

DATA QUERIES ON THE GO!

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“Above all else, show the data” – Edward R. Tuft

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Online Reporting System (ORS)

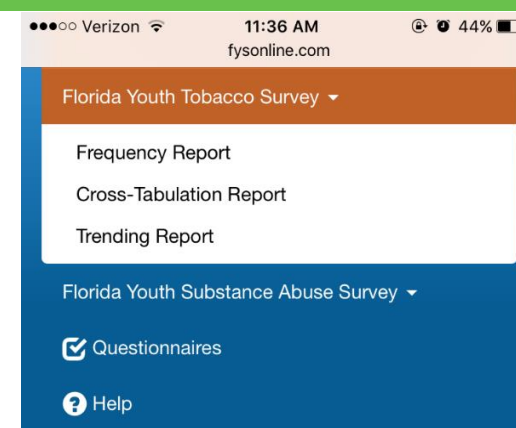
Creating multimode applications that can display data in an online and mobile format optimizes its user's experiences. ICF designed an Online Reporting System (ORS) that runs queries of data collected from a statewide tobacco and substance abuse survey.

Users can run:

- Frequency Reports,
- Cross-Tabulation Reports, and
- Trending Reports

Data are displayed via table, bar graph or pie chart and can be exported to Excel, PDF, JPEG, PNG or SVG file format.

The ORS displays on desktop, laptop, tablets and cellphones for data that can be queried and used on an ad hoc basis in engaging and useful ways.



Florida Youth Survey Online Reporting System



Cross-Tabulation Report

The **Cross-Tabulation Report**: The cross-tabulation report allows the user to look at the relationship between two questions. The user will choose two questions from a single year's questionnaire. The row question (Q1) will appear in the left most column of the table. The column question (Q2) will appear in the top row of the table.

		Are the cigarettes you usually smoke menthol cigarettes?				
		None	Yes	No	Total	
About how many cigarettes have you smoked in your entire life?	None	76.63 %	0.12 %	2.93 %	79.68 %	
	1 to 2 puffs, but not a whole cigarette	6.31 %	0.30 %	0.96 %	7.56 %	
	One cigarette	1.49 %	0.33 %	0.67 %	2.49 %	
	2 to 20 cigarettes	1.46 %	2.03 %	1.86 %	5.36 %	
	21 to 99 cigarettes	0.29 %	0.90 %	0.75 %	1.94 %	
100 or more cigarettes	2.81 %	1.84 %	0.95 %	5.60 %	2.97 %	
Total		88.39 %	5.25 %	8.12 %		

- About how many cigarettes have you smoked in your entire life?
- Are the cigarettes you usually smoke menthol cigarettes?
- Are you an active member of S.W.A.T. (Students Working Against Tobacco)?
- Are you Hispanic or Latino?
- Are you seriously thinking about quitting smoking? Would you say . . .
- Compared to cigarette smoking, using electronic vapor products are...
- Compared to cigarette smoking, waterpipe/hookah smoking is...

Technical Details of the ORS:

- Database: SQL Server
- Importing and Configuration: SQL Server Information Services (SSIS) and Excel
- Server-side Code: C# (.NET)
- Other Technologies Utilized: MVC Framework, AngularJS, Bootstrap

Compatible with all major internet browsers:

- Firefox
- Google Chrome
- Internet Explorer
- Safari



The ORS has been constructed using a responsive website design so that all content, images and structure remains the same on any desktop, laptop, tablet or smart phone.

Trending Report

The **Trending Report**: The trending report analysis is similar to the frequency report analysis but allow the user to produce percentages for a particular variable across multiple years to demonstrate the change in the proportion of the population over time.

- Data can be displayed in a table or line graph format
- If the question does not appear on a specific year's questionnaire, that year does not appear on the line graph
- The user can select and unselect response options to be displayed along the x-axis

Frequency Report

The **Frequency Report**: The frequency report analysis allows the user to produce percentages for a particular variable from a single year's questionnaire. The percentage is the estimated proportion of the population who responded to an answer option of a question.

Answer	Percentage
None	79.57 %
1 to 2 puffs, but not a whole cigarette	7.56 %
One cigarette	2.52 %
2 to 20 cigarettes	5.42 %
21 to 99 cigarettes	1.95 %
100 or more cigarettes	2.98 %

About how many cigarettes have you smoked in your entire life?	Are the cigarettes you usually smoke menthol cigarettes?				Total
	I do not smoke cigarettes	Yes	No		
None	76.63 %	0.12 %	2.93 %	79.68 %	
1 to 2 puffs, but not a whole cigarette	6.31 %	0.30 %	0.96 %	7.56 %	
One cigarette	1.49 %	0.33 %	0.67 %	2.49 %	
2 to 20 cigarettes	1.46 %	2.03 %	1.86 %	5.36 %	
21 to 99 cigarettes	0.29 %	0.90 %	0.75 %	1.94 %	
100 or more cigarettes	0.41 %	1.60 %	0.95 %	2.97 %	

Year	Very Wrong	Wrong	A Little Bit Wrong	Not Wrong At All
2002	10.64%			
2004	10.18%			
2006	10.23%			
2008	10.87%			
2010	12.66%			
2012	13.59%			
2014	16.67%			
2016	17.83%			

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