

South King County Opportunity Youth

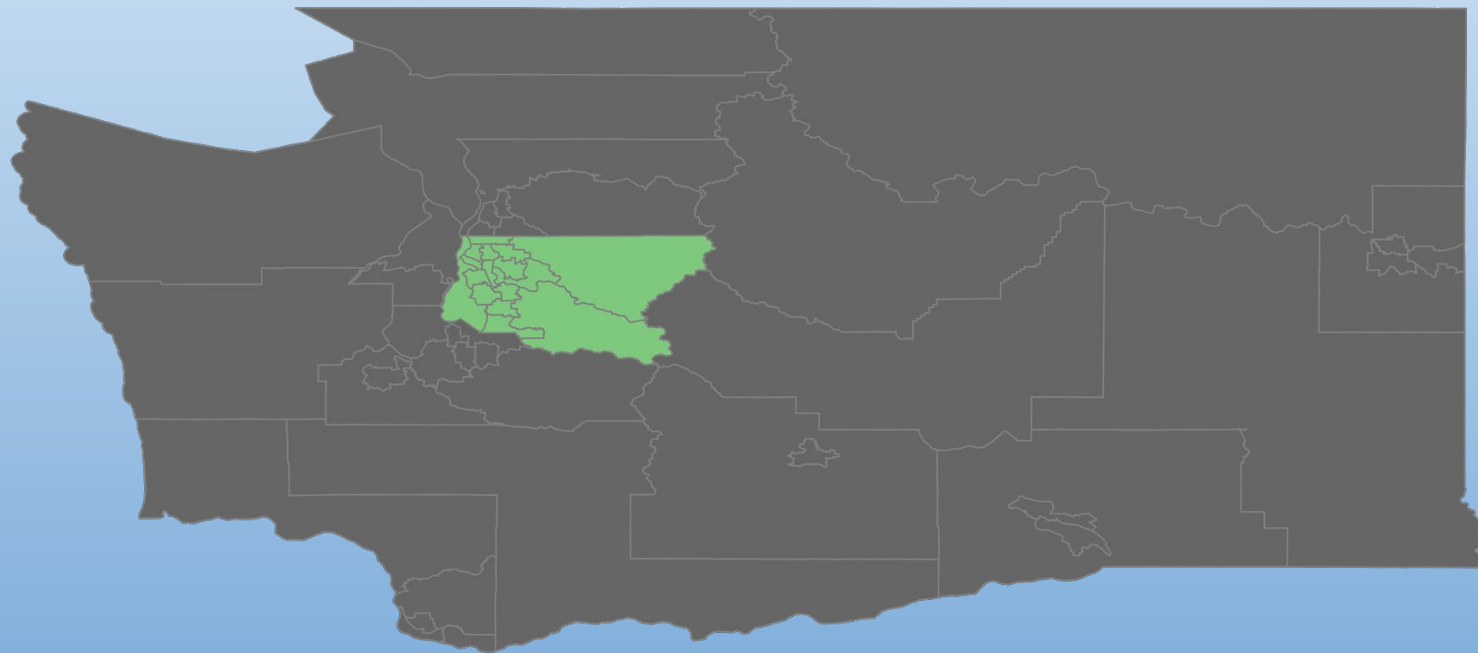
Updating Estimated OY Figures in South King County

Akash Rama, Yu Fen Lin, Aaron Abrahamson
Flatiron School Seattle

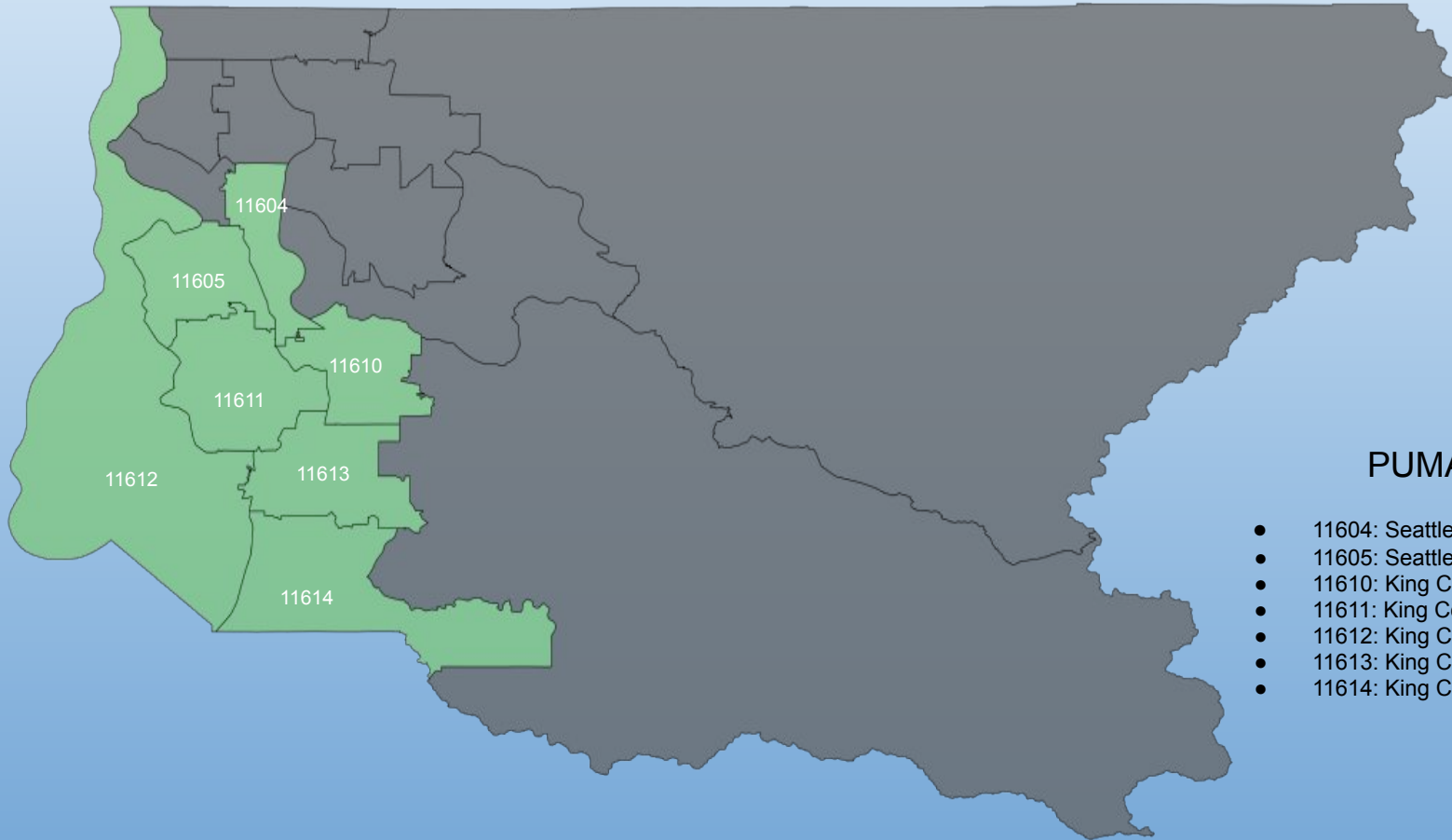
Opportunity Youth

- Aged 16-24, neither in school or working
- Current estimates on OY in South King County outdated - based on 2014 data
- Of interest to the Road Map Project and the Seattle Regional Partnership (SRP)
 - Road Map focused on educational achievement
 - SRP focused on educational achievement, as well as job employment and economic factors
- Urban Alliance study estimates “each young person who disconnects from school or work costs an estimated \$704,020 over his or her lifetime... the aggregate taxpayer burden is \$1.56 trillion and the social cost of \$4.75 trillion.”
- There are many unfilled job positions in King County

Map of Washington State, King County Highlighted



Map of King County (South King County in Color)



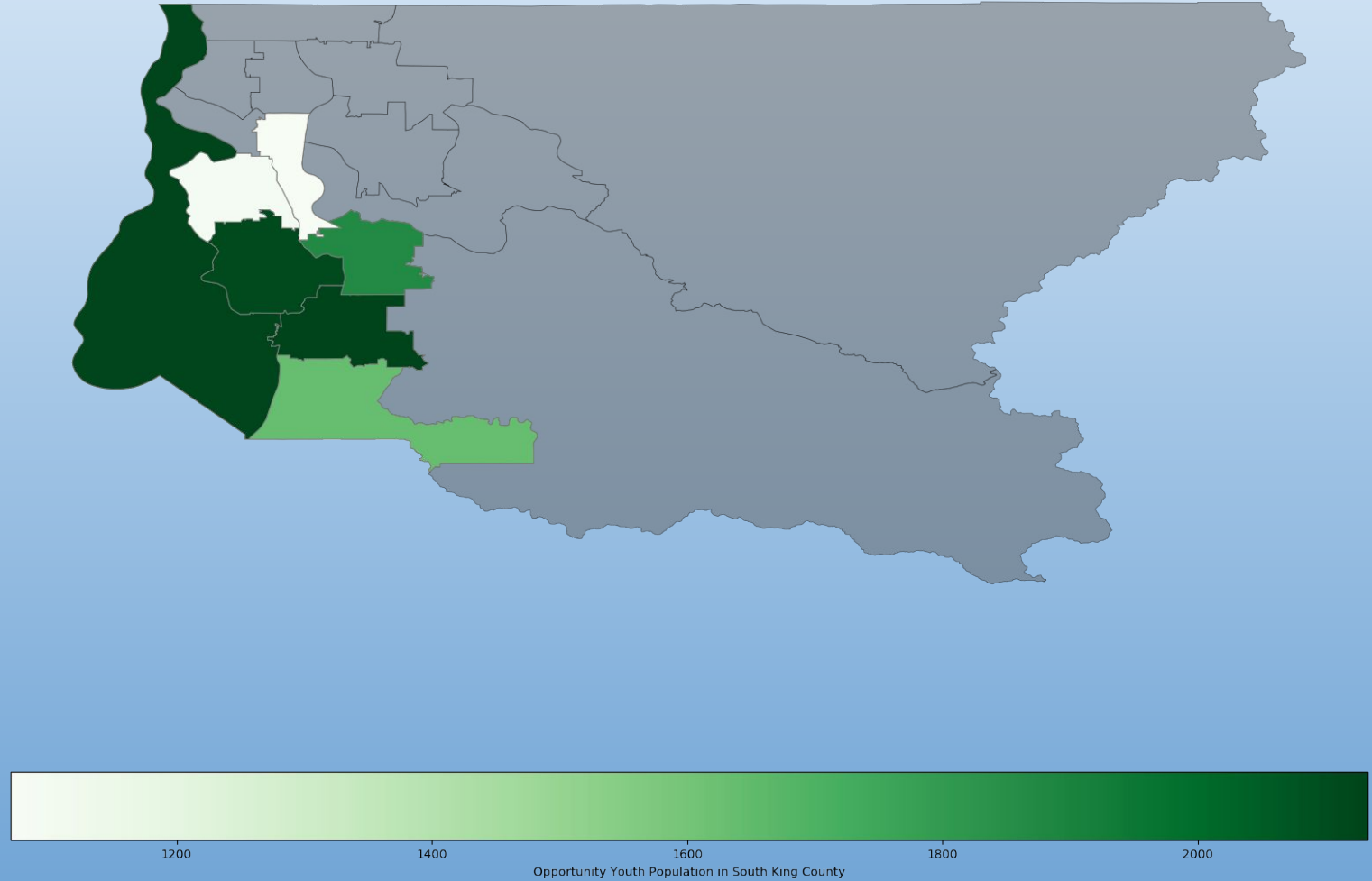
PUMA Regions Used:

- 11604: Seattle - Capitol Hill
- 11605: Seattle - Duwamish & Beacon Hill
- 11610: King County - Renton City
- 11611: King County - Burien/SeaTac
- 11612: King County - Federal Way
- 11613: King County - Kent City
- 11614: King County - Auburn City

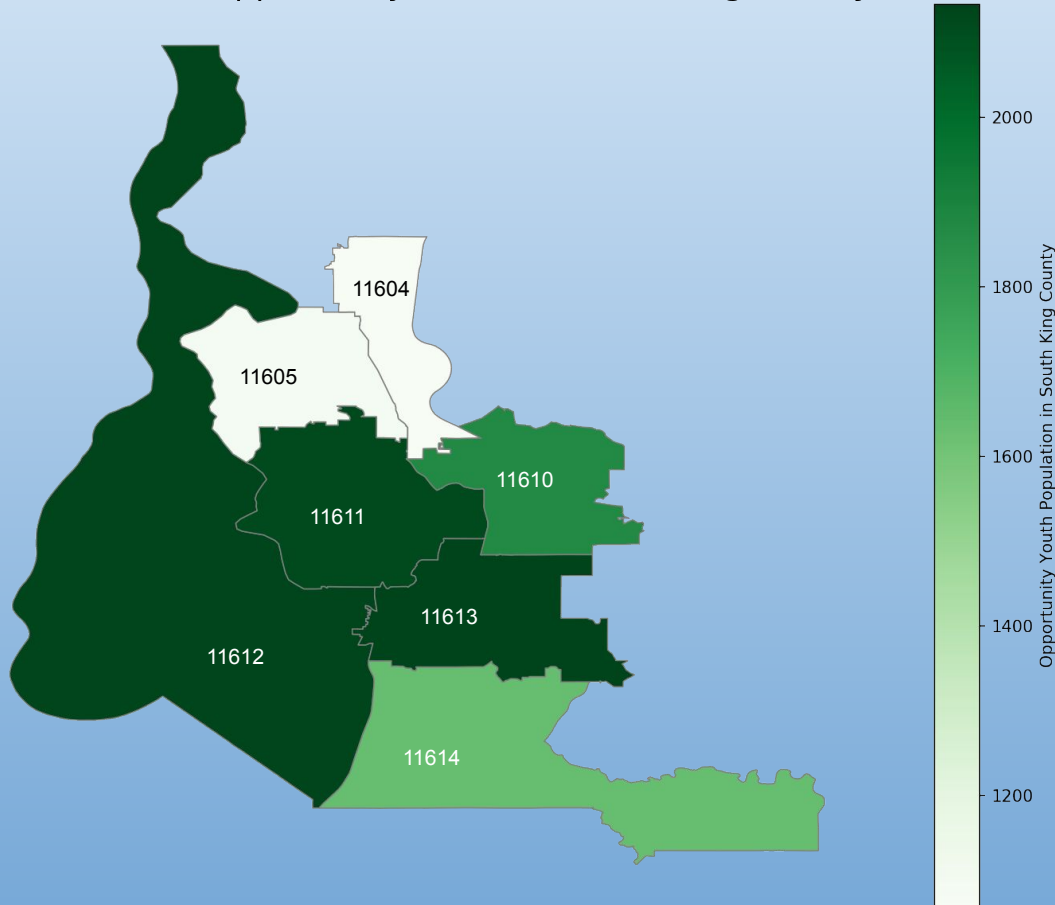
Methodology

- Focused on PUMA regions we defined as “South King County”
- Organized US Census data into three groups (Opportunity Youth, Working w/o Diploma, and Not Opportunity Group)
- Also broke down Opportunity Youth into Educational Attainment categories
- Maps and figures made with this data using a Python visualization library

Distribution of Opportunity Youth in South King County



Distribution of Opportunity Youth in South King County



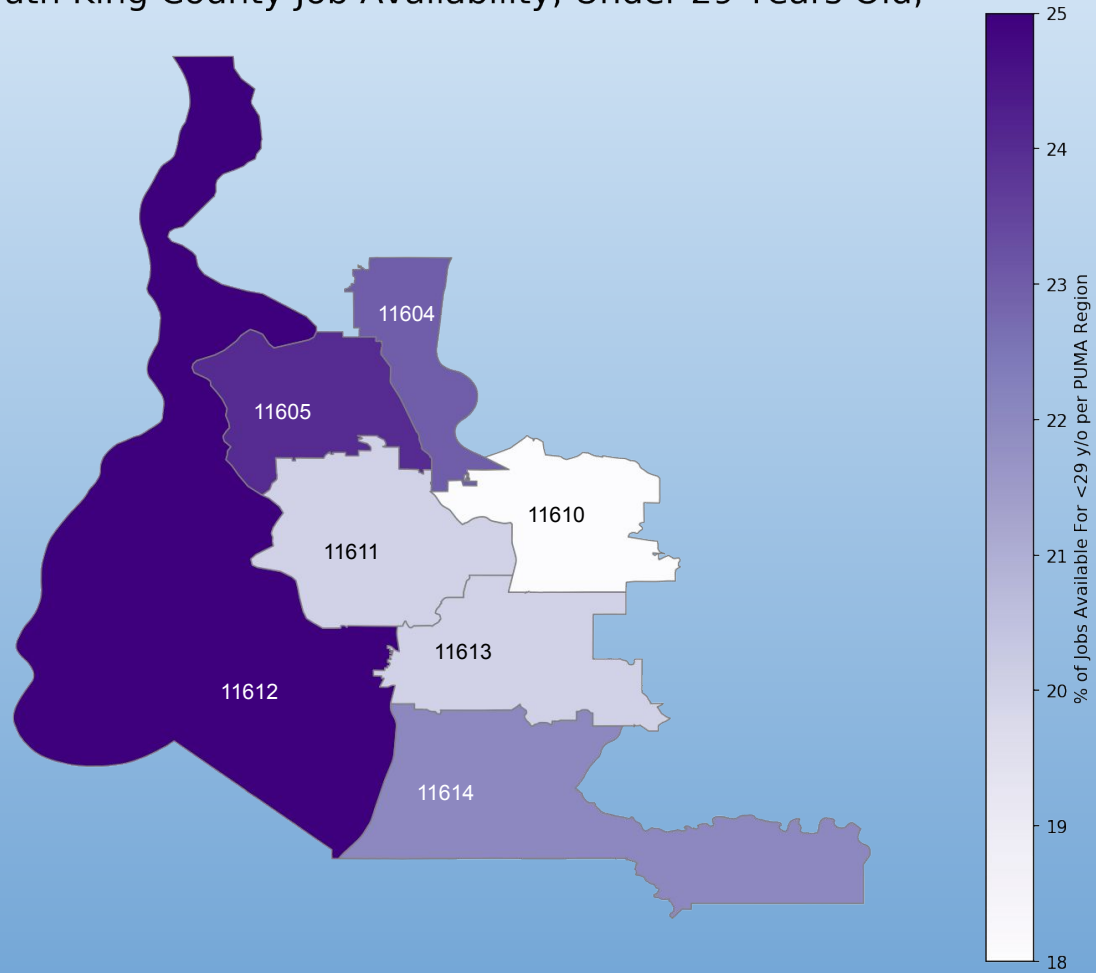
Key Takeaways:

- Federal Way, Kent City and Burien/SeaTac have highest concentration of OY
- Seattle has about half the amount of Opportunity Youth

Number of OY:

11604 - Capitol Hill:	1070 Opportunity Youth
11605 - Duwamish/Beacon Hill:	1092 Opportunity Youth
11610 - Renton:	1870 Opportunity Youth
11611 - Burien/SeaTac:	2110 Opportunity Youth
11612 - Federal Way:	2125 Opportunity Youth
11613 - Kent:	2133 Opportunity Youth
11614 - Auburn:	1631 Opportunity Youth

South King County Job Availability, Under 29 Years Old,



Through US Census jobs data we have found the following sectors to be good targets for employment opportunities:

- Retail, Manufacturing and Transportation Sectors

Percentage of Jobs Per Region For Age <29:

11604 - Capitol Hill:	23%
11605 - Duwamish/Beacon Hill:	24%
11610 - Renton:	18%
11611 - SeaTac/Burien:	20%
11612 - Federal Way:	25%
11613 - Kent:	20%
11614 - Auburn:	22%

Updated Figures - 2014 vs 2017

Opportunity Youth Status By Age 2014 & 2017

	16-18		19-21		22-24		Totals	
2014 Data	50053	100%	41651	100%	48031	100%	139735	100%
Opportunity Youth	2805	6%	7248	17%	8728	18%	18817	13%
Working Without Diploma	587	1%	2049	5%	2877	6%	5513	4%
Not An Opportunity Youth	46661	93%	32318	78%	36426	76%	115405	83%
	16-18		19-21		22-24		Totals	
2017 Data	32923	100%	29077	100%	37704	100%	99704	100%
Opportunity Youth	2016	6%	4320	15%	5695	15%	12031	12%
Working Without Diploma	1547	5%	9481	33%	22786	60%	33814	34%
Not An Opportunity Youth	29360	89%	15276	53%	9223	24%	53859	54%

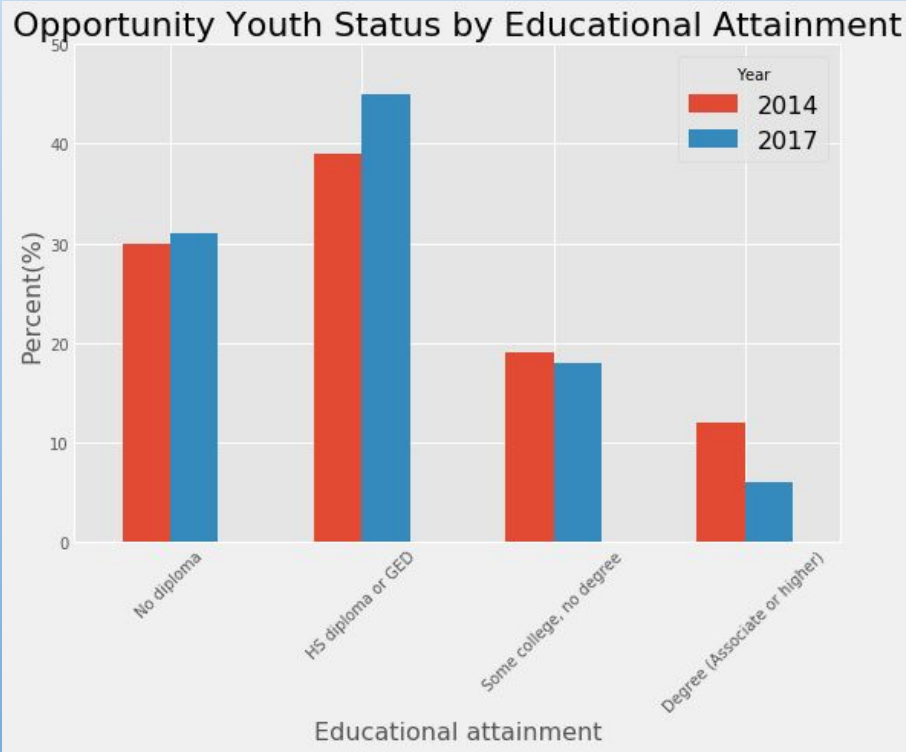
- Opportunity youth slightly down across the board
- We see a huge shift from “Not An Opportunity Youth” to “Working Without Diploma” - correct?
- Our total # of people estimated is down (140k vs ~100k) and 19k vs 12k Opportunity Youth

Opportunity Youth - Education Status - 2014 vs 2017

	16 - 18		19 - 21		22 - 24		Totals	
2014 Data	2805		7284		8728		18817	
No diploma	1610	57%	2048	28%	1981	23%	5639	30%
HS diploma or GED	985	35%	3349	46%	3067	35%	7401	39%
Some college, no degree	179	6%	1666	23%	1763	20%	3608	19%
Degree (Associate or higher)	31	1%	221	3%	1917	22%	2169	12%
	16 - 18		19 - 21		22 - 24		Totals	
2017 Data	2016		4320		5695		12031	
No diploma	1083	54%	1210	28%	1488	26%	3781	31.0
HS diploma or GED	790	39%	2312	54%	2284	40%	5386	45.0
Some college, no degree	143	7%	712	16%	1275	22%	2130	18.0
Degree (Associate or higher)	0	0%	86	2%	648	11%	734	6.0

- We will go into insights from this table in the next couple slides

Our Findings



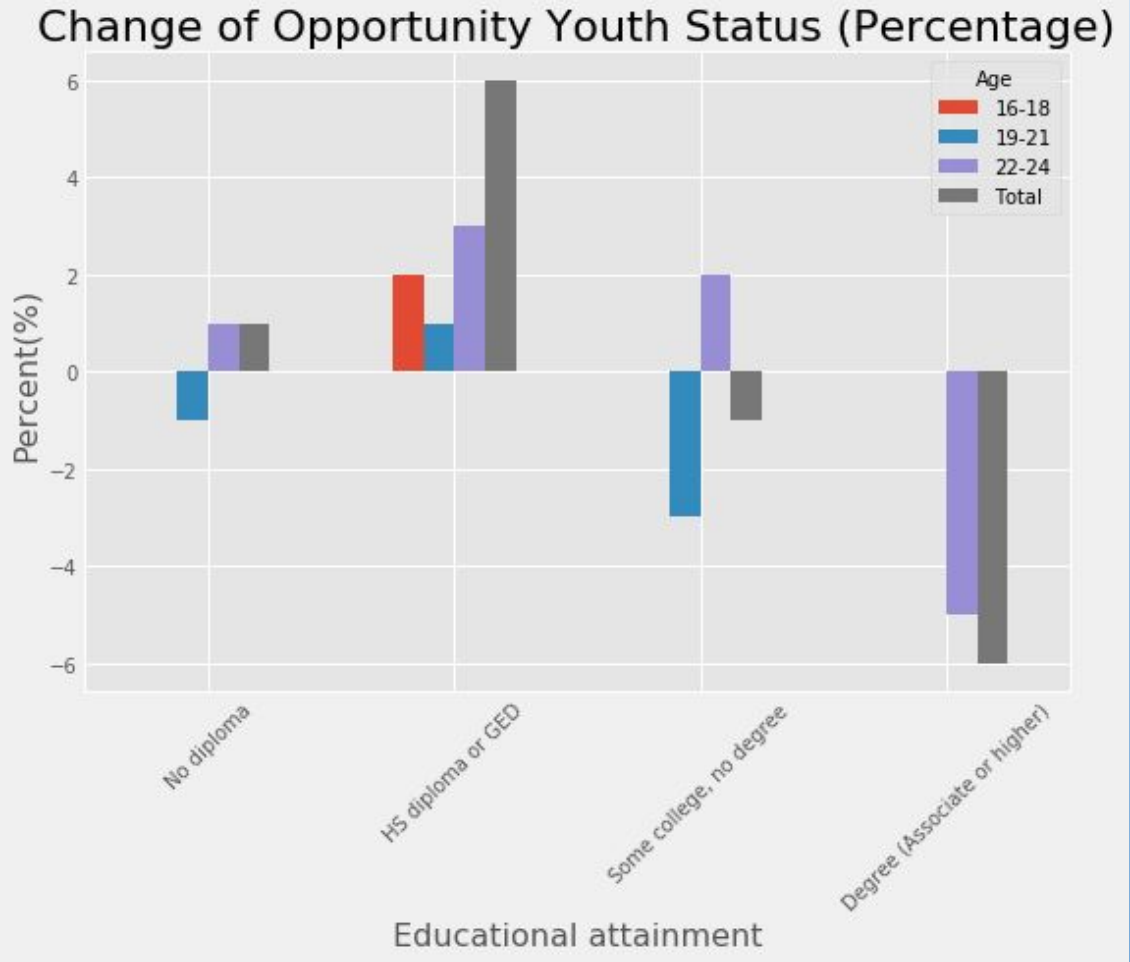
- Slight increase in number with no HS diploma
- Rate of High School graduation increased
- College enrollment is slightly down
- Number obtaining college degree is down

This figure is the relevant difference (%) between 2014 and 2017 educational attainment, broken out by age group

- All age groups see increase in graduating HS (or GED) (6% total)
- 19 - 21 year olds see a drop in college enrollment (-3%), 22 - 24 year olds see an increase (2%)
- 22 - 24 year olds have a large drop in attaining a college degree (-5%)

Recommendations:

New outreach programs should target OY college admission and continued education efforts



Next Steps

- Why is our sample size different from the other study?
- Reanalyze “working without a diploma” group
- Look into different racial groups, as the prior study had identified racial inequality
- Look at homeless status and how it affects outcomes

THANK YOU