



Making Youth Data Matter

Youth-Led Participatory Action Research and Data and Mapping use for Community Change

*Heath Educators Council
Youth Development Training
July 21, 2015*

UCDAVIS

UCDAVIS
CENTER FOR REGIONAL CHANGE

UCDAVIS

CENTER FOR REGIONAL CHANGE

“Research that Matters for Regions”

Dedicated to producing innovative and collaborative research to inform the building of healthy, prosperous, sustainable and equitable regions in California and beyond.

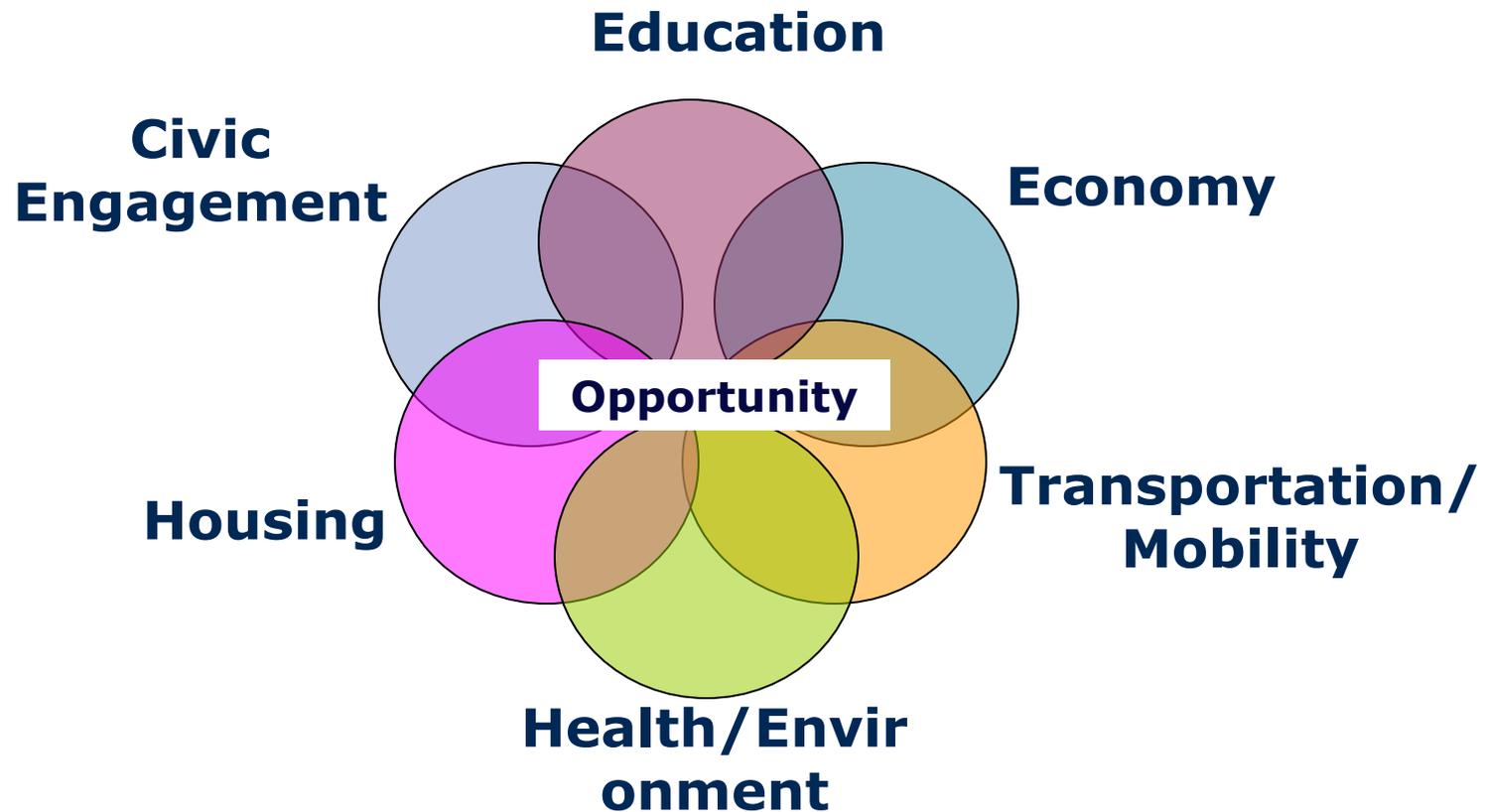


CRC Modes of Engagement

- Facilitating two-way engagement of university and community for mutual learning
- Solutions-oriented research projects
- Development of innovative data/ mapping tools
- Capacity-building on using research and data tools
- Building collaborative partnerships (policy, advocacy, business and research sectors)



Comprehensive Vision of Regional Opportunity





What is Youth Led Participatory Action Research?

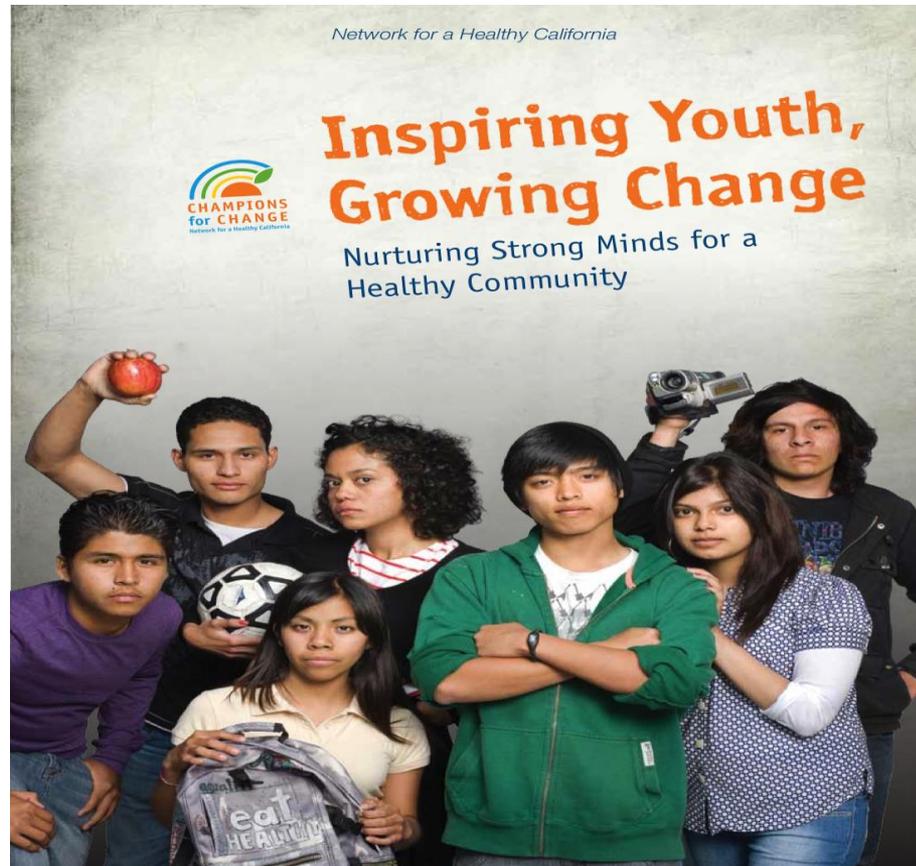
Youth-Led

Participatory

Action

Research

Examples of Youth Led Participatory Action Research for better health



Youth in Focus Stepping Stone Curriculum





Resources for YPAR Work



Making Youth Data Matter

Putting Youth on the Map and The Regional Opportunity Index

UCDAVIS

UCDAVIS
CENTER FOR REGIONAL CHANGE

Putting Youth on the Map



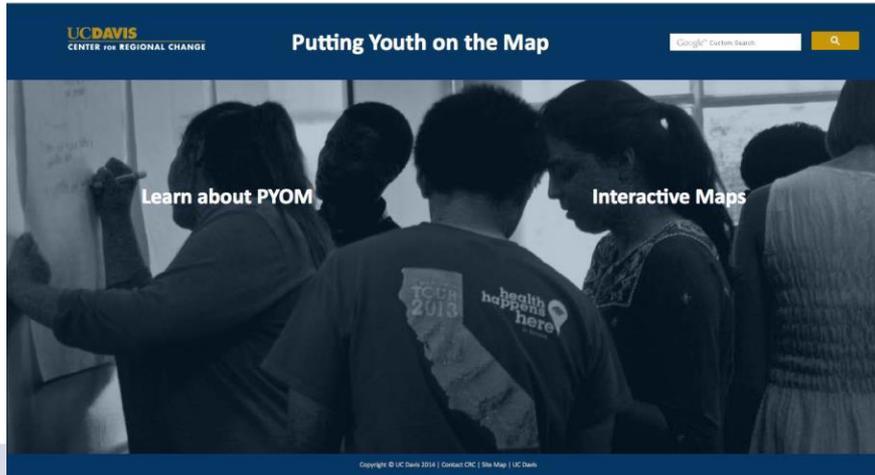
Learn about PYOM

Interactive Maps

Measuring Youth Well-Being



Making Youth Data Matter



Putting Youth on the Map: A Pilot Instrument for Assessing Youth Well-Being

Nancy Erbstein, Cassie Hartzog & Estella M. Geraghty

Child Indicators Research
The official Journal of the International Society for Child Indicators

ISSN 1874-097X

Child Ind Res
DOI 10.1007/s12187-012-9170-6



Springer

CHANGE



An index integrates multiple indicators to paint a big picture...

FLINT COMMUNITY SCHOOLS
923 E. Kearsley St., Flint, MI 48503

ACADEMIC P...

STUDENT NAME: Alston, Chrishanda J
STUDENT #: 1020206

CLASS	TEACHER	MARKS			
		MP	MP	MP	MP
ENVIRONMENTAL SCIE	MR HOLEC	A			
YEARBOOK	MRS LABELLE	A-			
ENGLISH 11 AMERICA	MRS WORTHAM	A			
ALGEBRA 2	MR MCGLASHEN	A-			
WORLD STUDIES (NOT	MS MCFADDEN	A+			
CHEMISTRY	MS LEE	A			

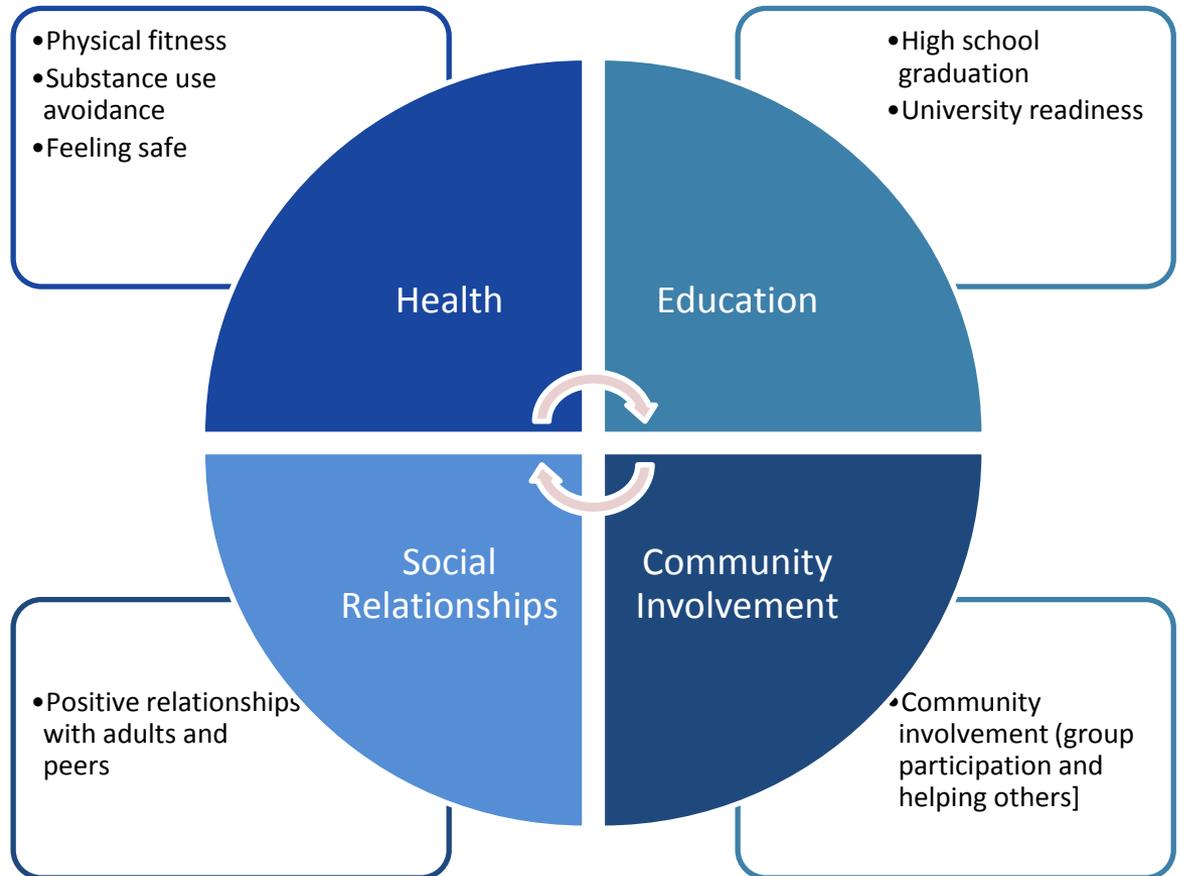
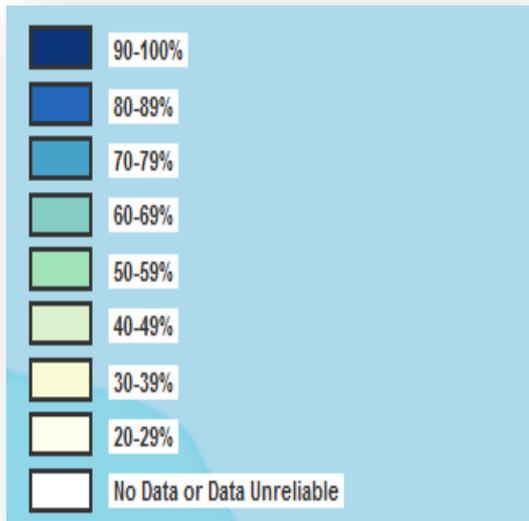
TRANSCRIPT INFORMATION

	CREDITS	GPA
PERIOD	N/A	4.000
STER	N/A	N/A
YEAR	4.000	3.250
ATIVE	14.500	2.406

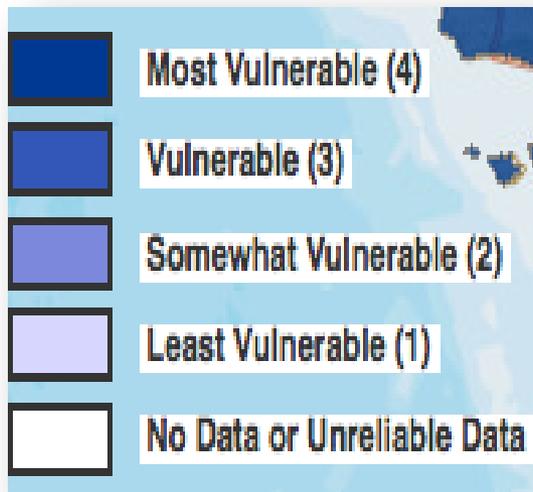
ACT/MEAP testin
Eligible seniors w
days are non-sch
and April 16. Sp
Whiteley, 760-1



Youth Well-Being Index



Youth Vulnerability Index



The YVI assesses vulnerability to inadequate support for well-being. It combines four types of data, which we call “indicators,”— the rates at which youth became teen mothers, did not complete high school, were placed in foster care, and lived in households with very low family incomes. The YVI and related indicator data and maps are available by census tract and county; sub-group analyses are provided by county

Putting Youth on the Map Resources

Indices

- Youth Well-Being Index
- Youth Vulnerability Index
- Associated data and statewide analyses

Other Maps/Data

- Income Adequacy
- Food Access
- Transportation Access
- Truancy & Suspension rates
- Youth Voting Patterns
- And more...

Mapping Resources

- Data Links
- PGIS Tools
- Mapping for Change Curriculum
- User Stories

Interact.regionalchange.ucdavis.edu/youth

Who Can Use the ROI?



Advocates



Businesses



Policy
Makers



Data Sources

- U.S. Census,
 - ACS 5-year datasets
- California Department of Education
 - STAR Test Results Research Files; DataQuest Expulsion, Suspension, and Truancy Report; Cohort Outcome Data; Graduates by Race and Gender; Staff Demographics
- Federal Communication Commission
- California Department of Public Health
 - Birth & Death Statistical Master Files
- California Registrar of Voters
 - General Election Statement of Registration
- National Establishment Time-Series Dataset
- BLS Quarterly Census of Employment and Wages
- FDIC (Federal Deposit Insurance Corporation) and NCUA (National Credit Union Association)
- USDA Food Access Research Atlas
- California EPA, Office of Environmental Health Hazard Assessment and Air Resources Board



Regional Opportunity Index

Google Custom Search [Search]



Learn about the ROI

Interactive Maps



Indicator Selection Criteria



- Availability and Currency
- Geographic Scale (possible to calculate at tract level)
- Reliability

ROI Indicators

People

- **Education**
 - % of adults with post-secondary education
 - % 4th graders proficient in ELA
 - % 4th graders proficient in math
 - Elementary school truancy rate
- **Economy**
 - % of adult population employed
 - % of households above 200% FPL
- **Housing**
 - % of households who own home
 - % of households paying <30% of income on housing
- **Mobility/Transportation**
 - % who commute 30 min. or less
 - % households with at least 1 vehicle for worker
 - Households with broadband
- **Health/Environment**
 - % healthy weight babies
 - % births to teens
 - % deaths to <75 year olds
- **Social/Political Engagement**
 - % CVAP that voted in 2010
 - % households not linguistically isolated

Place

- **Education**
 - High school graduation rate
 - High school grads college ready
 - % elementary teachers with 5 years experience and more than BA degree
 - High school suspension and expulsion rate
- **Economy**
 - Jobs within 5 mile radius per 1000 population
 - % jobs that are in high-paying industries within 5 mile radius
 - % job growth in last year within 5 mile radius
 - Banks per 1000 population within 5 mile radius
 - % change in number of employers within 5 mile radius, 2009-2011
- **Housing**
 - % homes with <= 1 occupant per room
 - Ratio of median income to median home value
- **Health/Environment**
 - % mothers receiving prenatal care in first trimester
 - % with access to full-service grocery stores
 - Healthcare provider locations (5 miles) per 1000 population
 - PM2.5 score
- **Social/Political Engagement**
 - % who live in same residence as a year ago

Envisioning ROI 2.0+

- **Multiple years-Change over time**
- **Custom geographies**
- **Custom weighting**
- **User-generated data layers/ maps**
- **New Data**
 - **Google transit feed**
 - **Civic infrastructure**
 - **Adult education**
 - **Banking services (check cashing)**
 - **Crime**
- **Annual Updates**
- **Website Information**
 - **Success Stories**
 - **Tutorials**
- **Outreach workshops**
- **Expand geographic scope**
 - **Other states**
 - **Nation-wide**



Thank you!

<http://interact.regionalchange.ucdavis.edu/roi/>
<http://interact.regionalchange.ucdavis.edu/youth>

Sergio Cuellar
Community Engagement Coordinator
sercuellar@ucdavis.edu

UCDAVIS
CENTER FOR REGIONAL CHANGE

