GIS & Statistical Analysis of Winona County Underage Drinking Offenses in the Wake of Judicial Policy Change

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AGENDA

- Definitions
- Research and Historical Background
- Data Collection and Analysis Process
- Results & Conclusions
  - Location
  - Recidivism
  - Severity
- What's Next

DEFINITIONS

- Petty Misdemeanor, Misdemeanor & “Payable”
- Minor/Juvenile versus Underage Person
- Alcohol Offense

THE UNDERAGE CONSUMPTION PROBLEM

- Identified as a public health problem (US Department of Health, 2012)
- Alcohol is the most widely used substance of abuse among underage persons (US Department of Health, 2012)
- Underage persons consume alcohol less frequently and in less quantity, but are more likely to binge drink (US Department of Health, 2012)
- Most successful effort in reducing underage consumption has been to increase legal drinking age to 21 (Wagenaar & Toomey, 2002)
- Alcohol is the leading contributor to fatal injuries in underage persons (US Department of Health, 2012)
- 2006: nearly $27 billion spent as a result of excessive alcohol consumption (Bouchery, et al, 2011

LEGAL HISTORY OF UNDERAGE CONSUMPTION

- United States Constitution
  - 18th Amendment: Prohibition (effective 1920)
  - 21st Amendment: Federal Prohibition Repealed (1933)
  - 26th Amendment: Voting age lowered to 18 (many states also lowered minimum legal drinking age (MLDA))
- Minimum Legal Drinking Age law (1984): withheld 10% of highway funds from states with MLDA under 21 (23 USCA 158)
- 1985: Minnesota complied with federal law (Minn. Stat. 340A.503)
- January 1, 2009: Statewide Payables List mandatory for all counties (Judicial Council Policy 506.1)

DATA COLLECTION

- 3 electronic records management systems (Odyssey, CIS, and MCAPS) and physical files from two agencies (Court Administration and Winona County Attorney's Office)
- Data Collected: Defendant's name, court file, charges filed, offense date, case disposition, date of birth, prior and future offense counts, alcohol concentration, law enforcement incident number and agency, location of offense
- Information from Odyssey first, then CIS, MCAPS, County Attorney physical files, and Court Administration physical files

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	Offender	CourtFile	Filed	Type	ChargedOff	ChargedSev	Offense	Disposition	DispoOffen	DispoSeveri	DOB	Age	Priors	Future	Total	Disposition	BAC	BACStatus	ICR	Jurisdiction	Address	City	State	Zip
350	JOSEPH RYAN ZIEGLER	85-CR-07-2429	8/8/2007	Criminal	Minor Cons	MD	8/3/2007	Convicted	Minor Cons	MD	7/24/1983	18.04	1	0	2	8/20/2007	0.059	Provided	7017214	Winona	511 E. 5th St.	Winona	MN	55987
351	CALEB JAMES MIKKELSON	85-VB-07-2329	7/18/2007	Payable	Underage C	MD	7/7/2007	Convicted	Underage C	PM	6/26/1983	18.04	1	0	2	8/3/2007	0.012	Provided	7000366	Goodview	4140 W. 7th St.	Goodview	MN	55987
352	Alexander Mark Wallner	85-VB-09-2138	8/26/2009	Payable	Underage C	MD	8/20/2009	Convicted	Underage C	PM	8/10/1991	18.04	0	0	1	9/2/2009	0.162	Provided	9013552	Winona	Lake / Franklin	Winona	MN	55987
353	Gizelle Otterness	85-VB-07-2025	6/14/2007	Payable	Underage C	MD	6/3/2007	Convicted	Underage C	PM	5/20/1983	18.05	1	2	4	6/21/2007	0.13	Provided	7006729	County	32141 Co. Rd. 5	La Crescent	MN	55947
354	Megan Leigh Flanigan	85-VB-09-2481	9/23/2009	Payable	Underage C	MD	9/6/2009	Convicted	Underage C	PM	8/23/1991	18.05	0	0	1	10/2/2009	0.054	Provided	9006554	County	34748 Homer Rd.	Winona	MN	55987
355	Brandon John Boldt	85-VB-10-2929	9/2/2010	Payable	Minor Cons	MD	8/28/2010	Convicted	Minor Cons	PM	8/12/1992	18.05	0	0	1	9/15/2010	0.034	Provided	10011524	Winona	8th St. & Lafayette St.	Winona	MN	55987
356	Brittany Leigh Wastart	85-VB-09-2234	9/9/2009	Payable	Underage C	MD	8/26/2009	Convicted	Underage C	PM	8/8/1991	18.06	0	0	1	9/29/2009	0.216	Provided	9014036	Winona	457 Gould ST.	Winona	MN	55987
357	Steven Ray Keil	85-VB-07-2420	7/26/2007	Payable	Underage C	MD	7/20/2007	Convicted	Underage C	PM	6/29/1983	18.07	0	0	1	8/6/2007	0.081	Provided	7016121	Winona	477 W. 5th St.	Winona	MN	55987
358	Jeffrey David Walters	85-CR-08-629	3/5/2008	Criminal	Underage Di	MD	3/2/2008	Convicted	Minor Cons	MD	2/8/1990	18.07	1	1	3	6/13/2008	0.012	Provided	8004467	Winona	Franklin / Sarnia	Winona	MN	55987
359	Nathaniel Burr St. Mane	85-VB-07-2290	7/13/2007	Payable	Underage C	MD	7/5/2007	Convicted	Underage C	PM	6/11/1983	18.08	1	4	6	8/23/2007	0.11	Provided	7002165	St. Charles	Oasis Parking Lot	St. Charles	MN	55972
360	Kelsey Rose Pronschinske	85-VB-07-2545	8/7/2007	Payable	Underage C	MD	7/29/2007	Convicted	Underage C	PM	7/4/1983	18.08	0	0	1	8/14/2007	0.123	Provided	7016576	Winona	5th / Huff	Winona	MN	55987
361	MADELINE MAE MILLER	85-VB-09-3318	11/23/2009	Payable	Underage C	MD	10/13/2009	Convicted	Underage C	PM	9/18/1991	18.08	0	0	1	12/9/2009	0.021	Provided	9017135	Winona	409 Grand St.	Winona	MN	55987
362	Nathan R Carlson	85-VB-08-3546	12/29/2008	Payable	Underage C	MD	12/16/2008	Convicted	Underage C	PM	11/20/1990	18.08	0	0	1	1/5/2009	0.1	Provided	8026486	Winona	723 E. 6th	Winona	MN	55987
363	Michael Andrew Rivard	85-VB-10-3043	9/9/2010	Payable	Minor Cons	MD	8/22/2010	Convicted	Minor Cons	PM	7/21/1992	18.10	0	0	1	9/20/2010	0.018	Provided	10005860	County	W. Wabasha St. & Johnson st.	Winona	MN	55987
364	Chase Thomas Bratland	85-VB-08-3284	12/3/2008	Payable	Underage C	MD	11/29/2008	Convicted	Underage C	PM	10/26/1990	18.11	0	1	2	12/15/2008	0.032	Provided	8025687	Winona	1325 Crocus Cir.	Winona	MN	55987
365	LAUREN ELIZABETH YURICK	85-VB-09-2374	9/15/2009	Payable	Underage C	MD	8/29/2009	Convicted	Underage C	PM	7/26/1991	18.11	0	0	1	9/17/2009	0.072	Provided	9014133	Winona	7th / Washington	Winona	MN	55987
366	Alyssa Renee Johnson	85-VB-07-2906	9/13/2007	Payable	Underage C	MD	9/8/2007	Convicted	Underage C	PM	8/4/1983	18.11	0	1	2	9/18/2007	0.166	Provided	7020464	Winona	9th / Harriet	Winona	MN	55987
367	Jamison Joel Murphy	85-VB-09-1485	6/17/2009	Payable	Underage Po	MD	5/28/2009	Convicted	Underage Po	PM	4/24/1991	18.11	0	0	1	6/26/2009	Possess	Possession	9101566	State Patrol	I-90 WB, MP 275			
368	Xenia Benitez	85-VB-08-3258	11/20/2008	Payable	Underage C	MD	11/9/2008	Convicted	Underage C	PM	10/4/1990	18.11	0	0	1	12/12/2008	0.114	Provided	8024502	Winona	10th / Wilcie	Winona	MN	55987
369	Tanner Todd Richard Stussy	85-VB-10-2952	9/3/2010	Payable	Minor Cons	MD	8/28/2010	Warrant			7/18/1992	18.12	0	0	1		0.036	Provided	10011528	Winona	123 E. 10th St.	Winona	MN	55987
370	Courtney Marie Jeseritz	85-VB-07-2937	9/19/2007	Payable	Underage C	MD	9/7/2007	Convicted	Underage C	PM	7/28/1983	18.12	0	1	2	9/24/2007	0.089	Provided	7120447	State Patrol	Harriet / Sandborn	Winona	MN	55987
371	Bradley Michael Suchla	85-CR-07-3927	12/21/2007	Criminal	Minor Cons	MD	11/28/2007	Convicted	5th Deg. Ass	MD	10/17/1983	18.13	3	5	9	2/21/2008	0.224	Provided	7027380	Winona	69 W. 3rd St.	Winona	MN	55987
372	Justin Lee Skroch	85-VB-08-1158	4/29/2008	Payable	Underage C	MD	4/27/2008	Convicted	Underage C	PM	3/17/1990	18.13	0	1	2	5/16/2008	0.05	Provided	8008348	Winona	Bandshell Parking Lot	Winona	MN	55987
373	Kyle Michael Jumbeck	85-VB-10-1633	6/3/2010	Payable	Minor Cons	MD	5/31/2010	Convicted	Minor Cons	PM	4/18/1992	18.13	0	0	1	6/14/2010	0.043	Provided	10006350	Winona	Hwy 61 & Orrin St.	Winona	MN	55987
374	Garit Steven Tenpas	85-VB-10-2932	9/3/2010	Payable	Minor Cons	MD	8/29/2010	Convicted	Minor Cons	PM	7/16/1992	18.13	0	0	1	9/7/2010	0.184	Provided	10011534	Winona	265 W. 9th St.	Winona	MN	55987
375	Andrea Ruth Hardy	85-VB-09-1602	7/8/2009	Payable	Underage C	MD	6/7/2009	Convicted	Underage C	PM	4/19/1991	18.15	3	5	9	7/10/2009	0.007	Provided	9000368	St. Charles	473 Whitewater Ave.	St. Charles	MN	55972
376	Shannon Marie Stouthamer	85-VB-07-3305	10/26/2007	Payable	Underage C	MD	10/13/2007	Convicted	Underage C	PM	8/23/1983	18.15	0	0	1	11/14/2007	0.108	Provided	7023591	Winona	264 W. 11th St. (Sheehan Hall)	Winona	MN	55987
377	Daniel Douglas Lee	85-VB-07-2212	7/9/2007	Payable	Underage C	MD	7/4/2007	Convicted	Underage C	PM	5/14/1983	18.15	0	1	2	8/7/2007	0.026	Provided	7014771	Winona	366 Mankato Ave.	Winona	MN	55987
378	Bahly Dianne Breutzman	85-VB-09-2260	9/4/2009	Payable	Underage C	MD	8/28/2009	Convicted	Underage C	PM	7/8/1991	18.15	0	1	2	9/4/2009	0.064	Provided	9014114	Winona	114 W. 7th St.	Winona	MN	55987
379	Casey McCormick Corcoran	85-VB-09-2106	8/18/2009	Payable	Underage C	MD	8/11/2009	Convicted	Underage C	PM	6/18/1991	18.16	1	1	3	9/4/2009	Unconscious	Unable	9001524	St. Charles	473 E. 14th St.	St. Charles	MN	55972
380	Trenton Helmut Lueck	85-VB-07-2898	9/13/2007	Payable	Underage C	MD	9/7/2007	Convicted	Underage C	PM	7/13/1983	18.16	0	0	1	10/8/2007	0.16	Provided	7020450	Winona	8th / Wilson	Winona	MN	55987
381	Matthew Adank Beyerstedt	85-VB-08-3514	12/10/2008	Payable	Underage C	MD	11/29/2008	Convicted	Underage C	PM	10/3/1990	18.17	0	0	1	12/17/2008	0.064	Provided	8025687	Winona	1325 Crocus Cir.	Winona	MN	55987
382	Brittni Michelle Jezeesky	85-CR-08-2393	8/20/2008	Criminal	Minor Cons	MD	8/9/2008	Convicted	Minor Cons	MD	6/13/1990	18.17	1	0	2	9/9/2008	0.034	Provided	8017326	Winona	5th / Orrin	Winona	MN	55987
383	Katrina Tiffani Dornfeld	85-VB-09-1551	6/29/2009	Payable	Underage C	MD	6/22/2009	Convicted	Underage C	PM	4/21/1991	18.18	2	6	9	7/7/2009	0.158	Provided	9010050	Winona	6th / Walnut	Winona	MN	55987
384	Samuel Glenn Bradway	85-VB-10-3170	9/17/2010	Payable	Minor Cons	MD	9/11/2010	Convicted	Minor Cons	PM	7/8/1992	18.19	0	0	1	9/24/2010	0.147	Provided	10012178	Winona	Tau Center Rec Room	Winona	MN	55987
385	JACQUELYN ROSE LAUDENBACH	85-VB-07-2932	9/19/2007	Payable	Underage C	MD	9/8/2007	Convicted	Underage C	PM	7/4/1983	18.19	0	2	3	10/1/2007	0.045	Provided	7120463	State Patrol	420 Main St.	Winona	MN	55987
386	Ethan William Herber	85-VB-07-2330	7/18/2007	Payable	Underage C	MD	7/7/2007	Convicted	Underage C	PM	5/1/1983	18.19	0	1	2	8/3/2007	0.023	Provided	7000366	Goodview	4140 W. 7th St.	Goodview	MN	55987
387	Jesse Jerome Schomers	85-VB-10-1044	4/29/2010	Payable	Minor Cons	MD	4/11/2010	Convicted	Minor Cons	PM	2/4/1992	18.19	0	0	1	5/14/2010	0.140	Provided	10002163	County	Co Rd. 5 & Wof Hill Dr.	La Crescent	MN	55947
388	JOSHUA WILLIAM NORTON	85-VB-07-1472	5/7/2007	Payable	Underage C	MD	4/14/2007	Convicted	Underage C	MD	2/6/1983	18.19	0	2	3	5/18/2007	0.168	Provided	7001234	St. Charles	500 E. 14th St.	St. Charles	MN	55972
389	Joshua Joseph Kurtti	85-VB-09-2964	10/29/2009	Payable	Underage C	MD	10/2/2009	Convicted	Underage C	PM	7/26/1991	18.20	0	0	1	10/2/2009	0.08	Provided	9016193	Winona	114 W. 7th St.	Winona	MN	55987
390	Adrian Earl Heublein	85-VB-07-1538	5/16/2007	Payable	Underage C	MD	4/28/2007	Convicted	Underage C	PM	2/17/1983	18.20	0	0	1	5/24/2007	0.016	Provided	7001383	St. Charles	BP Station	St. Charles	MN	55972
391	JONATHAN DANIEL KISTLER	85-CR-08-3197	10/31/2008	Criminal	Underage Di	MD	8/23/2007	Convicted	Underage Di	MD	6/14/1983	18.20	2	0	3	3/16/2009	0.07	Provided	7102738	State Patrol	I-90, 1/4 mile E of Co. 12			
392	Dana Ellen Schlottman	85-VB-09-2373	9/15/2009	Payable	Underage C	MD	8/29/2009	Convicted	Underage C	PM	6/20/1991	18.21	0	3	4	9/22/2009	0.067	Provided	9014133	Winona	7th / Washington	Winona	MN	55987
393	Deni Jerkic	85-VB-08-3285	12/3/2008	Payable	Underage C	MD	11/29/2008	Convicted	Underage C	PM	9/19/1990	18.21	0	2	3	2/5/2009	0.02	Provided	8025687	Winona	1325 Crocus Cir.	Winona	MN	55987
394	Matthew Allen Lake	85-VB-07-2893	9/13/2007	Payable	Underage C	MD	9/7/2007	Convicted	Underage C	PM	6/27/1983	18.21	1	0	2	9/13/2007	0.12	Provided	7120445	State Patrol	7th / Harriet	Winona	MN	55987
395	Sarah Marie Reisdorf	85-VB-07-1237	4/13/2007	Payable	Underage C	MD	4/1/2007	Convicted	Underage C	PM	1/18/1983	18.21	0	0	1	4/27/2007	0.029	Provided	7001078	St. Charles	151 Clover St.	St. Charles	MN	55972
396	Isaac Theodore Sammis	85-VB-10-2966	9/3/2010	Payable	Minor Cons	MD	8/28/2010	Convicted	Minor Cons	PM	6/16/1992	18.21	0	0	1	9/8/2010	0.052	Provided	10011528	Winona	123 E. 10th St.	Winona	MN	55987
397	Matthew Thomas Ziegler	85-VB-09-2202	9/1/2009	Payable	Underage C	MD	8/28/2009	Convicted	Underage C	PM	6/16/1991	18.21	0	0	1	9/11/2009	0.112	Provided	9014131	Winona	410 Lafayette St.	Winona	MN	55987
398	Taryn Lea Lloyd	85-VB-09-3315	11/23/2009	Payable	Underage C	MD	10/18/2009	Convicted	Underage C	PM	8/5/1991	18.22	1	0	2	12/9/2009	0.102	Provided	9017135	Winona	409 Grand St.	Winona	MN	55987
399	Christopher Lee Gierok	85-VB-09-0105	1/20/2009	Payable	Underage C	MD	1/15/2009	Convicted	Underage C	PM	11/1/1990	18.22	1	1	3	1/27/2009	0.01	Provided	9000543	Winona	4th St./Washington St.	Winona	MN	55987
400	MICHAEL CARY MEREDITH	85-VB-09-2483	9/23/2009	Payable	Underage C	MD	9/6/2009	Convicted	Underage C	PM	6/22/1991	18.22	0	0	1	10/9/2009	0.036	Provided	9006554	County	34748 Homer Rd.	Winona	MN	55987
401	ERIC DARRELL LAEHN	85-VB-08-3547	12/29/2008	Payable	Underage C	MD	12/16/2008	Convicted	Underage C	PM	10/11/1990	18.22	0	3	4	1/16/2009	0.016	Provided	8026486	Winona	723 E. 6th	Winona	MN	55987
402	Jared Elliot Eason	85-CR-07-2426	8/7/2007	Criminal	Minor Cons	MD	7/29/2007	Convicted	Minor Cons	MD	5/11/1983	18.23	0	0	1	8/13/2007	0.129	Provided	7016766	Winona	Franklin / Sarnia	Winona	MN	55987
403	Garrett Fischer Reed	85-VB-09-0138	1/27/2009	Payable	Underage Di	MD	1/18/2009	Convicted	Underage Di	MD	10/31/1990	18.23	0	0	1	2/2/2009	0.075	Provided	9000715	Winona	6th St. / Vila St.	Winona	MN	55987
404	Caitlin Marie Mezera	85-VB-09-2371	9/15/2009	Payable	Underage C	MD	8/28/2009	Convicted	Underage C	PM	6/9/1991	18.23	0	0	1	9/22/2009	0.17	Provided	9014106	Winona	402 W. 8th	Winona	MN	55987
405	Isaac Gregory Burkhart	85-CR-07-223	1/12/2008	Criminal	Minor Cons	MD	8/13/2006	Convicted	Minor Cons	MD	5/23/1988	18.24	0	0	1	3/1/2007	0.059	Provided	6010387	County	13951 Hwy 74 (Whitewater Park Group)	St. Charles	MN	55972
406	Haylie Lynn Arens	85-VB-07-2736	8/29/2007	Payable	Underage C	MD	8/24/2007	Convicted	Underage C	PM	6/3/1983	18.24	0	0	1	9/10/2007	0.045	Provided	7019768	Winona	8th / Franklin	Winona	MN	55987
407	Kevin Anthony Brackin	85-VB-07-2422	7/26/2007	Payable	Underage C	MD	7/20/2007	Convicted	Underage C	PM	4/28/1983	18.24	0	0	1	8/22/2007	0.035	Provided	7016121	Winona	477 W. 5th St.	Winona	MN	55987
408	CHRISTOPHER DALE NATION	85-VB-07-804	3/9/2007	Payable	Underage C	MD	3/5/2007	Convicted	Underage C	PM	12/11/1988	18.24	0	2	3	3/30/2007	0.26	Provided	7002388	County	23418 Hartwood Dr.	Lewiston	MN	55952
409	Zachary James Schossow	85-VB-09-2521	9/23/2009	Payable	Underage C	MD	9/3/2009	Convicted	Underage C	PM	6/17/1991	18.24	2	5	8	12/4/2009	0.112	Provided	9014334	Winona	527 W. 10th	Winona	MN	55987

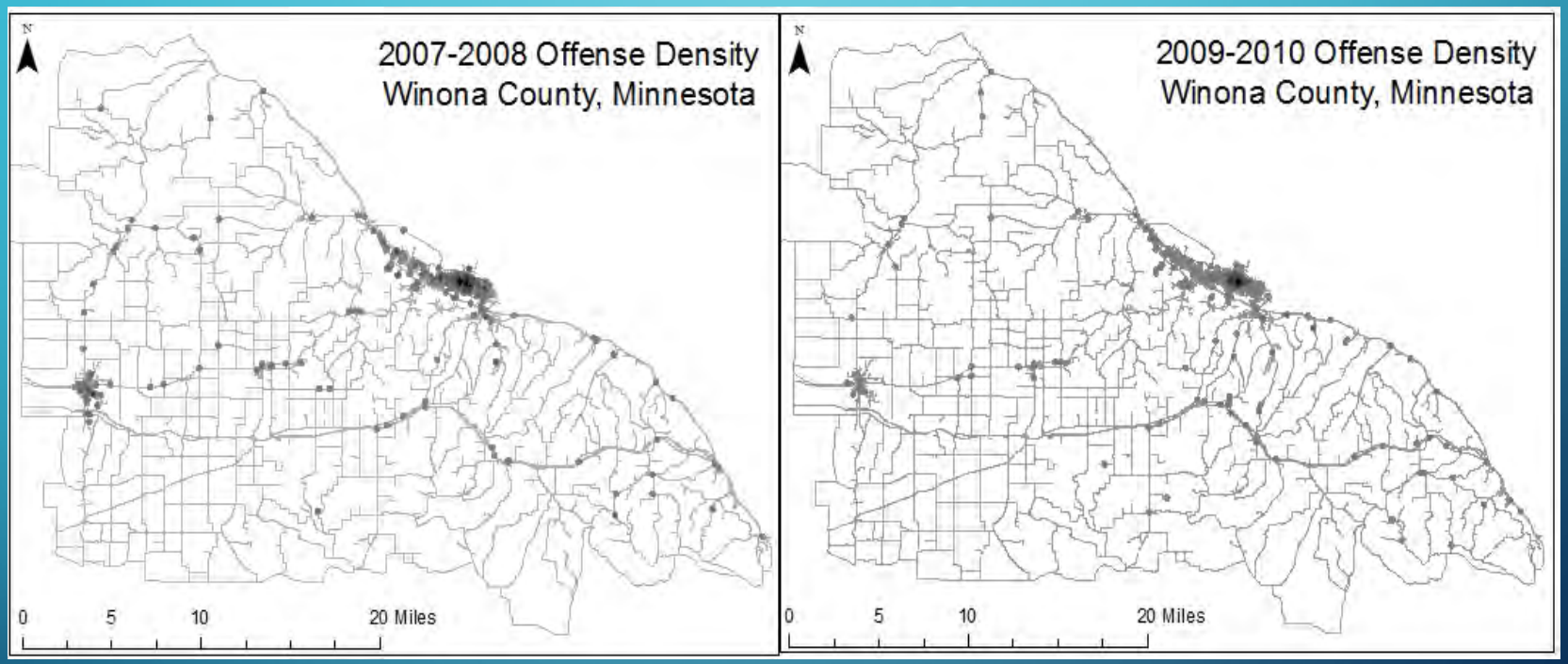
DATA COLLECTION: POTENTIAL ERRORS

- Incorrect data entry into electronic records management systems Missed cases filed
- Missed age of offender
- Incorrect data entry into spreadsheet

DATA ANALYSIS

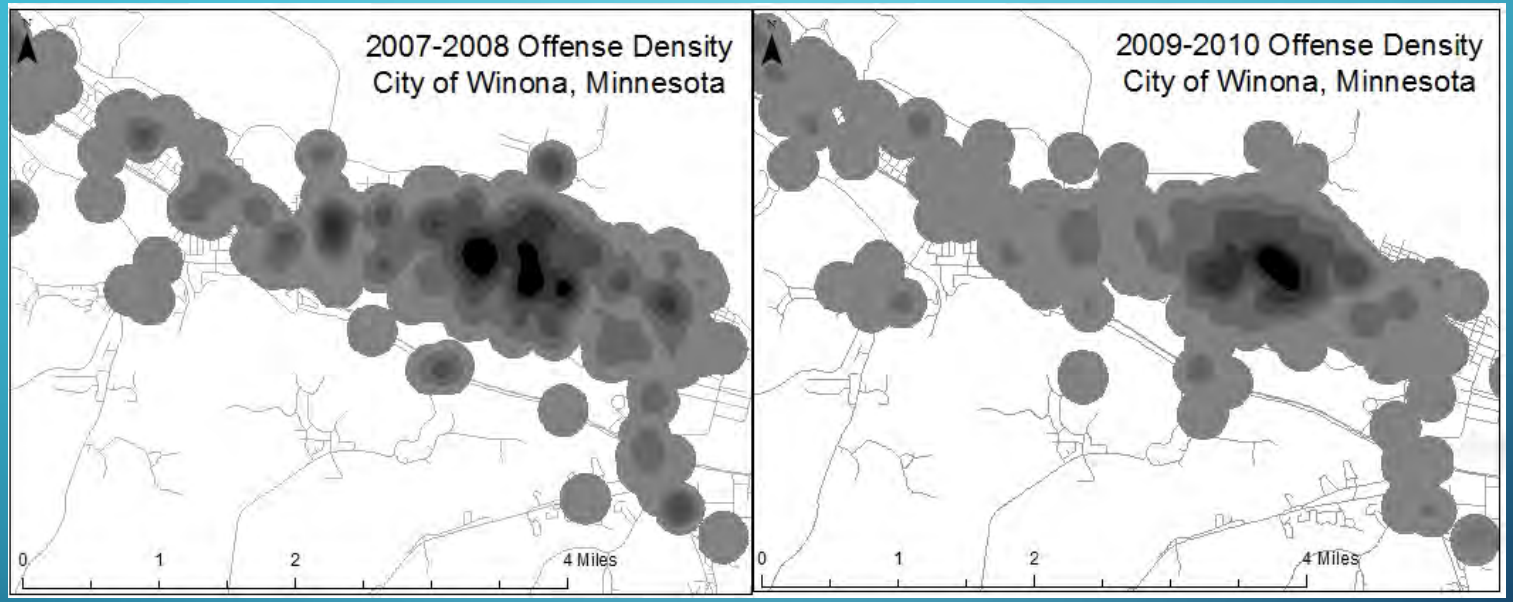
- Manually plotted into ESRI ArcMap software
- Offense assigned severity
- Kernel Density analysis through ArcMap
- Statistical analysis through Excel
- Statistical analysis through SPSS (Mann-Whitney)
- For statistical analysis, separated by juvenile or adult and first time or repeat offender

RESULTS: OFFENSE LOCATION



- Both maps show density in Winona and St. Charles, remaining offenses spread throughout County (major population areas)
- Offenses along major roads (DWI enforcement)

RESULTS: OFFENSE LOCATION



- Same areas of offenses
- 2009-2010 more condensed

CONCLUSIONS: OFFENSE LOCATION

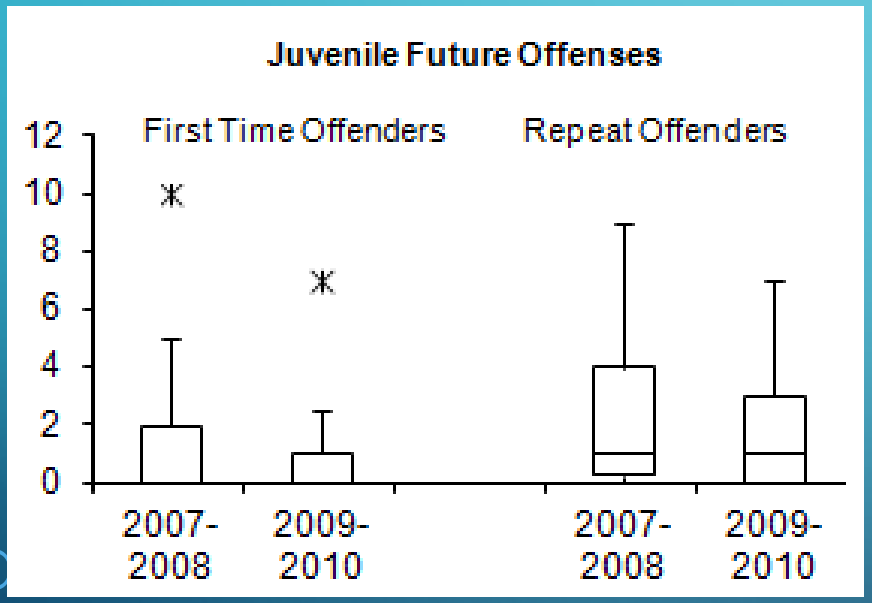
- Some shift (condensed) seen within the City of Winona
- Unknown cause (not part of this research)
  - Change in law enforcement strategy
  - Social Host ordinance
  - Rental housing/zoning impact

RESULTS: RECIDIVISM

	Juvenile						Adult					
	2007-2008			2009-2010			2007-2008			2009-2010		
	First Time	Repeat	All	First Time	Repeat	All	First Time	Repeat	All	First Time	Repeat	All
Offenses	141	54	195	95	49	144	485	304	789	736	392	1128
Age	16.67	16.81	16.71	16.85	16.97	16.89	19.43	19.69	19.53	19.47	19.77	19.58
Prior Offenses	N/A	1.5	0.42	N/A	0.74	0.6	N/A	1.92	0.74	N/A	1.86	0.65
Future Offenses	1.16	2.29	1.47	0.79	2.02	1.21	0.43	1.08	0.68	0.39	0.77	0.52
Total	2.16	4.78	2.88	1.78	4.78	2.81	1.43	4.00	2.42	1.39	3.63	2.17

RESULTS: RECIDIVISM (JUVENILE)

JUVENILE FUTURE OFFENSES



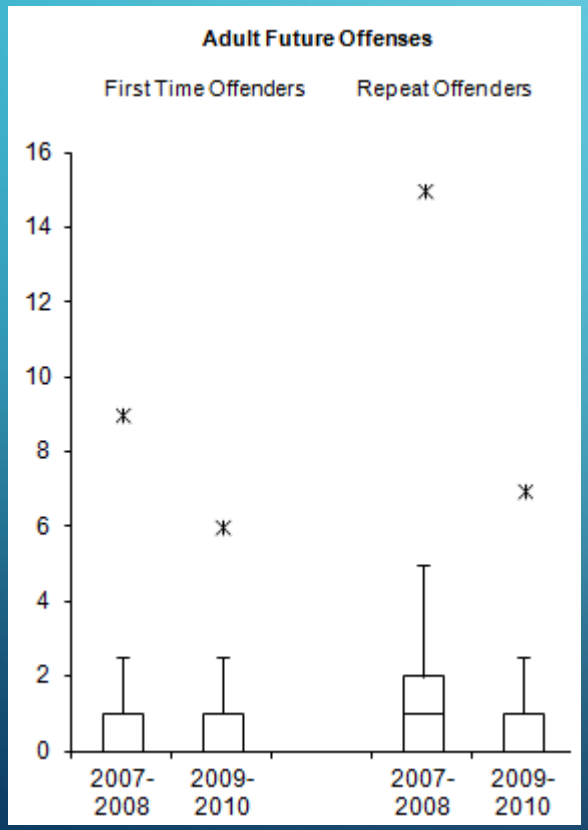
JUVENILES COMMITTING NO FUTURE OFFENSES

	#	Total	%
First Time Offenders			
2007-2008	74	141	54.48
2009-2010	56	95	58.95
Repeat Offenders			
2007-2008	14	54	25.93
2009-2010	19	49	38.78

- 1.16 → 0.79 average future offenses for first time offenders
- 2.29 → 2.02 average future offenses for repeat offenders
- Most offenders were first-time offenders (72% and 66%)

RESULTS: RECIDIVISM (ADULT)

ADULT FUTURE OFFENSES



ADULTS COMMITTING NO FUTURE OFFENSES

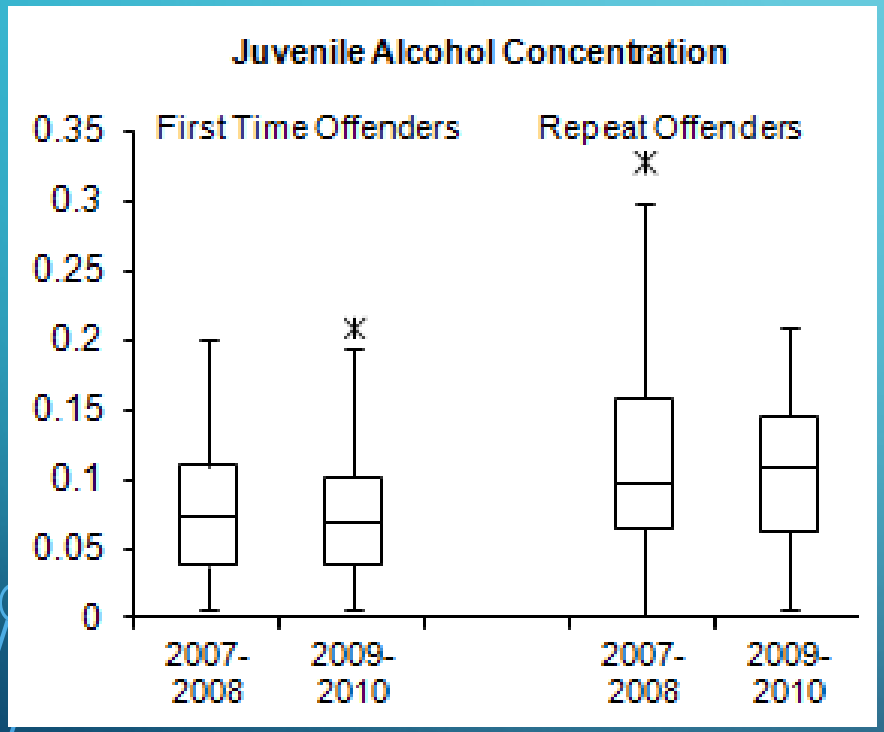
	#	Total	%
First Time Offenders			
2007-2008	346	485	71.34
2009-2010	535	736	72.69
Repeat Offenders			
2007-2008	138	304	45.39
2009-2010	219	392	55.87

- 0.43 → 0.39 average future offenses for first time offenders
- 1.08 → 0.77 average future offenses for repeat offenders
- Most offenders were first-time offenders (61% and 65%)

CONCLUSIONS: RECIDIVISM

- First-time offenders committed majority of offenses charged (64.58%)
- First-time offenders less likely than future offenders to commit future offenses
- Adult offenders less likely than juvenile offenders to commit future offenses

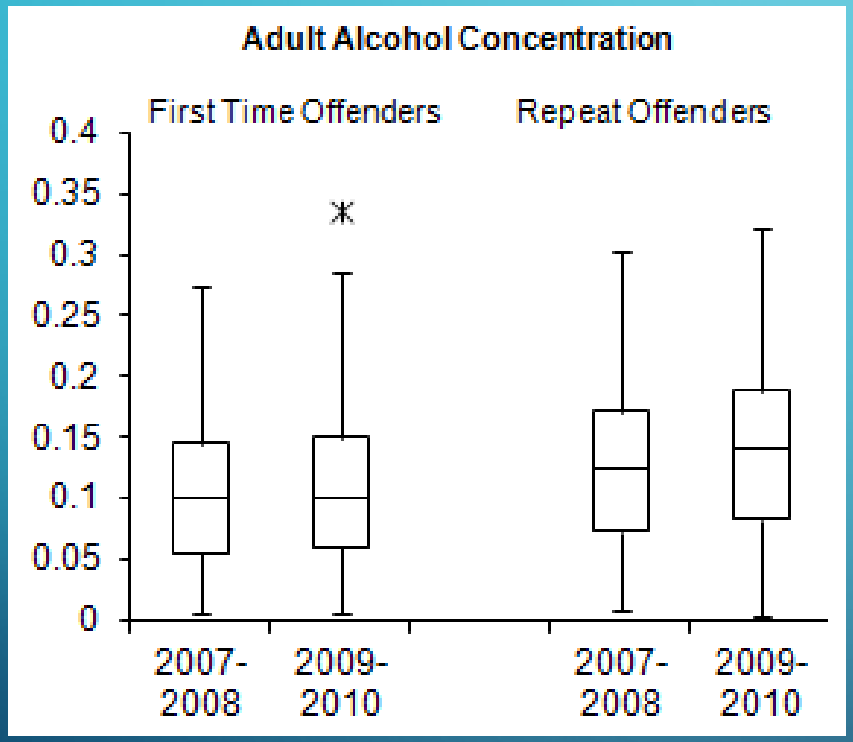
RESULTS: OFFENSE SEVERITY (JUVENILE)



	2007-2008	2009-2010
Unknown or Possession	6 (3.08%)	4 (2.78%)
Uncooperative	7 (3.59%)	7 (4.86%)
Unable to Test	3 (1.54%)	1 (0.69%)

- Overall average alcohol concentration 0.089 → 0.087
- First-time: 0.08 → 0.078
- Repeat: 0.114 → 0.106
- Concerning: all unable to test offenders were first-time offenders

RESULTS: OFFENSE SEVERITY (ADULT)



	2007-2008	2009-2010
Unknown or Possession	35 (4.44%)	61 (5.41%)
Uncooperative	16 (2.03%)	28 (2.48%)
Unable to Test	5 (0.63%)	16 (1.42%)

- Overall average alcohol concentration: 0.112 → 0.118
- First-Time: 0.105 → 0.108
- Repeat: 0.125 → 0.137
- Concerning: Dramatic increase in offenders unable to test

RESULTS: OFFENSE SEVERITY

	2007-2008	2009-2010
Low	**380 (39.01%)**	**444 (34.93%)**
Juvenile	92 (47.18%)	71 (49.31%)
Adult	288 (36.5%)	373 (33.07%)
Medium	**512 (52.57%)**	**678 (53.27%)**
Juvenile	92 (47.18%)	67 (46.53%)
Adult	420 (53.23%)	612 (54.17%)
High	**92 (9.45%)**	**150 (11.8%)**
Juvenile	11 (5.64%)	6 (4.17%)
Adult	81 (10.27%)	144 (12.77%)

- For adults and overall:
  - % Low severity offenses decreased
  - % Medium and high severity offenses increased
- For juveniles:
  - % Low severity offenses increased
  - % Medium and high severity offenses decreased

CONCLUSIONS: OFFENSE SEVERITY

- Most offenses committed by adults
- More offenses were charged in 2009-2010
- The percentage of higher severity offenses in 2009-2010 increased from 2007-2008
- Dramatic increase in offenders who were unable to test is particularly concerning

WHAT'S NEXT?
. . . MORE RESEARCH!

- Offender Sentencing
- Repeat Offender Progression
- University Sanctions
- Social Host – impact on location?
- Rental Housing/Zoning – impact on location?
- Hospitalization/Detoxification Trends
- Ongoing Data Collection

THANK YOU!

- Caitlyn Hageman & Kyle Weaver (Winona County Attorney's Office interns)
- Mary Kirschman (Winona County Sheriff's Office)
- Winona County Court Administration
- Winona County GIS Department
- The Honorable Jeffrey D. Thompson, Chief Judge of the Third Judicial District
- Karin Sonneman, Winona County Attorney
- John Ebert, GIS Director, Saint Mary's University of Minnesota

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QUESTIONS?