SAVI Community Reporter
Packing Data & Tools for Target Audiences

Sharon Kandris

The Polis Center at

Indiana University-Purdue University Indianapolis
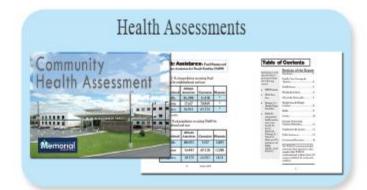
COMMUNITY REPORTER

Dashboards

Report Cards

Health Assessments

Neighborhood Monitoring Reports

Community Assessments

Other Reports

TECHNOLOGY INFRASTRUCTURE
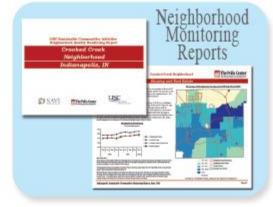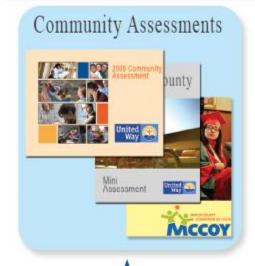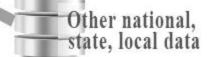
- Integrates, summarizes and visualizes data
- Creates report templates tailored to your needs
- Allows creation of new, customized reports

SAVI

CUSTOM DATA

Other national, state, local data

The Polis Center

March 2013

Templates Existing or Planned

- Community assessment tool
- Education report card
- Statewide United Way community dashboard
- IndyVitals: Neighborhood-level Dashboards
- Community profiles – revamping in 2017
- Population profiles – adding in 2018
- Topic profiles – adding in 2018

Impact Our Community.

Welcome to our Beta Site!

The new SAVI community assessment & planning tool is designed to help you learn more about your community's overall conditions and resources. Assessing your community's needs and assets is an important first step in planning community improvement. We hope you will spend some time perusing the beta site and provide us feedback on how we can make this tool more useful to you.

Thank you!

ASSESS COMMUNITY NEEDS   BACK   NEXT

How to Assess Community Needs

The dashboard provides a picture of the strengths and weaknesses of your community. Use it to decide which community trends need attention. The dashboard and its drilldown visualizations (accessible via the orange buttons on the left) demonstrate how differently an issue affects different populations or geographical areas. To add a specific visualization to your report, click ADD TO REPORT in the upper right corner of that visualization page.

AREA 51

■ Better   ■ Worse   □ Neutral   ■ No Data

	Total Population	By Demographics									By Socioeconomic Status				
		Age				Race/Ethnicity			Gender		Poverty		Education Attainment		
		0-5	0-18	18-64	65+	Hispanic	Black	White	Male	Female	Below	Above	w/o HS	HS Grad Only	Bach+
Income															
Median Household Income (in 000s)	$36	-	-	-	-	$29	$25	$46	-	-	-	-	-	-	-
Median Family Income (in 000s)	$44	-	-	-	-	-	-	-	$29	$24	-	-	-	-	-
Poverty															
Poverty Rate	27%	44%	42%	25%	12%	44%	34%	17%	-	-	-	-	38%	23%	7%
Children Under 6 Years Old in Poverty	44%	-	-	-	-	59%	53%	27%	48%	60%	-	-	-	-	-
Free and Reduced Price Meals	71%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Income Below 125% of Poverty Level	34%	52%	50%	31%	19%	-	-	-	42%	52%	-	-	-	-	-
Income Below 185% of Poverty Level	49%	68%	67%	44%	35%	-	-	-	56%	68%	-	-	-	-	-
Families with Children Under 18 in Poverty	36%	42%	36%	-	-	51%	43%	24%	42%	51%	-	-	-	-	-
Financial Stability															
% Households Spending 30% or More on Housing	40%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BASIC NEEDS															
Crime															
Juvenile Crime (per 1,000 pop 5-17)	70.9	-	-	-	-	31.7	107.0	29.5	125.7	51.9	-	-	-	-	-

Education Alliance Report Card

Central Indiana Education Alliance
Fostering Success from Cradle to Career

Grades 3-8 Details

Get Updates by Email

Email | **Sign Up** | ?

Home | Annual Report ▾ | Overview Dashboard | Socio-Economic Context

Early Childhood | Grades 3-8 | Grades 9-12 | College | Career & Workforce | Out-of-School Time
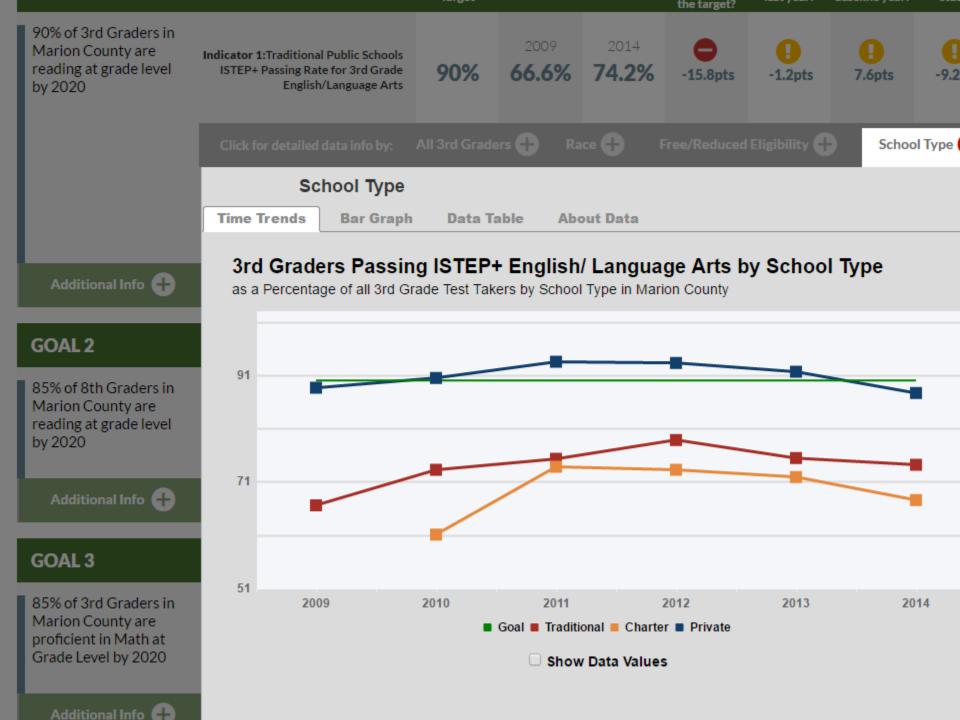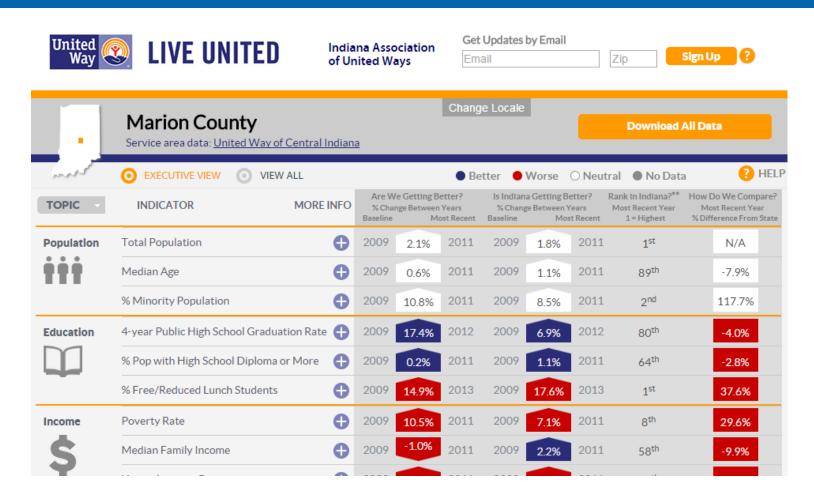
Grades 3-8

Powered by SAVI

Intended Outcome: Students in Grades 3-8 will possess the knowledge and skills in mathematics and literacy/language arts that support overall academic success.

GOAL 1		2020 Target	Baseline Year	Latest Year	How are we doing towards the target?	Progress since last year?	Progress since baseline year?	Compared to state?
90% of 3rd Graders in Marion County are reading at grade level by 2020	**Indicator 1:** Traditional Public Schools ISTEP+ Passing Rate for 3rd Grade English/Language Arts	90%	2009 66.6%	2014 74.2%	⊖ -15.8pts	❗ -1.2pts	❗ 7.6pts	❗ -9.2pts
	Click for detailed data info by:	All 3rd Graders ⊕	Race ⊕		Free/Reduced Eligibility ⊕		School Type ⊕	
	Indicator 2: Traditional Public Schools IREAD Passing Rate for 3rd Grade	90%	2012 75.7%	2014 81.5%	⊖ -8.5pts	⊖ -2.8pts	❗ 5.9pts	❗ -8.5pts
Additional Info ⊕	Click for detailed data info by:	All 3rd Graders ⊕	Race ⊕		Free/Reduced Eligibility ⊕		School Type ⊕	

90% of 3rd Graders in Marion County are reading at grade level by 2020

	Indicator 1: Traditional Public Schools ISTEP+ Passing Rate for 3rd Grade English/Language Arts	90%	2009 66.6%	2014 74.2%	⊖ -15.8pts	⚠ -1.2pts	⚠ 7.6pts	⚠ -9.2

Additional Info ⊕

GOAL 2

85% of 8th Graders in Marion County are reading at grade level by 2020

Additional Info ⊕

GOAL 3

85% of 3rd Graders in Marion County are proficient in Math at Grade Level by 2020

Additional Info ⊕

Click for detailed data info by: All 3rd Graders ⊕   Race ⊕   Free/Reduced Eligibility ⊕   **School Type** ⊖

School Type

Time Trends   Bar Graph   Data Table   About Data

3rd Graders Passing ISTEP+ English/ Language Arts by School Type
as a Percentage of all 3rd Grade Test Takers by School Type in Marion County

■ Goal ■ Traditional ■ Charter ■ Private

☐ **Show Data Values**

IndianaImpact.org

www.indianaimpact.org
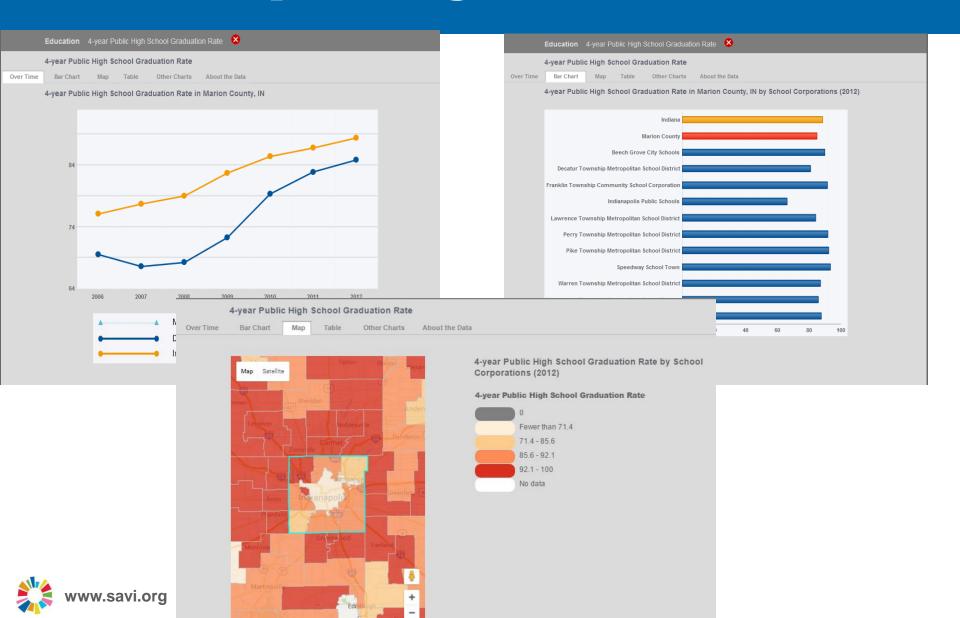
IndianaImpact.org

www.savi.org

BUILDING ON LESSONS LEARNED

A New Approach

- Put more control in the hands of the analyst, not the web programmer
- Build the right team (combo of in-house and external): *info designer*, *graphical designer*, data analysts, GIS analyst, web programmers, DBA, system engineer
- SCRUM (Agile development) - beginners
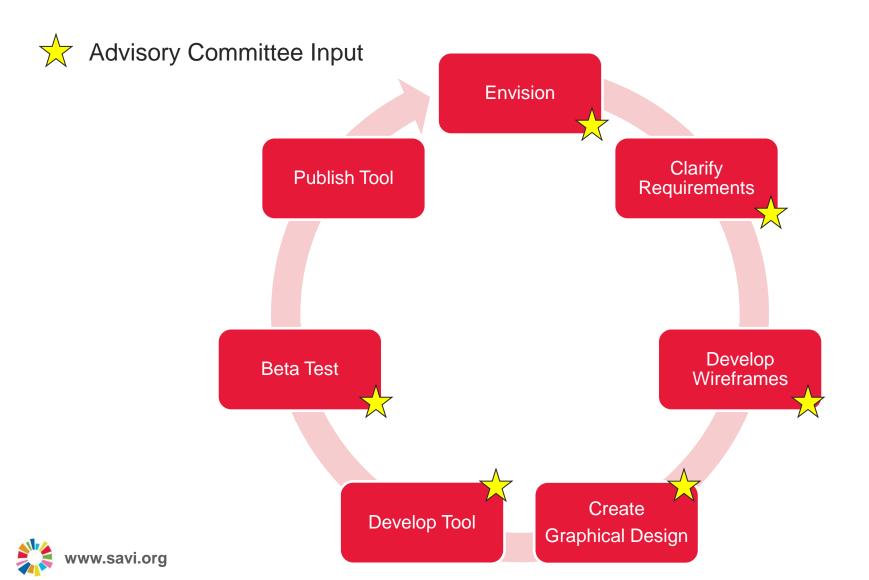- Iterative with continual user input

Advisory Committees are Key

- New committee for each tool/use case

- Members: Users, partners, and stakeholders

- Feedback on every stage in the process

- Input on priorities

- Builds champions from the beginning

- Ensures it meets the needs of intended users

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Development and Feedback Cycle

⭐ Advisory Committee Input

Envision

Clarify Requirements

Develop Wireframes

Create Graphical Design

Develop Tool

Beta Test

Publish Tool

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BUILDING INDY VITALS:
THE PROCESS

High-level Requirements

- Ability to select from ~100 neighborhoods in Marion County

- Access data about the neighborhood

- 3 levels of depth:

  Interested Citizen: simple dashboard

  Organization: in-depth view

  Policymaker: highly complex view

Functional Requirements

Functional Requirements

3 The Scope of the Work

Indy Vitals is envisioned to have three levels of depth:

1. Interested Citizen: A simple dashboard that provides graphic indicators of how a community is doing for each of the indicators, and perhaps composite indicators.
2. Organization: A more in-depth view of the indicator, including both temporal and geographic comparison graphics and tables, with some indicators broken down to the next level (such as by race). This level will provide the level of data required in many grant applications, for example.
3. Policymaker: A highly complex view intended to help policy makers, funders, and program evaluators understand the complex variables driving each indicator. This will be SAVI Advanced, with each indicator linked to a pre-determined set of data in SAVI Advanced.

3

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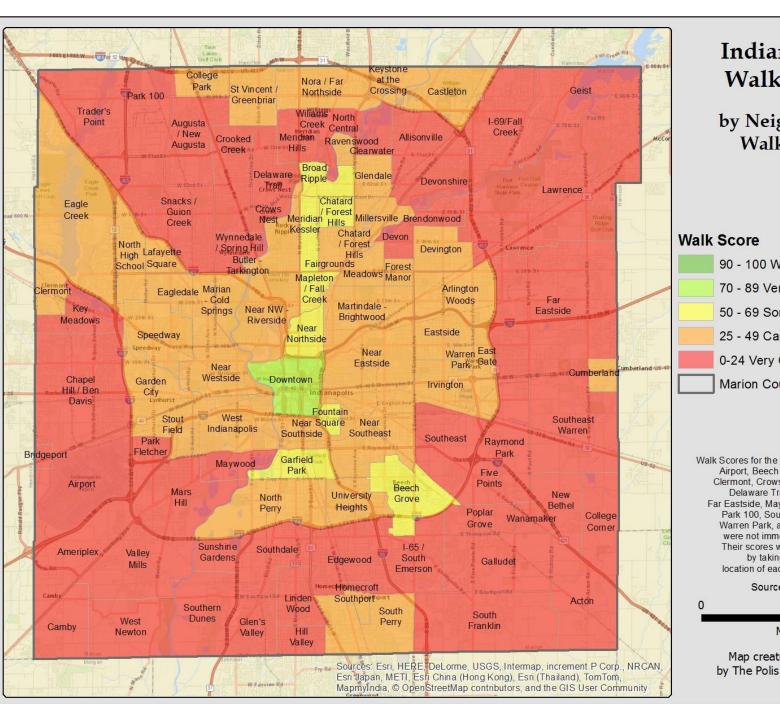## 4 Functional and Data Requirements

4a. Functional requirements

1. Summary of Web Pages (See Appendix for wireframes, which are intended to communicate the concept of the website's functionality. The graphical design will be created by a graphic designer based on the wireframes):
   a. Home page with general overview and map
      i. User will have the ability to select a neighborhood from a map or list and then view an interactive report for that neighborhood.
   b. Interactive neighborhood report with 3 levels of detail:
      i. Simple overview dashboard: The neighborhood-specific report will include a dashboard with data presented in a concise, meaningful way that with a quick look tells the reader how a neighborhood he/she selects is doing relative to the county, to itself, to other communities and —and look at which neighborhoods are "healthy." This will be similar in nature to the dashboard view on indianaimpact.org (the metrics, comparisons, visual cues, and graphical design will differ)
         1. There will be a short demographic overview/exec summary profile at the top of the dashboard page that links to the SAVI community profile for more detail. This section needs to be graphically separated and neutral (i.e., no "good" or "bad" indications in this section)
            a. Population, median age, median household income, and poverty rate
            b. also include link to related neighborhood association website(s)
         2. The advisory committee likes the red/green coloring and prefers not to

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Data Requirements

	Indicator	Methodology	Source
OVERALL	Population Count	Count	ACS
	Population Density	Count/Acres	ACS
	Income Density	count x Per Capita income /	ACS
	Land Value Density	Taxable Gross AV/Acres	Assessor
BUILT ENVIRONMENT	**Indicator**	**Methodology**	**Source**
Quality, choice, and access	Housing Density	Units/Acre	ACS
	Employment Density	Jobs/Acre	?
	Vacant Residential Property	% of parcels coded Residential Unimproved	Assessor
	Walkability	Intersections/Square Mile	GIS Calculation
	Housing + Transportation Cost Burden	Center for Neighborhood Technology	ACS
	Affordable Housing	% of Units where those in Indy making 80% Area Median Income (HUD) would spend less than 30% income to afford	ACS, HUD
	Median Home Value	Value	ACS
	Long-Term Residential Vacancy	Count of Addresses Vacant More than 24 Months	USPS

Indianapolis Walkability

by Neigborhood Walk Score

Walk Score

- 90 - 100 Walker's Paradise
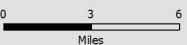- 70 - 89 Very Walkable
- 50 - 69 Somewhat Walkable
- 25 - 49 Car Dependent
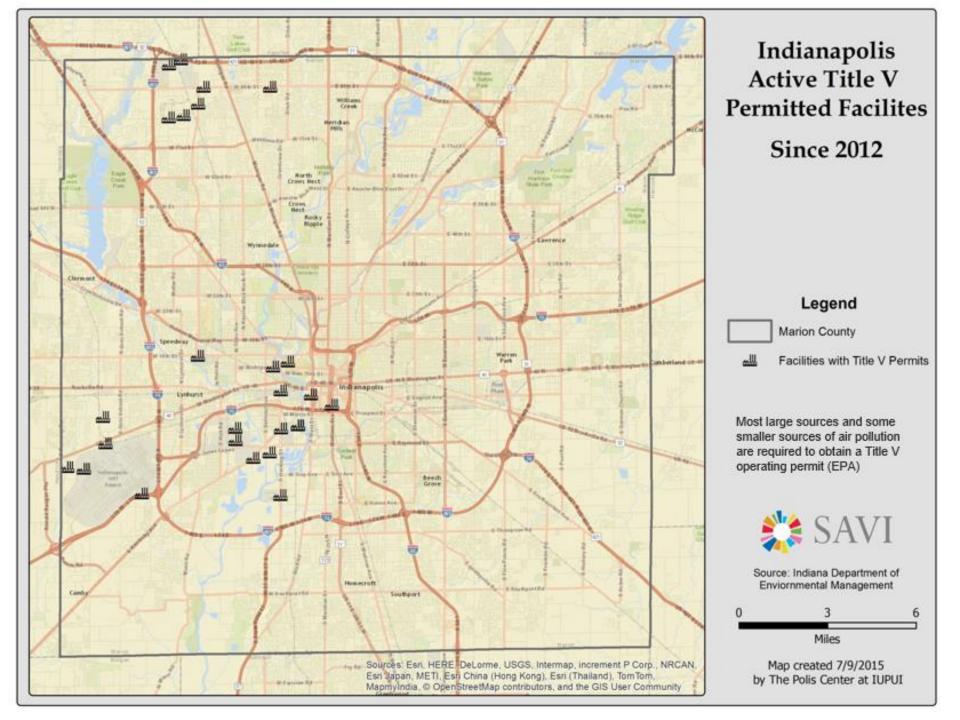- 0-24 Very Car Dependent
- Marion County

Walk Scores for the neighborhoods of Acton, Airport, Beech Grove, Bridgeport, Clermont, Crows Nest, Cumberland, Delaware Trail, Eagle Creek, Far Eastside, Maywood, Meridian Hills, Park 100, Southport, Speedway, Warren Park, and Williams Creek were not immediately available. Their scores were approximated by taking the central location of each neighborhood.

Source: Walk Score

0   3   6

Miles

Map created 7/10/2015
by The Polis Center at IUPUI

Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Indianapolis Active Title V Permitted Facilites

Since 2012

Legend

☐ Marion County

🏭 Facilities with Title V Permits

Most large sources and some smaller sources of air pollution are required to obtain a Title V operating permit (EPA)

SAVI

Source: Indiana Department of Enviornmental Management

0   3   6
Miles

Map created 7/9/2015 by The Polis Center at IUPUI

Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

BLACK AND WHITE

WIREFRAMES

Select a Neighborhood
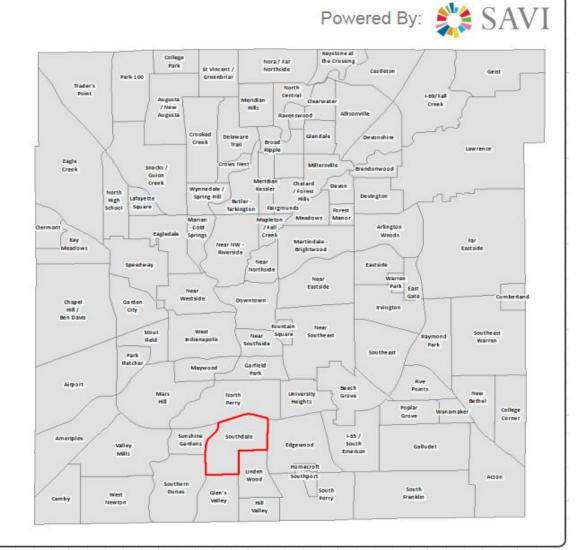
Interested Citizen Simple Dashboard

Indy Vitals: State of Southside Neighborhood

Powered By: SAVI

Total Population: 1,053

Land Area in Square Miles: 1.03

% Population 25+ Without High School Diploma: 9.96%

% Families in Poverty: 6.25%

% Population Age 65 and Over: 13.2%

⊕ Overall

⊕ Built Environment

⊖ Economy and Jobs
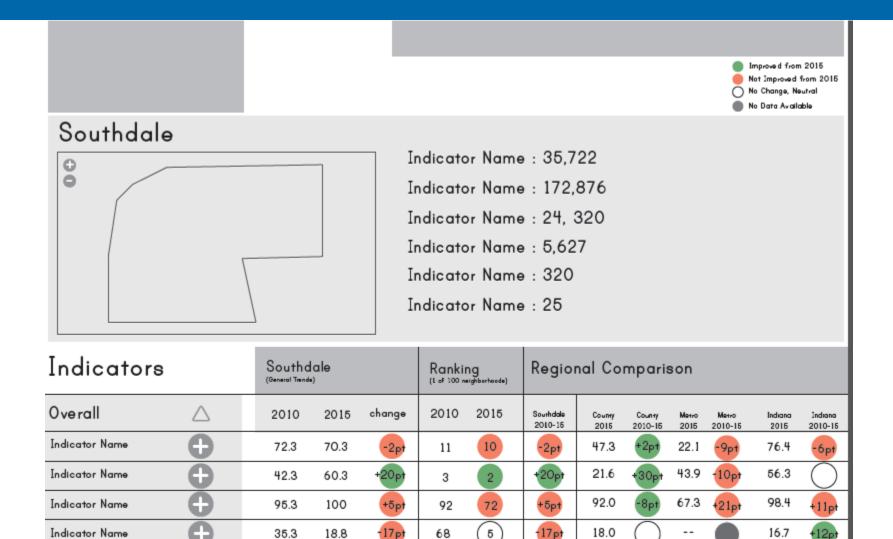
	Southdale Neighborhood		Marion County
⊕ Number of Business Establishments	76	⬆	500,000
⊕ Business Sales	$1,000,000	⬇	$25,500,000
⊕ Jobs	150	⬆	100,000
⊕ Number of Small Businesses	35	⬆	100,000
⊕ Unemployment Rate	15%	⬇	11.2%
⊕ Labor Force Participation Rate	65%	⬆	70%

⊕ Education, Arts, and Community
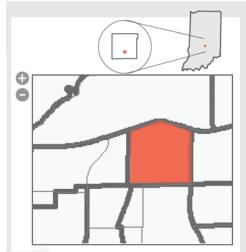
Iteration 2 with committee input

Southdale

Improved from 2015
Not Improved from 2015
No Change, Neutral
No Data Available

Indicator Name : 35,722

Indicator Name : 172,876

Indicator Name : 24, 320

Indicator Name : 5,627

Indicator Name : 320

Indicator Name : 25
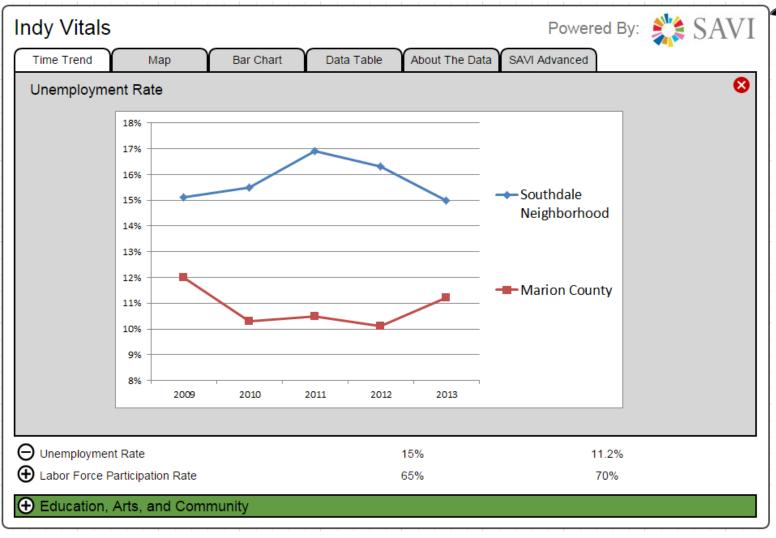
Indicators		Southdale (General Trends)			Ranking (1 of 100 neighborhoods)		Regional Comparison						
Overall	△	2010	2015	change	2010	2015	Southdale 2010-15	County 2015	County 2010-15	Metro 2015	Metro 2010-15	Indiana 2015	Indiana 2010-15
Indicator Name	⊕	72.3	70.3	-2pt	11	10	-2pt	47.3	+2pt	22.1	-9pt	76.4	-6pt
Indicator Name	⊕	42.3	60.3	+20pt	3	2	+20pt	21.6	+30pt	43.9	-10pt	56.3	○
Indicator Name	⊕	95.3	100	+5pt	92	72	+5pt	92.0	-8pt	67.3	+21pt	98.4	+11pt
Indicator Name	⊕	35.3	18.8	-17pt	68	5	-17pt	18.0	○	--	●	16.7	+12pt
Topic Name	▽												

Iteration 3 with committee input

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Organization: In Depth View

Policy Maker:
SAVI Advanced

COLORFUL

GRAPHICAL DESIGN

INDY VITALS

20 INDY 20 Powered by ⬡ SAVI

Marion County neighborhood
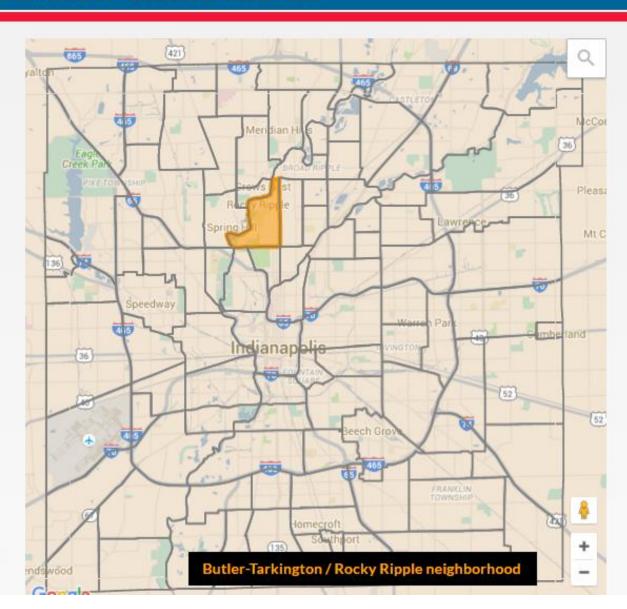
Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

1. Select a neighborhood to get started.

2. Either select a neighborhood from the dropdown menu or click on the neighborhood via the map.

3. After your selection is made, click NEXT.

IndyNeighborhood ▾

NEXT

Butler-Tarkington / Rocky Ripple neighborhood

INDY VITALS

20 INDY 20   Powered by ✳ SAVI
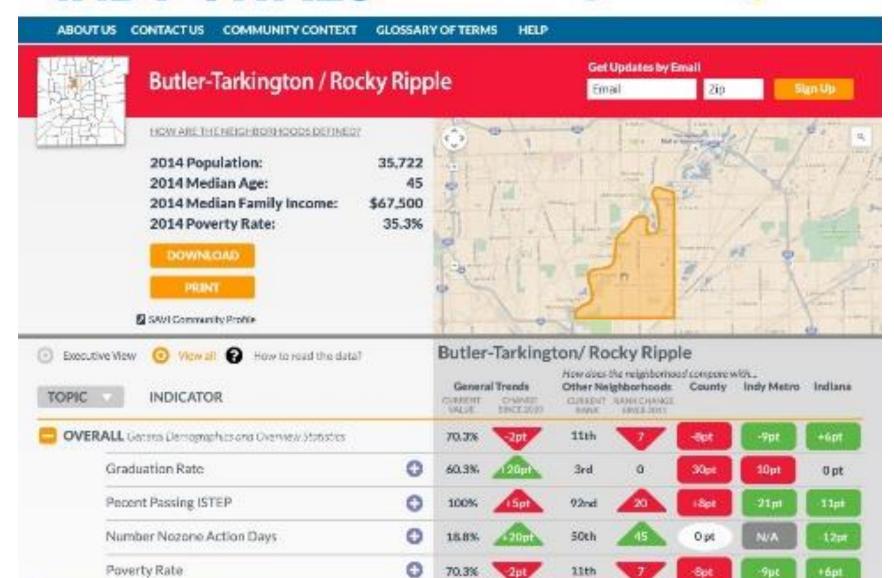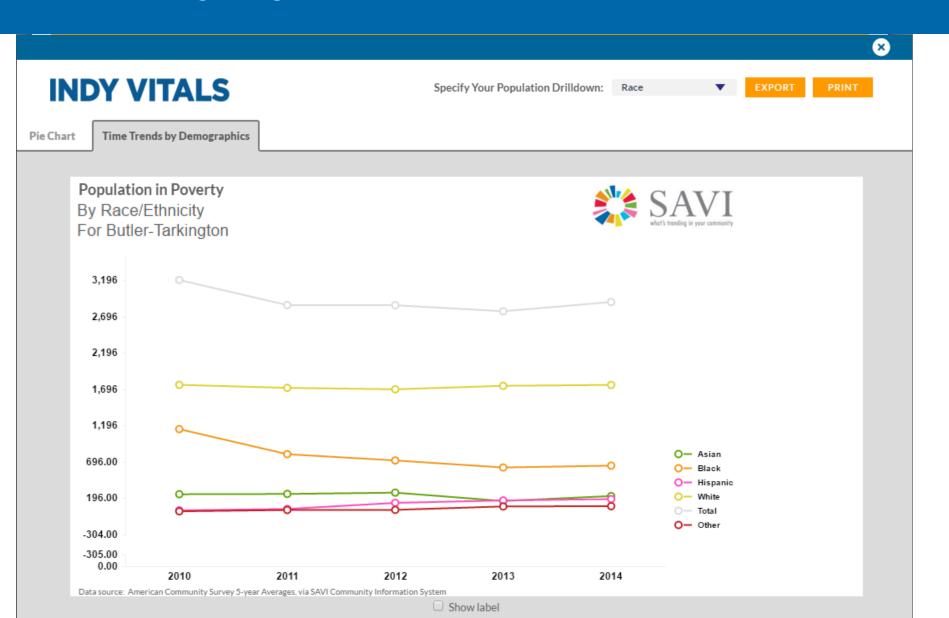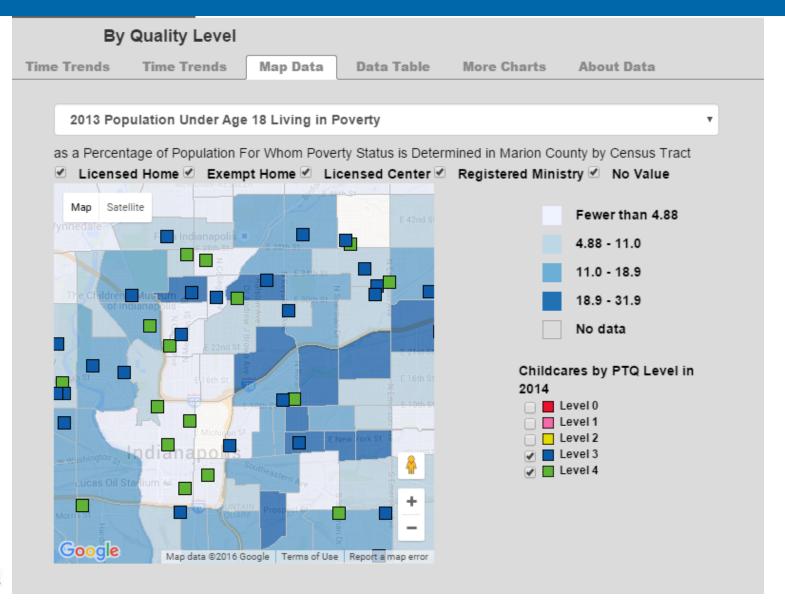
ABOUT US   CONTACT US   COMMUNITY CONTEXT   GLOSSARY OF TERMS   HELP

Butler-Tarkington / Rocky Ripple

HOW ARE THE NEIGHBORHOODS DEFINED?

2014 Population:	35,722
2014 Median Age:	45
2014 Median Family Income:	$67,500
2014 Poverty Rate:	35.3%

DOWNLOAD

PRINT

☑ SAVI Community Profile

Executive View   ⊙ View all   ❓ How to read the data?

Butler-Tarkington/ Rocky Ripple

How does the neighborhood compare with...

		General Trends		Other Neighborhoods		County	Indy Metro	Indiana
TOPIC ▼	**INDICATOR**	CURRENT VALUE	CHANGE SINCE 2010	CURRENT RANK	RANK CHANGE SINCE 2013			
OVERALL General Demographics and Overview Statistics		70.3%	▼ -2pt	11th	▼ 7	-8pt	-9pt	+6pt
	Graduation Rate ⊕	60.3%	▲ +20pt	3rd	0	30pt	10pt	0 pt
	Percent Passing ISTEP ⊕	100%	▲ +5pt	92nd	▲ 20	+8pt	-21pt	-11pt
	Number Nozone Action Days ⊕	18.8%	▲ +20pt	50th	▲ 45	0 pt	N/A	12pt
	Poverty Rate ⊕	70.3%	▼ -2pt	11th	▼ 7	-8pt	-9pt	+6pt
BUILT ENVIRONMENT Quality Choice, Access		60.3%	▲ +20pt	3rd	0	-30pt	-10pt	0 pt
	Housing Density ⊕	100%	▲ +5pt	92nd	▲ 20	+8pt	-21pt	-11pt

INDY VITALS

20 INDY 20 Powered by ✹ SAVI

Butler-Tarkington / Rocky Ripple

HOW ARE THE NEIGHBORHOODS DEFINED?

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🔗 SAVI Community Profile

Map Satellite — *Google Map, Map data ©2016 Google, Terms of Use, Report a map error*

◉ **Executive View**   ◉ View all   ❓ How to read the data?   ⬇ 🖨

Butler-Tarkington/ Rocky Ripple

How does the neighborhood compare with...

TOPIC ▾ INDICATOR	Current Value	Change Since 2010	Current Rank	Rank Change Since 2015	County	Indy Metro	Indiana
OVERALL General Demographics and Overview Statistics	70.3%	▼ -2pt	11th	▼ 7	-8pt	-9pt	+6pt
Graduation Rate ⊕	60.3%	▲ +20pt	3rd	0	-30pt	-10pt	0 pt
Percent Passing ISTEP ⊕	100%	▲ +5pt	92nd	▲ 20	+8pt	-21pt	-11pt
Number Nozone Action Days ⊕	18.8%	▲ +20pt	50th	▲ 45	0 pt	N/A	12pt
Poverty Rate ⊕	70.3%	▼ -2pt	11th	▼ 7	-8pt	-9pt	+6pt
BUILT ENVIRONMENT Quality Choice, Access	60.3%	▲ +20pt	3rd	0	-30pt	-10pt	0 pt
Housing Density ⊕	100%	▲ +5pt	92nd	▲ 20	+8pt	-21pt	-11pt

"Poverty by Race"

"Access to Quality Childcare"

2011 (c) OpenStreetMap contributors, CC-BY-SA

Legend:
- 10.7 to 24.8
- 25.1 to 34.5
- 34.9 to 45.1
- 45.8 to 56.7
- 57.3 to 71.1

PERCENT VOTER PARTICIPATION (2014) vs MEDIAN HOUSEHOLD INCOME (2014)

2010   2011   2012   2014

Population % with Bachelor's Degree Compared to Voter Participation (Color)

Population % with Bachelor's Degree or More
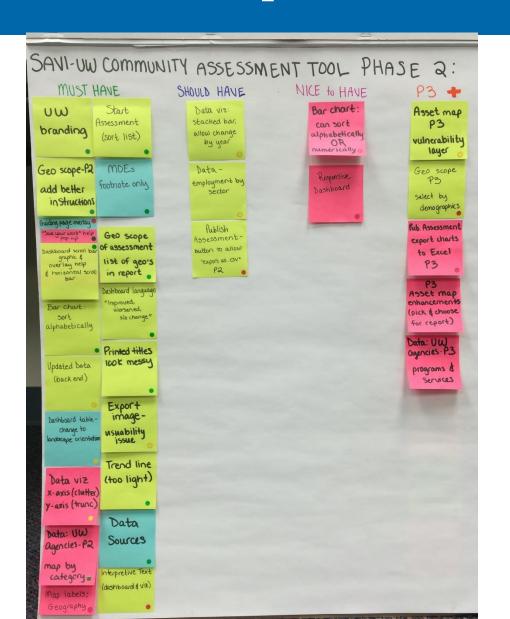
Neighborhoods Sorted by Bachelor's Degree Attainment (Population %)

20 Records Selected

Year (2014)	NEIGHBORHOOD (2014)	MEDIAN AGE (2014)	MEDIAN HOUSEHOLD INCOME (2014)	PERCENT REGISTERED VOTERS (2014)	PERCENT VOTER PARTICIPATION (2014)
2014	Acton	38	65,806	59.2	29
2014	Airport	60	104,490	69.6	10.7
2014	Allisonville	41	62,057	101.6	32.2
2014	Ameriplex	60	104,490	48.2	18.7
2014	Arlington Woods	30	27,336	118.5	17.1
2014	Augusta / New Augusta	46	67,698		
2014	Beech Grove	50	54,847	59	23.4
2014	Brendonwood	73	88,879	47.3	32.2
2014	Broad Ripple	62	143,184	102	29.5
2014	Butler-Tarkington / Rocky	27	75,293		
2014	Camby	60	121,326	29.9	21.8
2014	Canterbury-Chatard	33	51,556	136.2	25.3
2014	Castleton	34	50,176	63.9	20.8
2014	Chapel Hill / Ben Davis	37	52,167	78.4	24.6
2014	Christian Park	39	31,542	85.1	15.2
2014	Clearwater	49	62,404	66.6	30.1
2014	Clermont	74	105,002	13.7	29.9
2014	College Park	72	101,326		
2014	Crooked Creek	29	37,188	77.2	37.3
2014	Crown Hill	48	30,622	50.4	16.5
2014	Crows Nest	87	123,056	29.5	17.8
2014	Cumberland	68	92,822	47.1	19.5
2014	Delaware Trails	58	75,491	94.8	27
2014	Devington	52	58,234	73.4	22.5

Committees Also Helps Prioritize

On-going Challenges - Data

- Updating the data – SAVI + other sources that we haven't processed before

  - Reviewing our data development process for "ad-hoc" data and making them more streamlined

- Requires "thinner" slices of the data

- Should we narrow down the data we process and focus only on those that populate these templates?

- Value add: Data availability is increasing exponentially, but we make it meaningful and put it in context

On-going Challenges - Development

- New technology options

- Rapidly changing environment

- Having to adapt – and become more responsive

- Learning new "agile development" approach

Sharon Kandris

Director, Community Informatics

SAVI Director

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