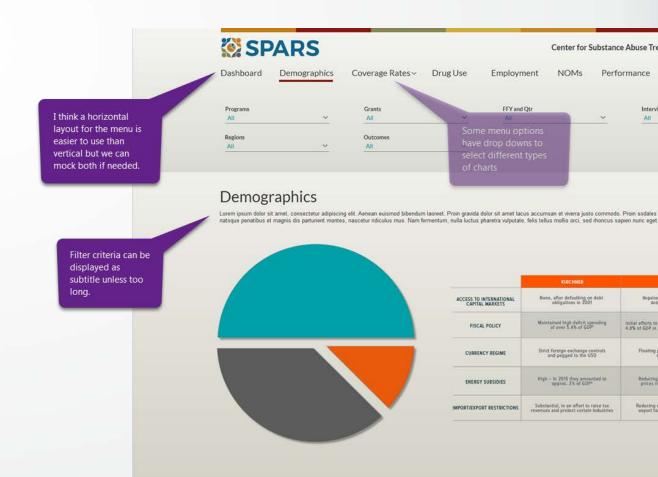
- Multidisciplinary team
- Agile like development
- Regular client demos during development
- Iterative QA testing



Immediacy

Information vs Data

Encourage Exploration



Early mockup

User Experience - Immediacy

The goal of the design is to reduce friction; to makes the charts more usable (quicker, easier, approachable).

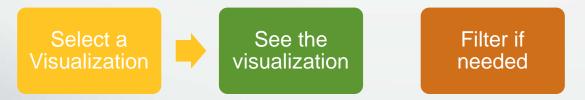
Friction is caused when the user has to pause, think, click, tab, type, consider, etc.



The reporting workflow tends to be **filter first**, view second:



The visualization workflow tends to be **view first, filter second**:



User Experience – Information vs Data

Look for opportunities to give meaning and context to data.

What does chart mean? Is this good or bad? Better or worse than before?

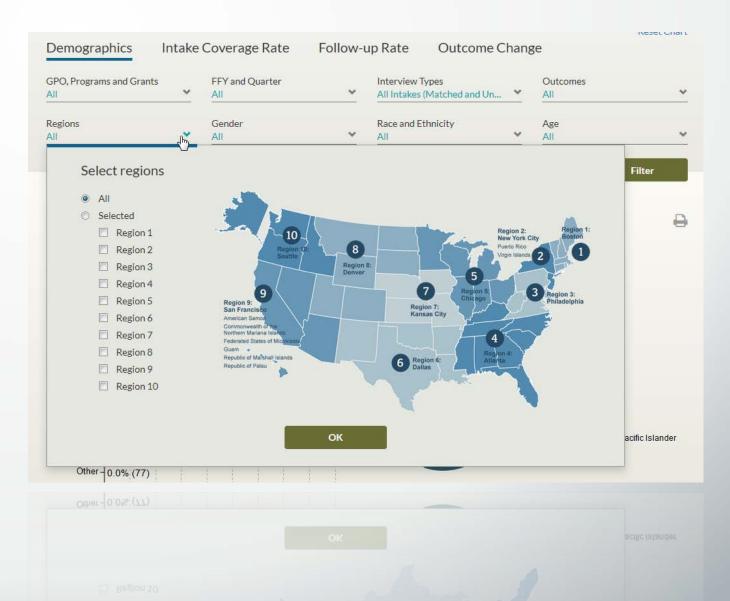
How does this lead the user to action?

Intake Coverage	Client Target	Intakes Received	Intake Coverage Rate	Status
				N/A
				Not Meeting
	-			Not Meeting
				Not Meeting
		100		Not Meeting
			28,8	Not Meeting
				Math Insting
				Not Meeting
				No. Martin
				Not Meeting
				MatMosting
				Not Meeting
Teas .				Approaching

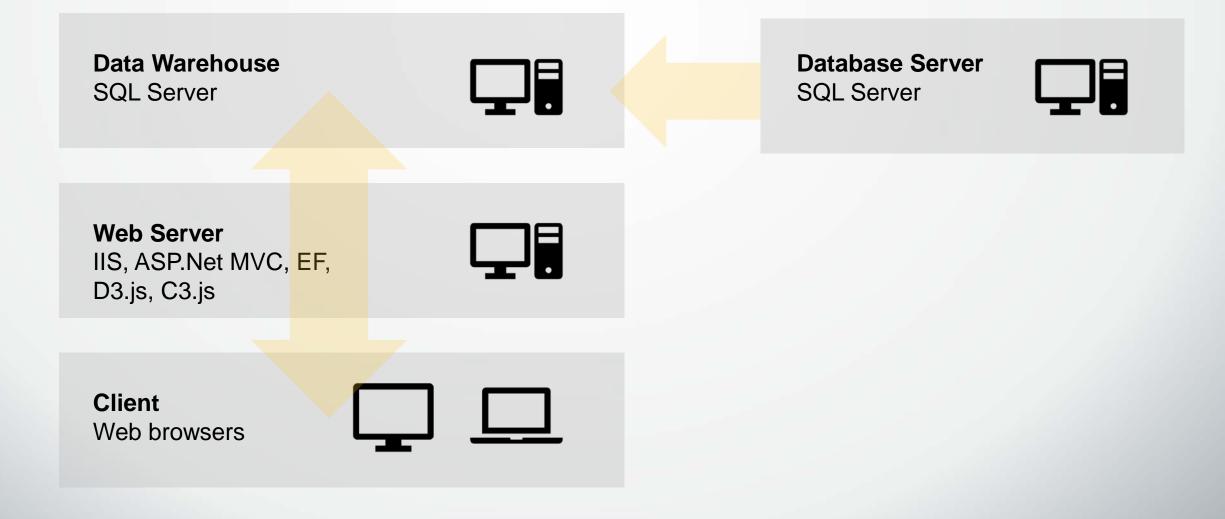
User Experience – Encourage Exploration

Encourage the user to interact

- Start with a chart
- Provide selection defaults
- Make refresh fast enough to encourage use
- Make easy to start over
- Provide selection examples



Visualization Programming Stack



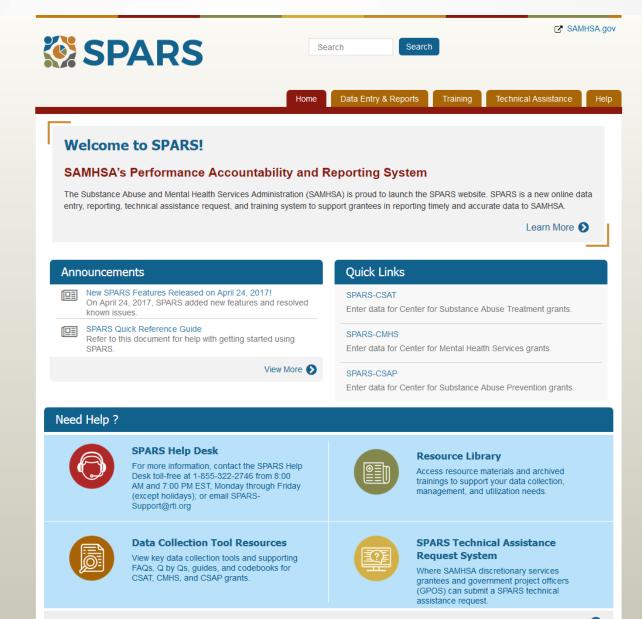
Programming Stack - Charts

C3 JS Charting Library

http://c3js.org/

D3 JS Charting Library

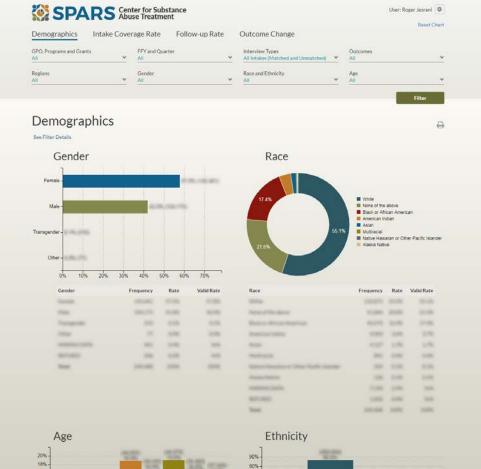
https://d3js.org/

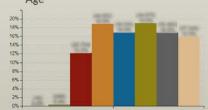


View all Help and Online Learning Information 📀

Demographics Visualization

- The Demographics visualization provides descriptions of the populations being served through SAMHSA programs.
- Demographic information is collected during the initial client intake interview.
- Common UI elements across all visualizations
 - SPARS branding
 - Minimal chrome
 - Charts are the stars







■ 10-12 ■ 13-17 ■ 18-24 ■ 25-34 ■ 35-44 ■ 45-54 ■ 55-64 ● 65+

📕 Non-Hispanic 🖩 Hispanic

Ago	Frequency	Rate	Valid Rate	Ethnicity	Frequency	Rate	Valid Rate
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		-					

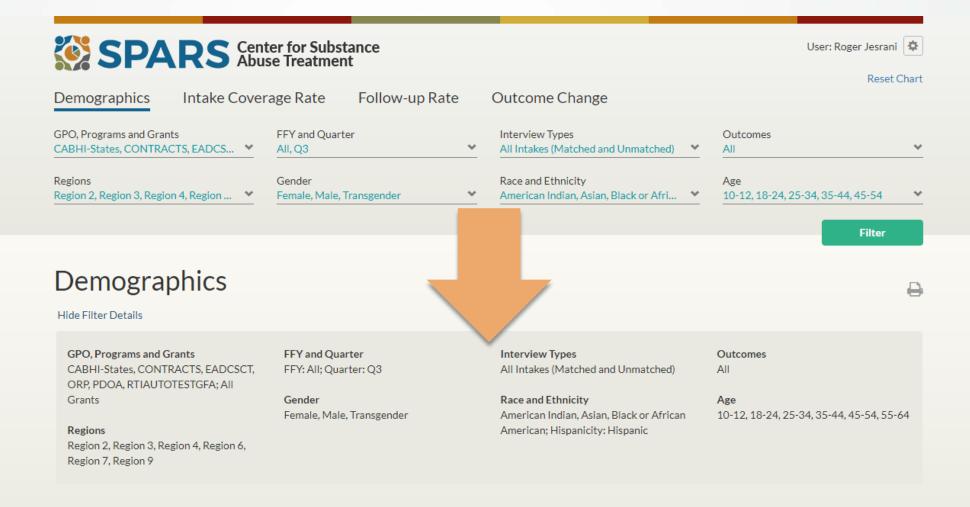
GPO, Program, Grant filter

Programs Grants GPO All Programs Selected Programs Showing all 3 Type to filter	All All Intakes (Matched and Unmatched)	
Programs Grants GPO Image: Constraint of grants All Filter Filter Filter Filter Filter Filter Filter Filter Filter Filter Filter Filter		
Programs Grants GPO All Programs 9 Selected Programs selected Programs nowing all 16 Type to filter Type to filter Type to filter	ect GPU programs and grants	
Filter Filter GPO All Programs Selected Programs Showing all 16 Type to filter →→		All
GPO All Programs Selected Programs nowing all 16 Type to filter →→	Programs Grants	Filter
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Black or African American	The American Institute Institute Institute	Black or African American
American Indian		American Indian
Multiracial		Asian
Native Hawaiian or Other Pacific Islander		Asian Multiracial
Algolia Mativo		Multiracial

Regions Filter



Viewing filter details



Race

6.1%

Gender

Intake Coverage

- Intake Coverage is a performance monitoring visualization
- Each grant has specific a service level in which they will provide service to a minimum number of clients.
- Users can quickly see which programs and grants are meeting client target expectations and which ones need improvement.



Intake Coverage	Client Target	Intakes Received	Intake Coverage Rate	Status
All December and Lowest	100.000	100.007	10.00	
-			100	N/A
arrests.			100	Not Meeting
-			10.00	Not Meeting
and the second s			12.00	Not Meeting
Collect Ballac		-	14.75	Not Meeting
		-	14.00	Not Meeting
			12.7%	Not Meeting
100 × 100			14.24	Not Meeting
		-		Not Meeting
No.			10.00	Not Meeting
				Not Meeting
				Not Meeting
-			10.75	Not Meeting
and the second s				Not Meeting
				Not Meeting
				Not Meeting
				Approaching

Follow-Up Rate

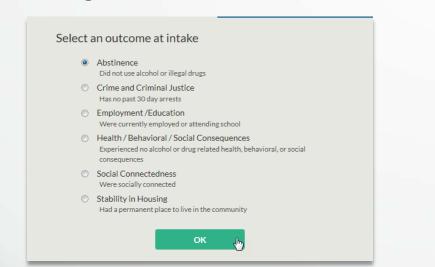
- Follow-up Rate is also performance monitoring visualization
- 6 month follow-up
- Grants are required to follow-up with the client at set intervals. The goal is to follow-up with at least 80% of the clients. This visualization shows if the programs and grants are meeting this goal.
- In this screen shot, a single program is filtered so the grants that make up the program are shown.



Follow-up Coverage	Follow-ups Received	Follow-ups Due	Follow-up Rate	Status
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Terrarea (N/A
Terrated and the second s				Not Meeting
Team of the local data of the				Not Meeting
Terrare and the second s				Not Meeting
				Not Meeting
				Not Meeting
Teacher and the second se				Not Meeting
Terrar III				Not Meeting
Terrare and the second s				Not Meeting
Terror and Annual State Stat				Not Meeting
Terrar III		-		Not Meeting
Terrare and the second s				Not Meeting
Terrare and the second s		-		Not Meeting
		-		Not Meeting
				Not Meeting
Terrar and Annual State Stat		-	1.04	Not Meeting
				Not Meeting

Outcome Change

- Outcome Change shows which programs and grants are making a positive change for their clients
- Changes across 6 different measures



 Compares intake interview % to selected interview period and outcome

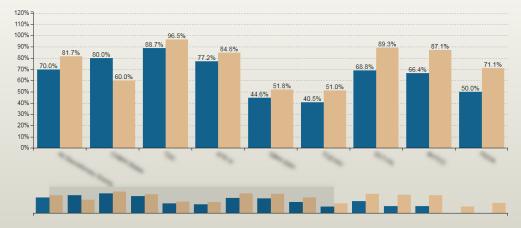


Outcome Change Abstinence



See Filter Details

This chart has more items than can be displayed at once. Slide or resize the gray area of the sub-chart to select a range to display.



Intake	6-Month Follow Up	

Туре	Valid Cases	Intake	6-Month Follow Up	Rate of Change
R Danationey David		10.00	8.7%	10.75
Collect Bases		-	-	
		10.75	10.00	
	1.00	11.04	10.00	
2014 - 1224		-		
		-	1.00	
	-	-		
50A	-			
				-

Print output



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