# HOW FAIR ARE MEDICAL MARIJUANA LAND USE POLICIES?

#### Jeremy Németh, PhD Eric Ross, MURP

University of Colorado Denver Department of Planning and Design

March 14, 2014

#### **BIG QUESTIONS**

Q: Are MMDs LULUs?

A: Sort of.

Q: Do we regulate MMDs like we do nuisance LULUs?

A: Yes.

Q: If MMD regulation is similar to other nuisance LULUs, are resulting allowable land use distributions also similar? That is, are we forcing them into the most atrisk neighborhoods?

A: Yes.

### LULUs: TYPES

CATEGORY	EXAMPLES
ENVIRONMENTAL	Incinerators Landfills Recycling centers Power plants Freeways
HUMAN SERVICES	Rehab centers Homeless shelters AIDS clinics Soup kitchens Correctional faciliites
NUISANCE/VICE	Liquor stores Sex-oriented businesses Bars/nightclubs Gun shops Casinos

#### LULUs: IMPACTS (REAL/PERCEIVED)

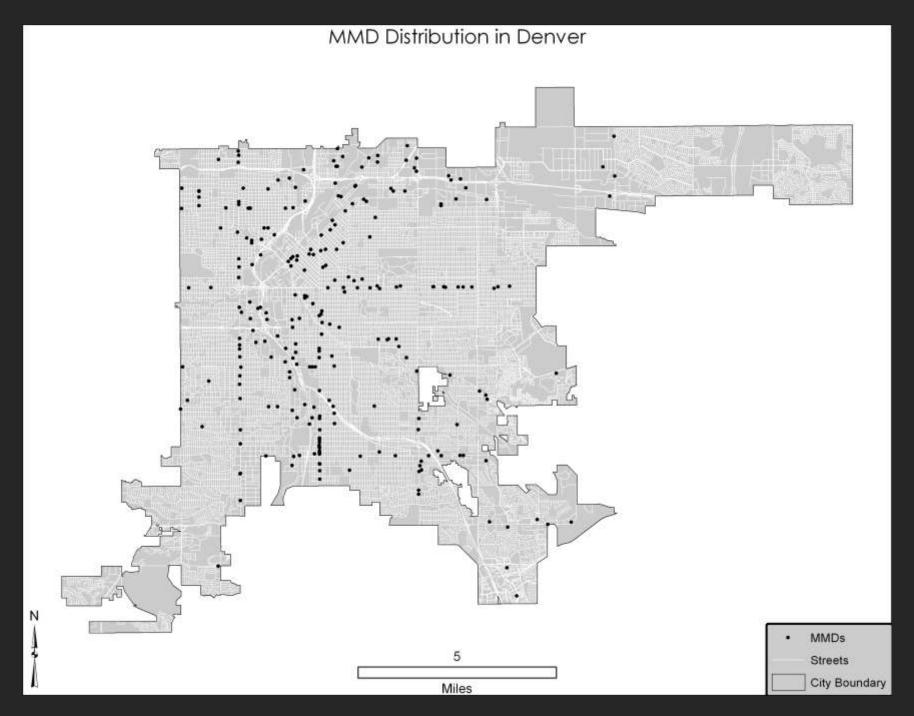
- Quality of life
- Property values
- Crime

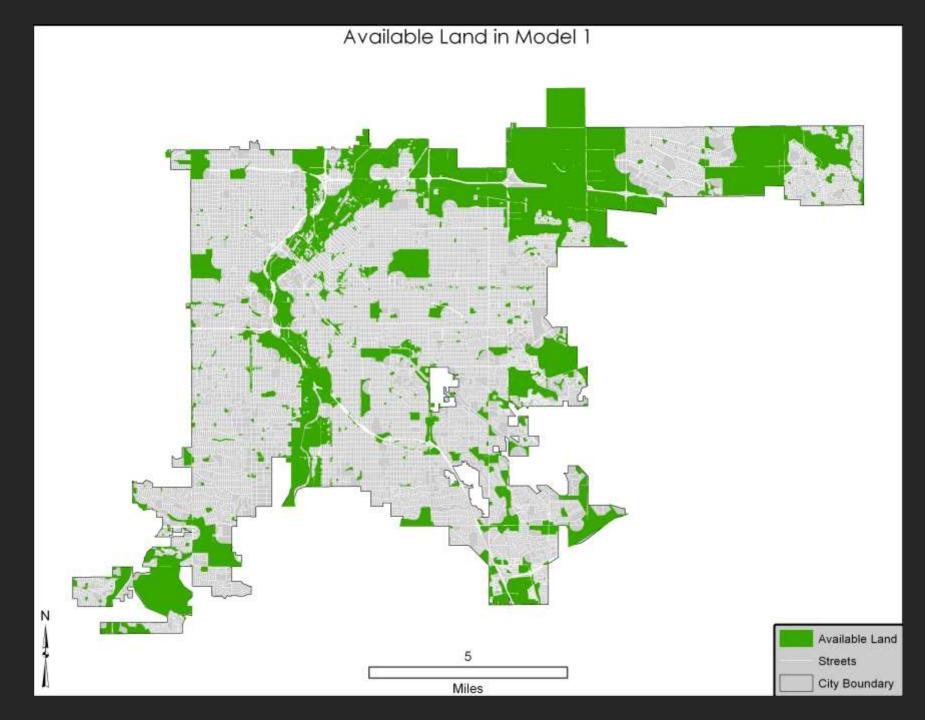
#### MMD REGULATION

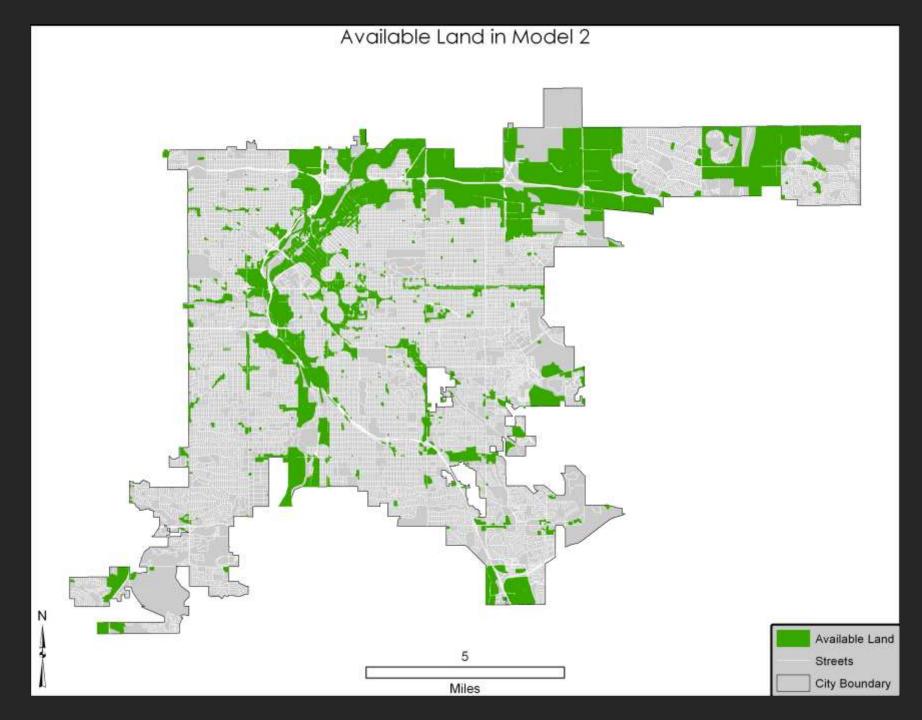
- Licensing
- Operation
- Location

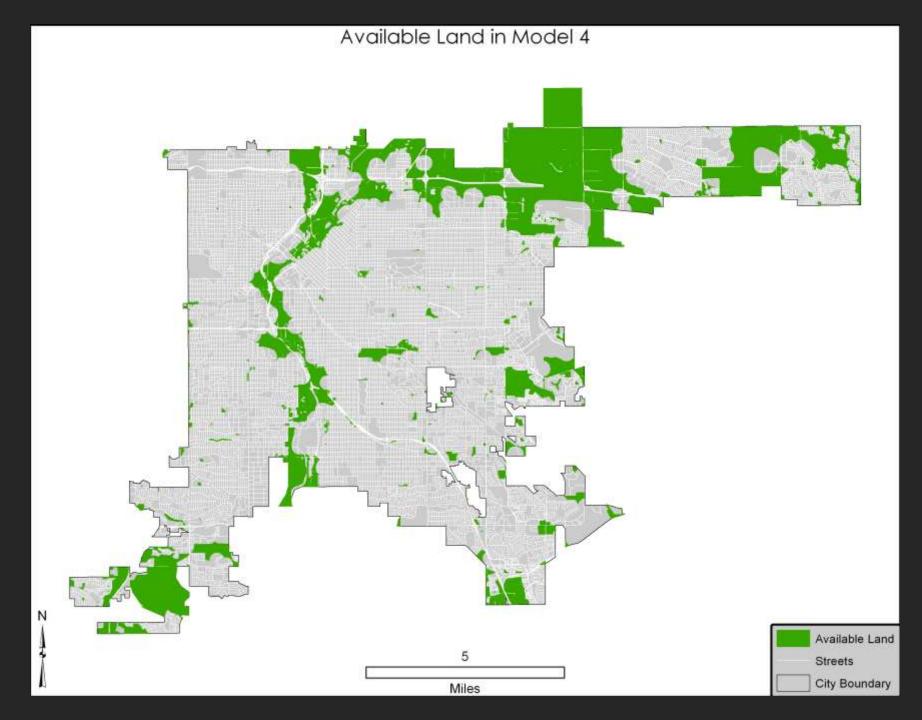
### LAND USE MODELS

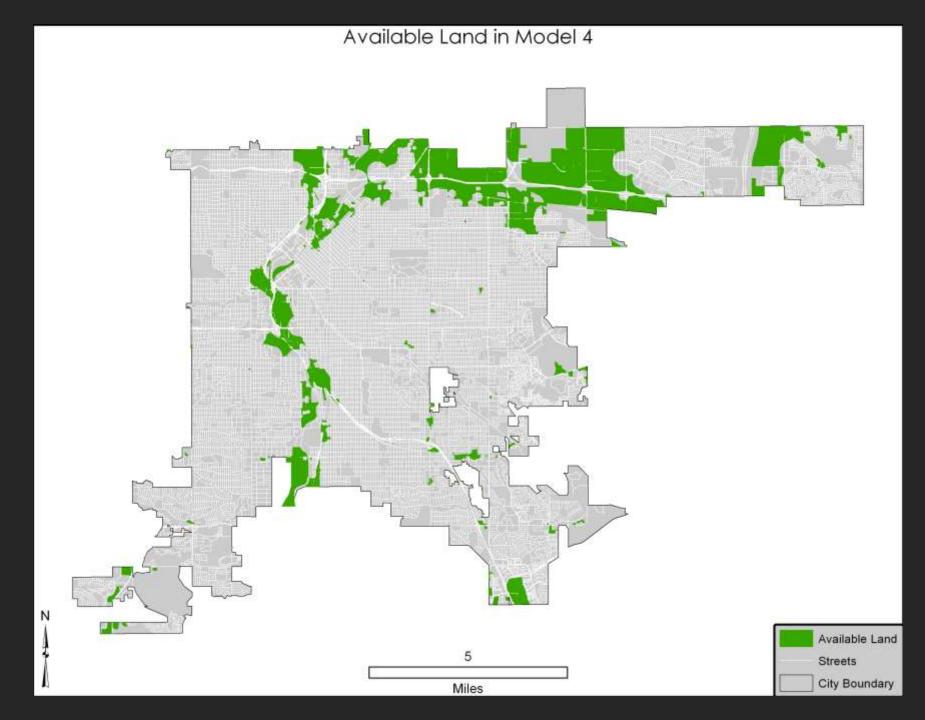
MODEL	DRAWN		ZONING	LOCATION		
	FROM	Permitted	Prohibited	Restrictions		
А	Denver	Not in code	<ul> <li>Residential (R)</li> <li>Embedded retail districts (MS, MX)</li> <li>Any districts where retail sales prohibited</li> </ul>	1000 feet of schools, childcare centers, rehab centers, other MMDs		
В	Ann Arbor	<ul><li>Downtown (D)</li><li>Commercial (C)</li></ul>	<ul><li>Industrial (M)</li><li>Planned Unit Development (PUD)</li></ul>	1000 feet of schools		
С	Phoenix	<ul><li>Commercial (C)</li><li>Industrial (A)</li></ul>	Residential (R)	<ul> <li>5280 feet of other MMDs</li> <li>1320 feet of parks, schools or community buildings</li> <li>500 feet of churches</li> <li>250 feet of residential district</li> </ul>		
D	Los Angeles	<ul> <li>No More than 70 MMDs</li> <li>Distribution based on population</li> </ul>	Residential (R)	<ul> <li>1000 feet of schools, parks, libraries, churches, childcare facilities, youth centers, rehab centers, other MMDs</li> <li>Adjacent to residential or mixed use district or lot</li> </ul>		





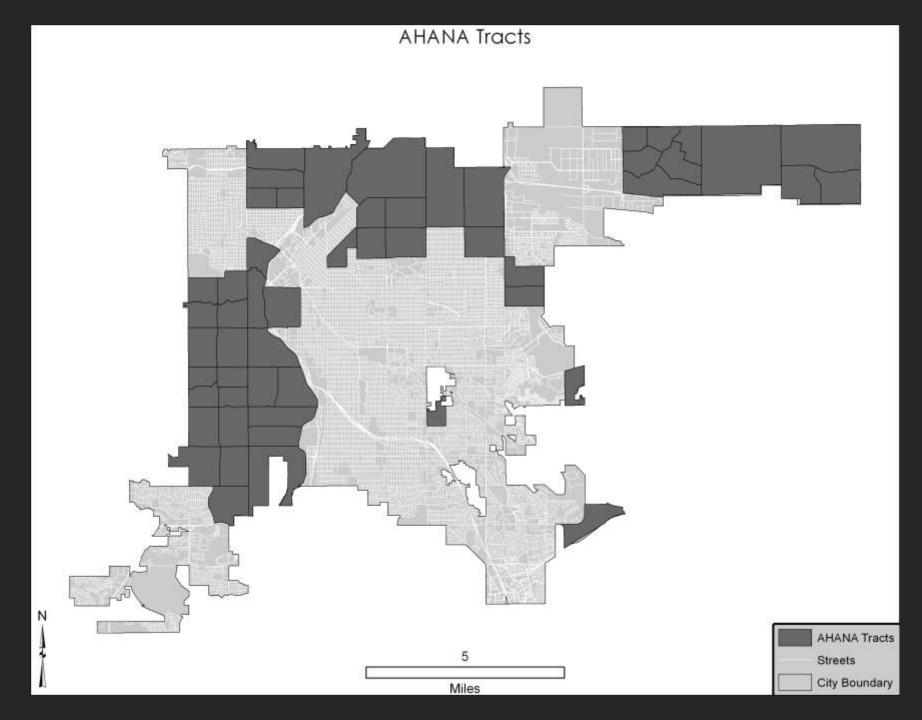




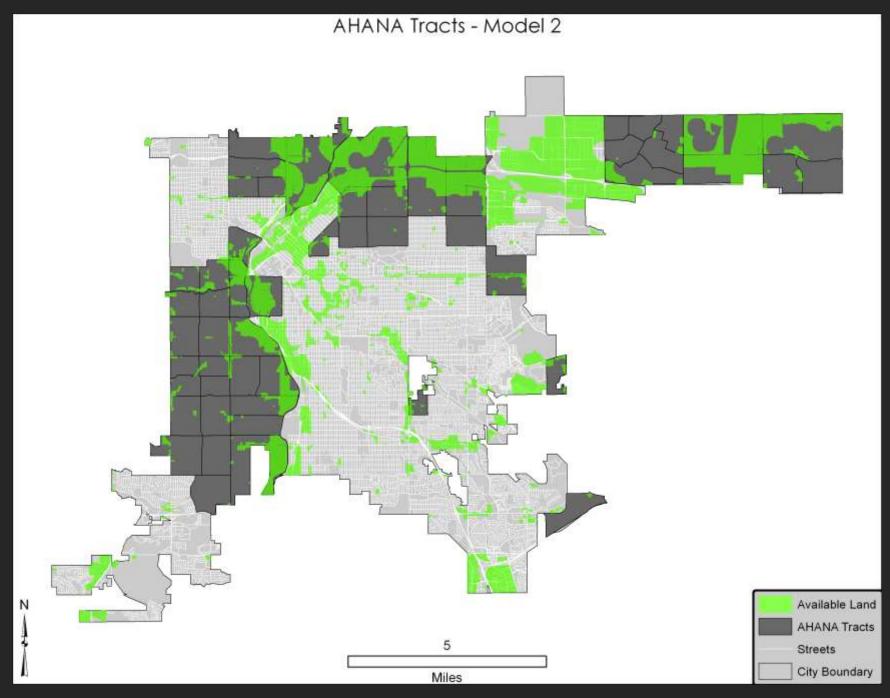


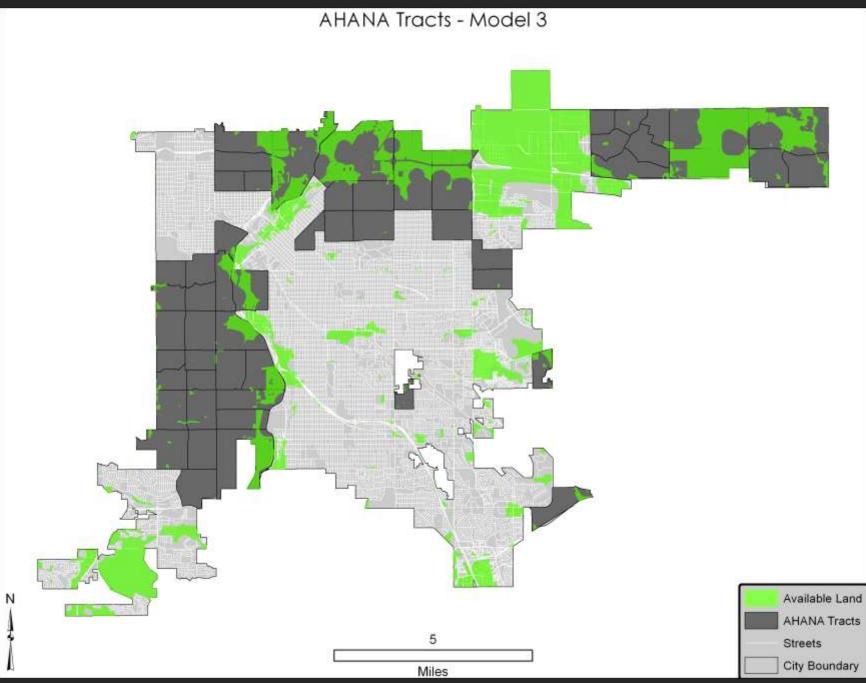
#### AVAILABLE LAND UNDER FOUR SCENARIOS

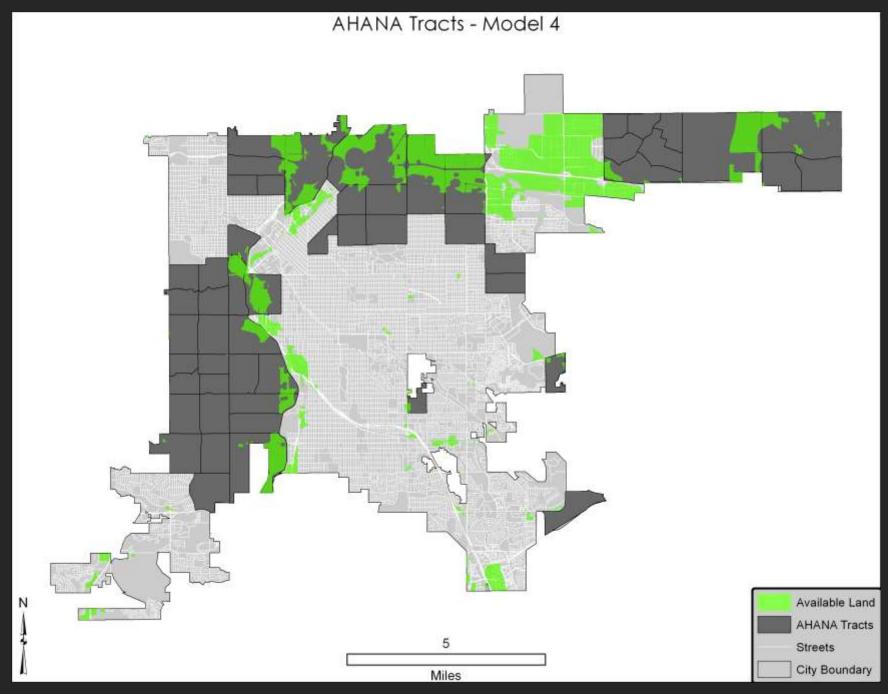
	ZONING RESTRICTIONS ONLY		LOCATION RESTRICTIONS ONLY		ZONING + LOCATION RESTRICTIONS	
	ACRES	PERCENTAGE	ACRES	PERCENTAGE	ACRES	PERCENTAGE
MODEL A	29,320	53.6%	19,328	35.35	19,328	35.3%
MODEL B	16,233	29.7%	49,016	89.6%	12,967	23.7%
MODEL C	13,900	25.4%	14,089	25.7%	7,574	13.8%
MODEL D	29,317	53.6%	13,286	24.3%	13,280	24.3%



Parcel Data: City & County of Denver; Land Calculations by Authors Tract Data: Census 2010; AHANA Status Determined by Authors

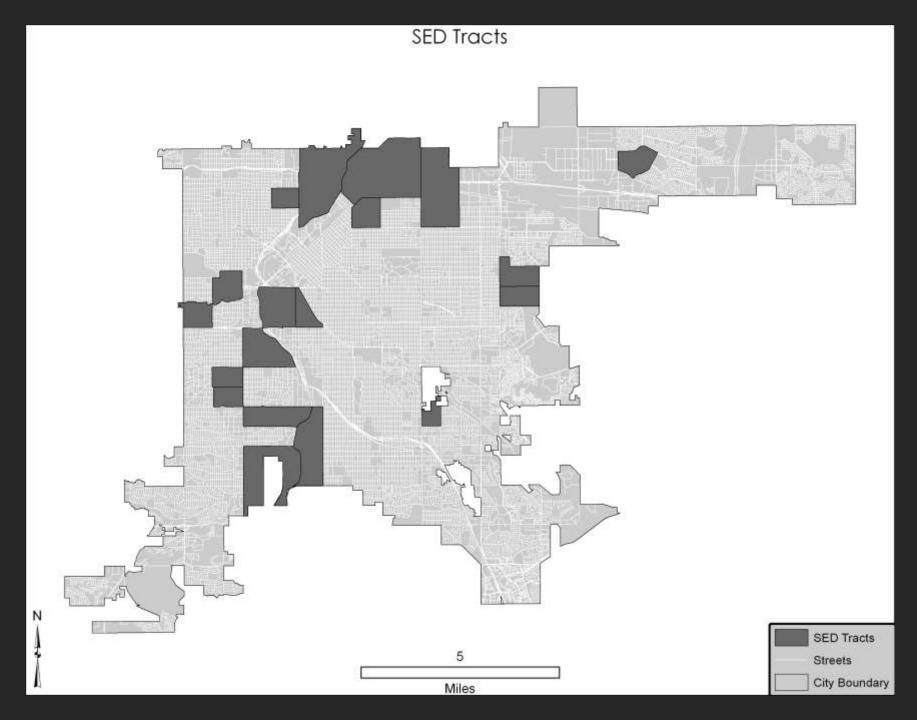


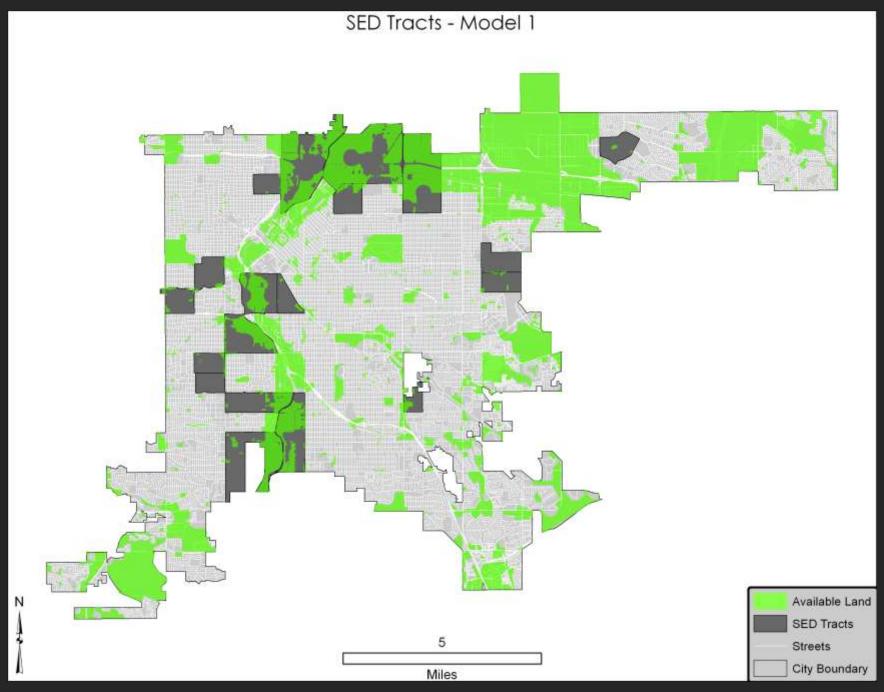


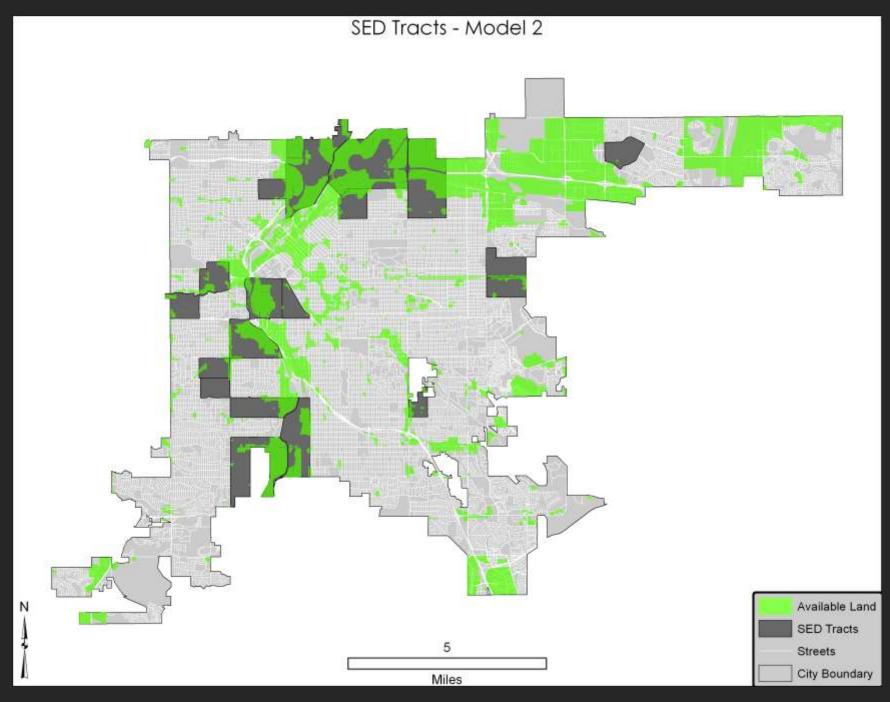


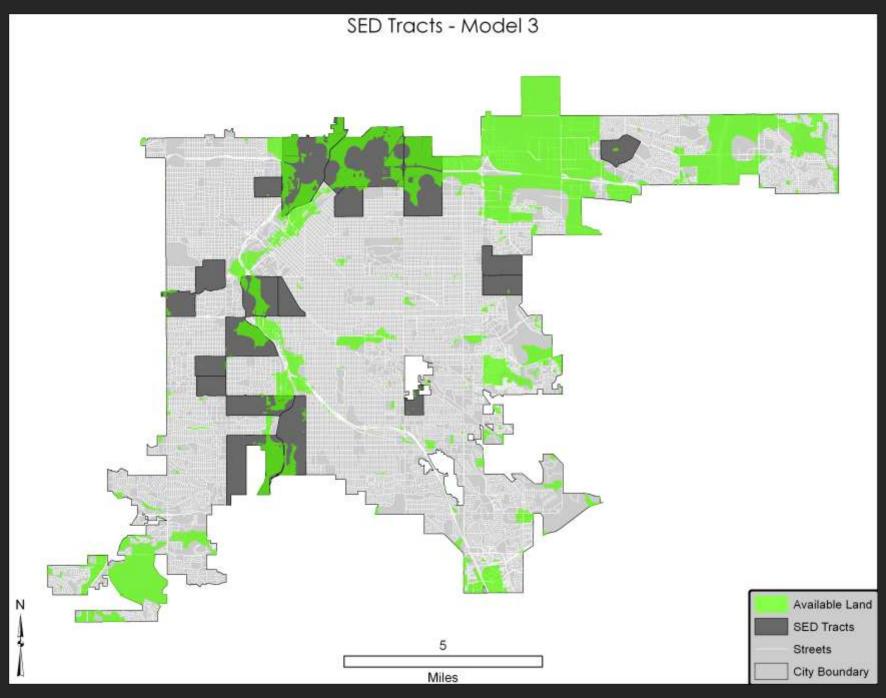
# INDEX OF SOCIOECONOMIC DISADVANTAGE (SED)

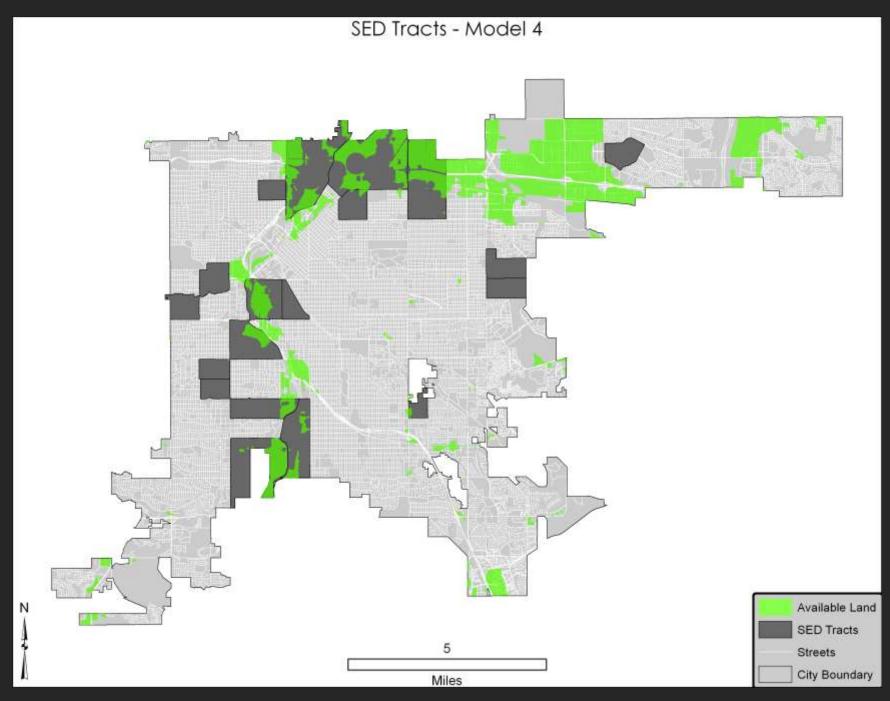
CONSTRUCT	VARIABLES	DENVER AVG/MEDIAN
WEALTH	Median household income	Below \$45,501
	Percentage below poverty	Above 19.2%
	Median value owner-occupied homes	Below \$240,000
	% of housing units owner-occupied	Below 52.5%
EDUCATION	% of adults 25+, completed High School	Below 84.0%
	% of adults 25+, completed Bachelor's	Below 40.1%
EMPLOYMENT	% of persons 16+ employed	Below 40.4%
	% of persons 16+ in exec, managerial, prof jobs	Below 91.2%











# ALLOWABLE LAND IN SED TRACTS VS NON-SED TRACTS

	Zoning Restrictions Only						
	SED	Tracts	Other				
	Acres	%	Acres	%			
MODEL A	4,974	62.2%	24,346	52.0%			
MODEL B	4,075	51.0%	12,158	26.0%			
MODEL C	4,005	50.1%	9,895	21.1%			
MODEL D	4,973	62.2%	24,344	52.0%			



# ALLOWABLE LAND IN SED TRACTS VS NON-SED TRACTS

	Location Restrictions Only						
	SED T	racts	Other				
	Acres	%	Acres	%			
MODEL A	3,608	45.1%	15,720	33.6%			
MODEL B	7,345	91.9%	41,671	89.1%			
MODEL C	2,699	33.8%	11,390	24.3%			
MODEL D	2,535	31.7%	10,751	23.0%			



# ALLOWABLE LAND IN SED TRACTS VS NON-SED TRACTS

	Zoning + Location Restrictions						
	SED T	racts	Other				
	Acres	%	Acres	%			
MODEL A	3,608	45.1%	15,720	33.6%			
MODEL B	3,441	43.1%	9,526	20.4%			
MODEL C	2,304	28.8%	5,270	11.3%			
MODEL D	2,533	31.7%	10,747	23.0%			



### ALLOWABLE LAND IN SED TRACTS VS NON-SED TRACTS

	Z	oning Rest	trictions On	nly	Lo	cation Res	on Restrictions Only Zoning + Location Restri			ion Restric	tions	
	SED Tracts		Oth	ner	SED T	racts	Oth	ner	SED 1	Tracts	Ot	her
	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%	Acres	%
MODEL A	4,974	62.2%	24,346	52.0%	3,608	45.1%	15,720	33.6%	3,608	45.1%	15,720	33.6%
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### jeremy.nemeth@ucdenver.edu

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