

# South King County Opportunity Youth

*What's changed from 2016 to 2017?*

# Background

- The original report was conducted by a group called Road Map Project
- They're mission was to look for Opportunity Youths (OY) in the South King County area
- ~18,000 OY in original data
- Participants were 2 to 3 times more likely to go back to school and/or find meaningful employment afterwards compared to those who didn't participate.
- One major obstacle in helping these youths remain...

# Goals

1. **Map** the Public Use MicroData Areas (PUMAs) for South King County
2. **Update** the South King County OY population estimates for 2017
3. **Compare** changes within given age groups including:
  - The number of OYs vs. non-OYs
  - Within OY's, compare their educational backgrounds

# Data

- 2010 PUMA data
  - Found which PUMA values correspond to districts in South King County
- From 2017 Public Use Microdata Sample (PUMS)
  - Data refined for above PUMAs
    - ages 16 - 24
    - *not* in school
    - *not* working
    - highest grade level achieved
- 10,614 OY from analysis (12.5% of youths)

# Methodology

- Analyzed region of South King County
- Each bounded area is a **PUMA**
  - PUMAs partition each state into units containing no fewer than 100,000 people
  - Updated the YO's by PUMA

	sum	puma_name
puma		
11610	1853.0	King County (Central)--Renton City, Fairwood, Bryn Mawr & Skyway
11611	2038.0	King County (West Central)--Burien, SeaTac, Tukwila Cities & White Center
11612	1977.0	King County (Far Southwest)--Federal Way, Des Moines Cities & Vashon Island
11613	2006.0	King County (Southwest Central)--Kent City
11614	1530.0	King County (Southwest)--Auburn City & Lakeland
11615	1210.0	King County (Southeast)--Maple Valley, Covington & Enumclaw Cities



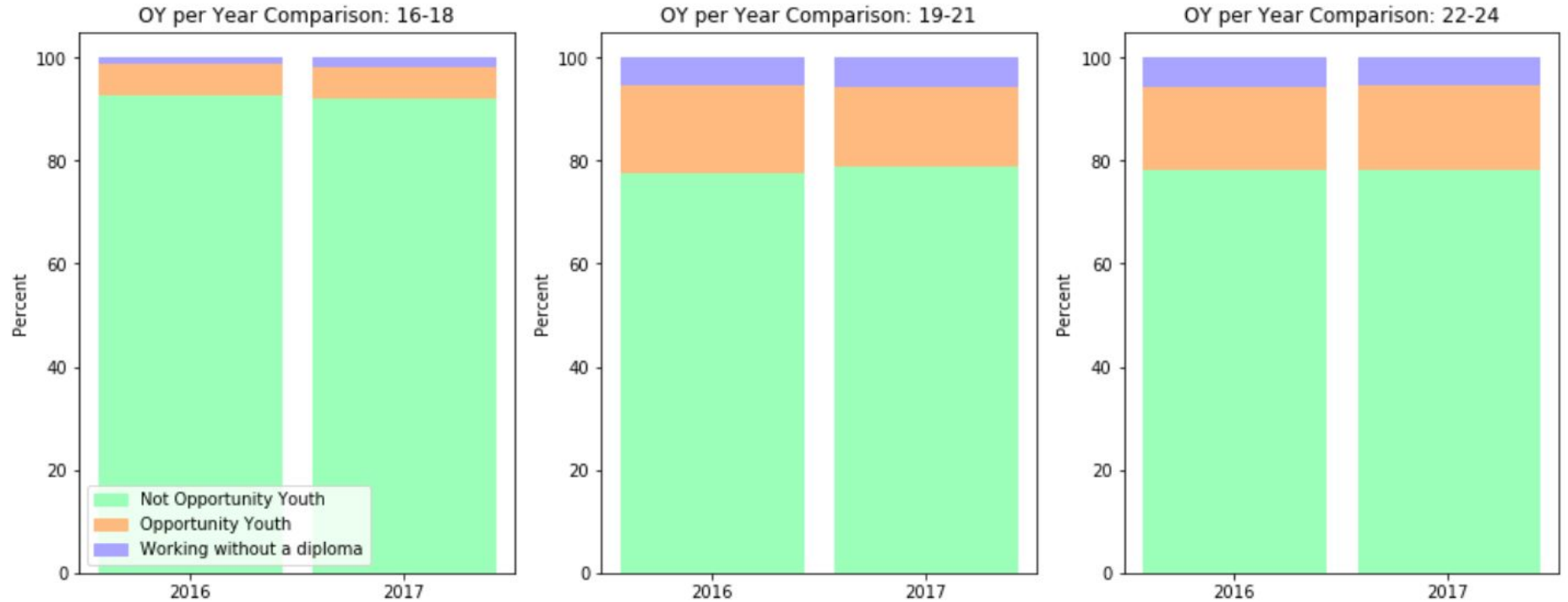
## Seven King County School Districts' Aggregated Opportunity Youth Status by Age (2016)

<i>Age Group</i>		16 - 18	19 - 21	22 - 24	<b>All Groups</b>
<i>Population of Age Group</i>		50,053	41,651	48,031	<b>139,735</b>
	<i>Opportunity Youth</i>	6%	17%	18%	<b>13%</b>
	<i>Working without a Diploma</i>	1%	5%	6%	<b>4%</b>
	<i>Not an Opportunity Youth</i>	93%	78%	76%	<b>83%</b>

## South King County Opportunity Youth Status by Age (2017)

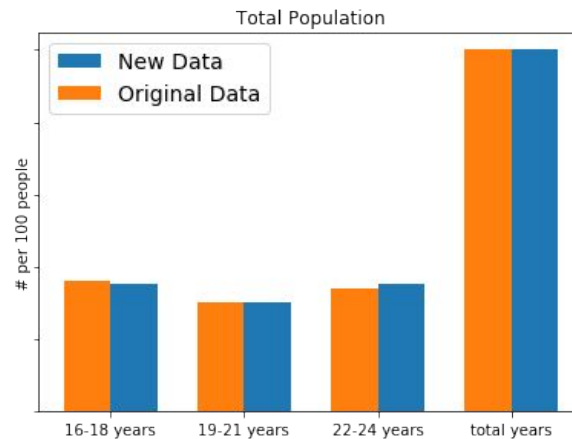
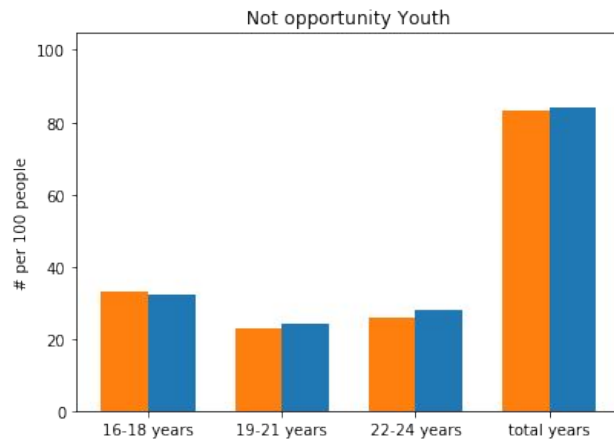
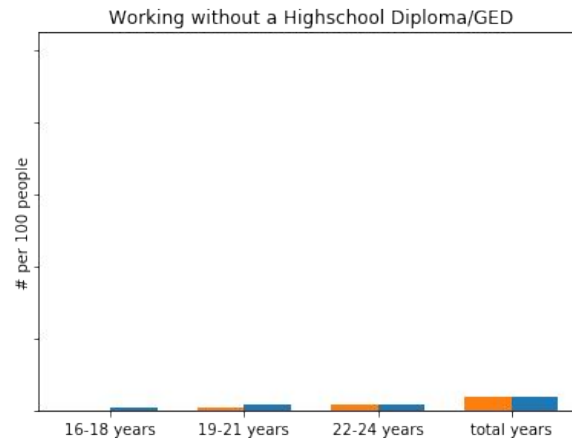
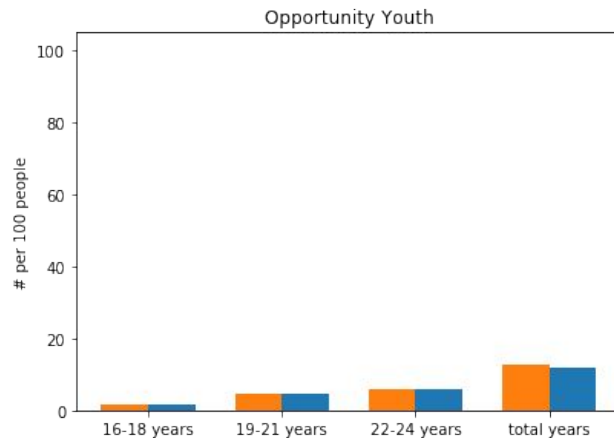
<i>Age Group</i>		16 - 18	19 - 21	22 - 24	<b>All Groups</b>
<i>Population of Age Group</i>		30,141	25,486	30,256	<b>86,153</b>
	<i>Opportunity Youth</i>	6%	15% ↓	16% ↓	<b>12.5%</b>
	<i>Working without a Diploma</i>	2%	6%	5%	<b>4%</b>
	<i>Not an Opportunity Youth</i>	92%	79%	79% ↑	<b>83.5%</b>

# South King County Youth Categories





# South King County Youth Categories



## Seven K.C. School Districts' Aggregated Opportunity Youths' Education Level by Age (2016)

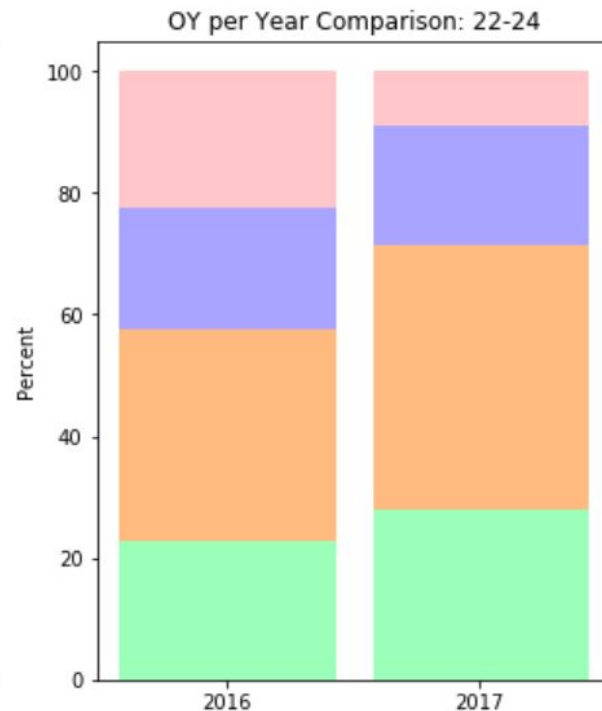
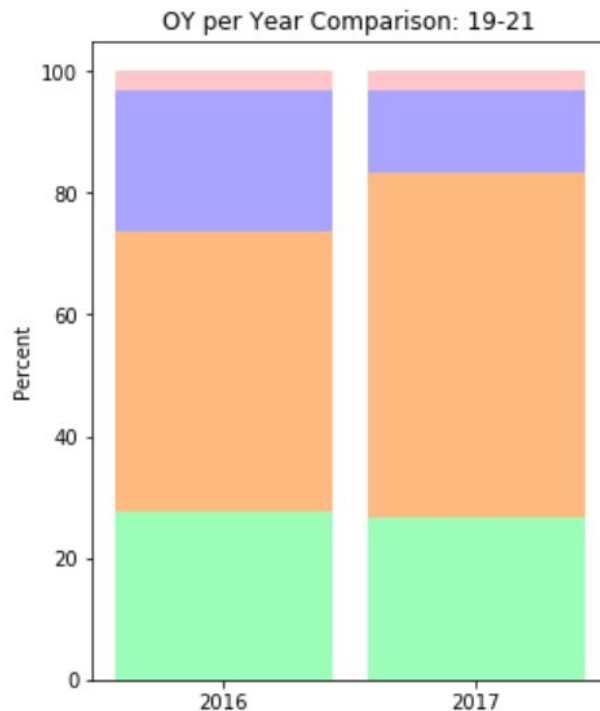
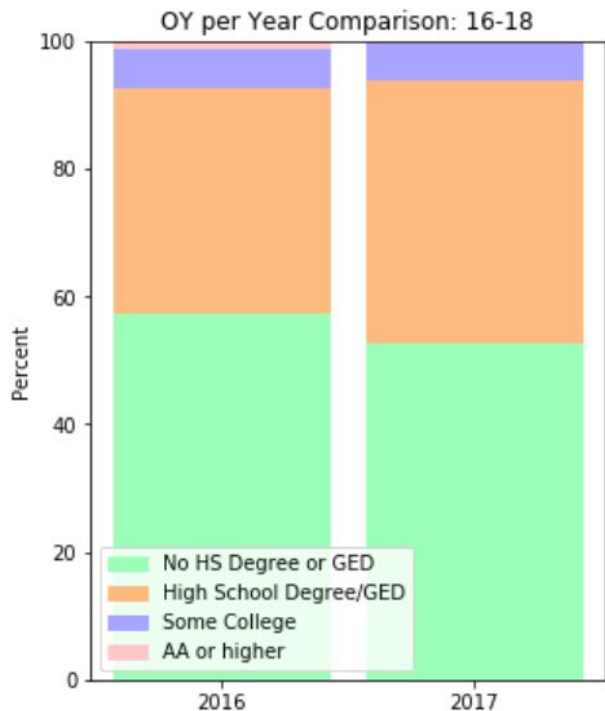
<i>Age Group</i>		16 - 18	19 - 21	22 - 24	<b>All Groups</b>
<i>Population of Age Group</i>		2,805	7,284	8,728	<b>18,817</b>
	<i>No Diploma</i>	57%	28%	23%	<del>30%</del>
	<i>HS Diploma or GED</i>	35%	46%	35%	<del>39%</del>
	<i>Some College, No Degree</i>	6%	23%	20%	<b>19%</b>
	<i>Degree (Associate's or Higher)</i>	1%	3%	22%	<del>12%</del>

## South King County Opportunity Youths' Education Level by Age (2017)

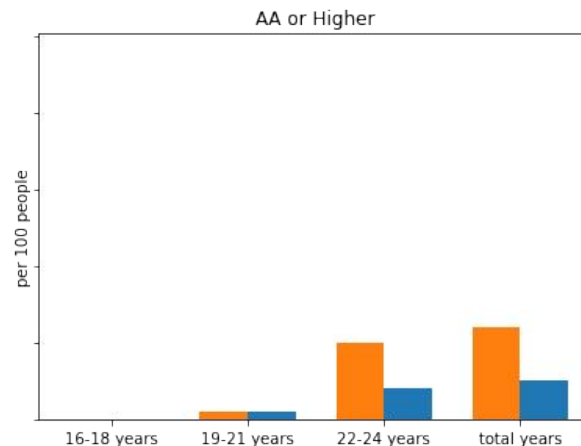
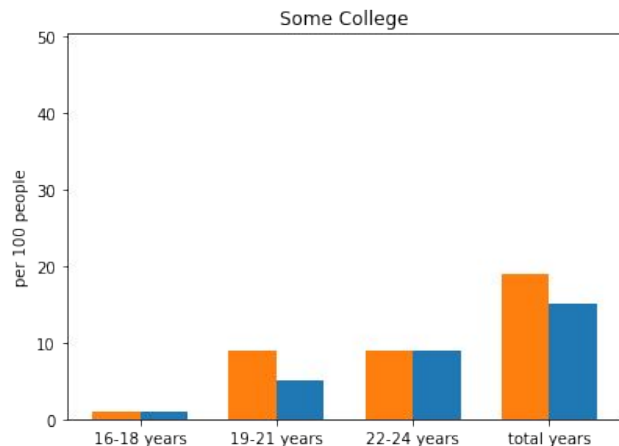
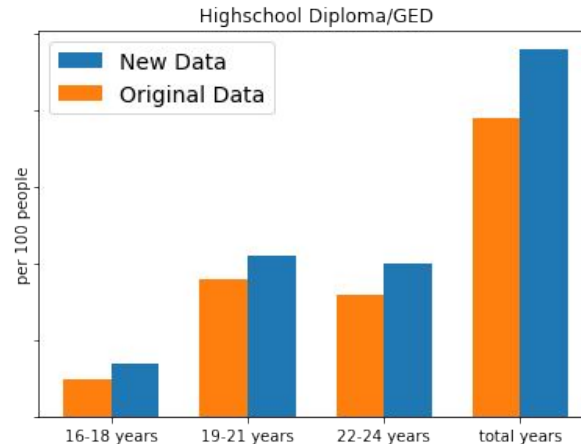
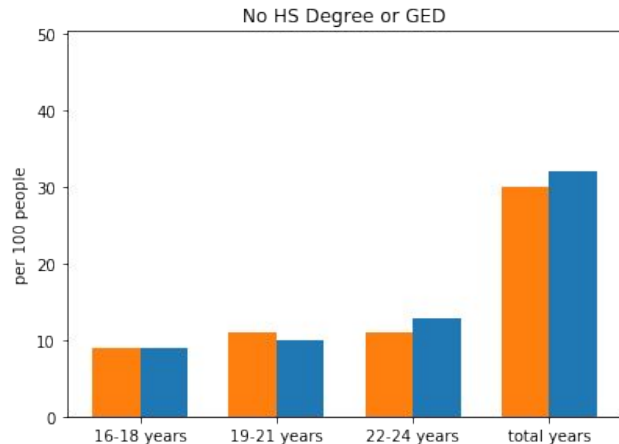
<i>Age Group</i>		16 - 18	19 - 21	22 - 24	<b>All Groups</b>
<i>Population of Age Group</i>		1,815	3,902	4,897	<b>10,614</b>
	<i>No Diploma</i>	50%	28%	28%	<b>32%</b>
	<i>HS Diploma or GED</i>	43%	56%	44%	<b>48%</b>
	<i>Some College, No Degree</i>	7%	13%	20%	<b>15%</b>
	<i>Degree (Associate's or Higher)</i>	0%	2%	8%	<b>5%</b>



# Opportunity Youth Demographics



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# Analysis & Conclusions

- Survivorship **bias** & exit surveys
  - Large drop in AA/College graduates
- Dataset incongruities
  - **Asymmetries** between areas assessed result in larger standard error
- Changes year-over-year of Age Group membership
- “Working without a Diploma” is a **category subset** of ‘Not Opportunity Youth’
  - “Meaningful” work?

# Next Steps

- Map updates and other **graphical styling**
- **Demo** how changing parameters will change results
  - Add South Seattle
  - “Working without a Diploma”
- **Explore and analyze** Education Level comparison
- Incremented Age Group

# Questions?