

# Using Neighborhood Drug Abuse and Income Analysis to Develop Tailored Abuse Intervention Programs

Gregory Pashayan

## Overview

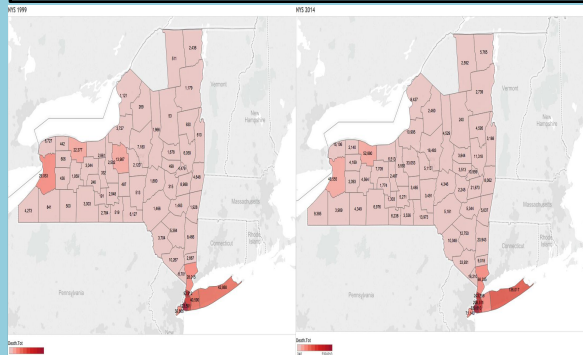
In this analysis I examined

- overdoses on state and county level
  - Non medical use of pain killers on the state level (2010)
  - Drug abuse on the State level (2010)
  - State level of employed people (2010)
- Data sources
- Substance Abuse and Mental Health Services Administration (SAMHSA)
  - center for disease control (CDC)
  - bureau of labor statistics (BLS)

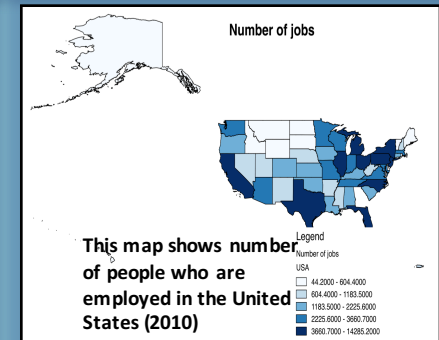
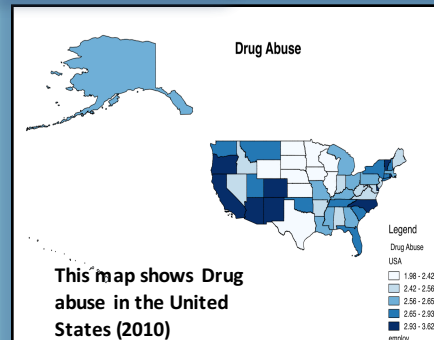
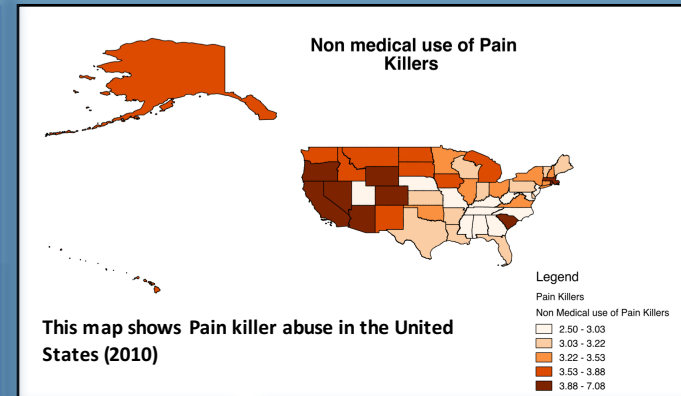
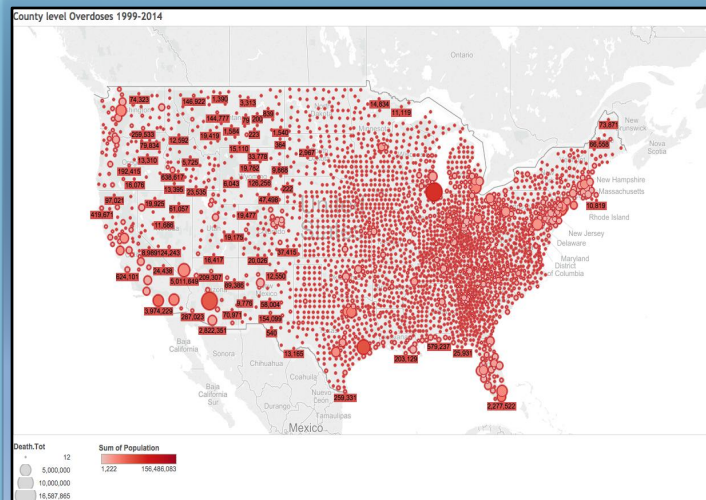
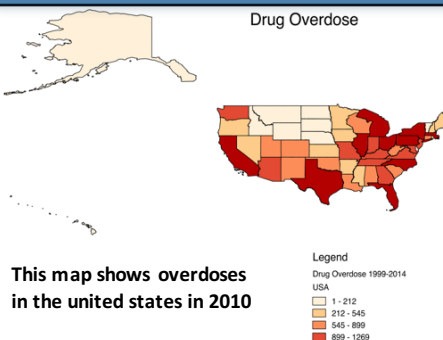
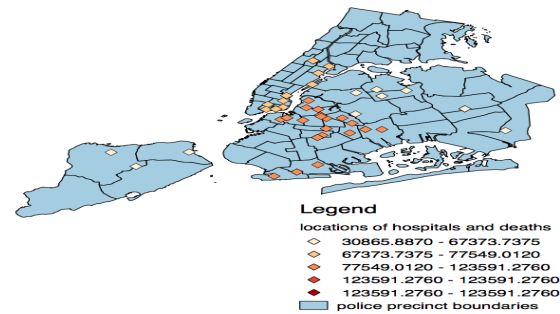
Below is an example of how some of the data looked in this analysis

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
state	median_west	age	us	st_name	stateabbr	stateabbr	stateabbr	stateabbr	stateabbr	stateabbr	stateabbr	stateabbr	stateabbr	stateabbr	stateabbr	stateabbr	stateabbr
1	631.62099	AL	1	ALABAMA	Ala	5.21	8.645	2.955001	49.94999	22.812001	4.925002	19.49499	26.86999	1.069999	2.855	1.579999	1.400001
2	776.40002	AK	2	ALASKA	Alaska	2.225002	9.684999	2.615	51.95999	18.634999	4.875	21.945	28.945	1.704999	3.585	1.680001	2.795001
4	707.64001	AZ	4	ARIZONA	Ariz	1.784999	9.779997	3.050001	48.79999	18.625001	5.394999	21.88999	22.82	1.95	4.249997	2.049999	1.940001
5	577.78998	AR	5	ARKANSAS	Ark	5.400001	3.304999	2.544999	37.47499	20.715	5.649997	18.95001	35.805	1.185	2.880001	1.75	1.551
6	822.85999	CA	6	CALIFORNIA	Calif	1.780001	9.510004	2.159999	49.79501	17.69501	5.130001	21.251	21.249001	1.1	3.990001	2.21	2.22
8	686.42999	CO	8	COLORADO	Colo	8.360001	8.849999	3.079999	38.5	17.73	5.399999	18.97001	12.55999	1.400001	3.000001	2.079999	1.400001
9	514.1	CT	9	CONNECTICUT	Conn	2.000002	8.800002	2.010001	61.260002	17.110001	4.330001	25.401	21.34	1.74	2.400001	2.02	2.170001
10	757.85999	DE	10	DELAWARE	Delaware	6.484999	6.849999	3.055001	53.105	18.45	5.125001	22	24.25	1.845	2.949999	2.239999	2.369999
11	1011.4	DC	11	DISTRICT OF Columbia	DC	11.705	13.185	3.619999	64.555	15.514999	4.185	31.57999	23.26	2.869999	5.194997	2.150001	3.075
12	725.38001	FL	12	FLORIDA	Fla	6.204999	8.174999	2.76	51.23	17.86999	4.559999	20.165001	22.665001	1.745	2.925002	1.75	1.625
13	748.72002	GA	13	GEORGIA	Ga	5.21	7.085002	2.595	44.23501	17.84	4.345	19.27	22.24999	1.635	2.400001	1.855	1.7
15	688.88001	HI	15	HAWAII	Hawaii	1.784999	9.779997	3.050001	48.79501	17.69501	5.130001	21.251	21.249001	1.1	3.990001	2.21	2.22
16	813.1	ID	16	IDAHO	Idaho	1.784999	9.779997	3.050001	48.79501	17.69501	5.130001	21.251	21.249001	1.1	3.990001	2.21	2.22
17	776.52002	IL	17	ILLINOIS	Ill	1.784999	9.779997	3.050001	48.79501	17.69501	5.130001	21.251	21.249001	1.1	3.990001	2.21	2.22
18	633.67999	IN	18	INDIANA	Ind	1.784999	9.779997	3.050001	48.79501	17.69501	5.130001	21.251	21.249001	1.1	3.990001	2.21	2.22
19	646.88001	IA	19	IOWA	Iowa	7.724999	8.760002	2.24	53.330002	18.200001	3.899999	26.880001	23.63999	1.01	3.21	1.46	1.74
20	686.75	KS	20	KANSAS	Kans	6.725002	8.399999	2.420001	49.255001	17.915001	4.255001	23.30999	24.455001	1.23	3.155002	1.5	1.625
21	637.76001	KY	21	KENTUCKY	Kent	5.145	6.949999	2.579999	47.14999	19.145	4.25	18.64999	32.34	1.275	2.75	1.85	1.775
22	615.14	LA	22	LOUISIANA	La	6.120001	7.649999	2.619999	47.61999	19.145	4.25	18.64999	32.34	1.275	2.75	1.85	1.775
23	686.52002	ME	23	MAINE	Maine	5.950001	7.699999	2.52	53.350002	18.200001	3.899999	26.880001	23.63999	1.01	3.21	1.46	1.74
24	865.78002	MD	24	MARYLAND	Md	5.579999	6.929999	2.53	56.09	17.59	4.020002	21.5	21.500001	1.409999	2.579999	1.87	1.800001
25	847.30002	MA	25	MASSACHUSETTS	Mass	6.340001	5.589997	2.605	61.18	17.27	4.155002	26.775	19.52	1.915	3.655	2.049999	2.74
26	711.96998	MI	26	MICHIGAN	Mich	7	8.499999	2.699999	33.70001	20.23	5.200002	25.401	27.5	1.33	3.45	1.84	2.140001
27	696.01001	MN	27	MINNESOTA	Minn	7.679999	9.215002	2.385	57.555	17.63999	4.549997	26.79999	24.150001	1.235	3.149999	1.400001	1.619999
28	592.53998	MS	28	MISSISSIPPI	Miss	5.619999	7.260002	2.440001	38.965001	19.700001	4.700002	18.97001	12.55999	1.400001	3.000001	2.079999	1.400001
29	726.21001	MO	29	MISSOURI	Miss	6.260001	7.73	2.830001	52.260001	18.61999	4.800001	23.91999	26.51999	1.13	3.8	1.85	1.775
30	545.53998	MT	30	MONTANA	Mont	1.860001	50.01	2.74	56.88	18.88	4.380001	26.510001	24.58	1.409999	3.169999	2.069999	2.400001
31	663.34998	NE	31	NEBRASKA	Nebr	6.774999	8.389999	2.420001	49.255001	17.915001	4.255001	23.30999	24.455001	1.23	3.155002	1.5	1.625
32	671.25	NV	32	NEVADA	Nev	9.204999	10.175	2.549999	54.52	17.895	5.849997	24.6	24.600001	1.53	3.149999	1.850001	1.800001
33	818	NH	33	NEW HAMPSHIRE	NH	7.899999	8.820004	2.520001	62.84001	19.73	3.699999	23.790001	22.790001	1.95	3.100001	1.91	2.79

Comparison of New York State in 1999 and 2014 as you can see the NYC area gets progressively worse



### Overdoses and locations of hospitals



### Findings/Further Research

It is clear the overdose rates have grown at a rapid rate further more we can also see that Pain killer abuse is also an issue, in my future research I would like to investigate county's with high overdose rates and analyze drug type income and crimes committed (drug related) in that county and see how preventive measures can be put in place ex: if juvenile alcohol abuse leads to drug abuse have programs in place