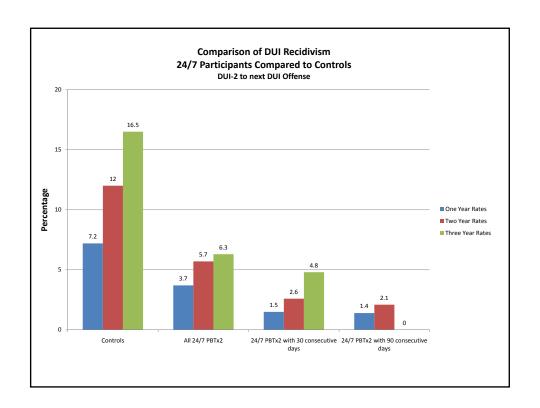
## South Dakota 24/7 Sobriety Program

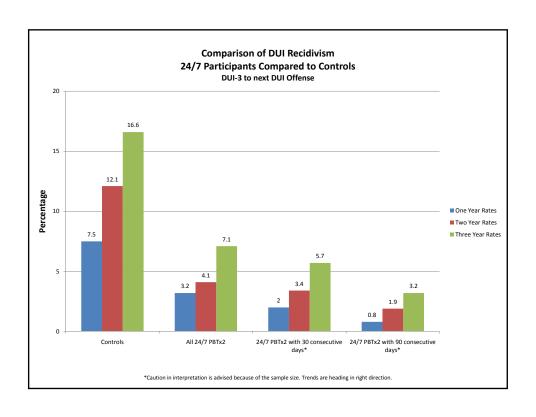
## Comparison of 24/7 Recidivism Rates July 2009

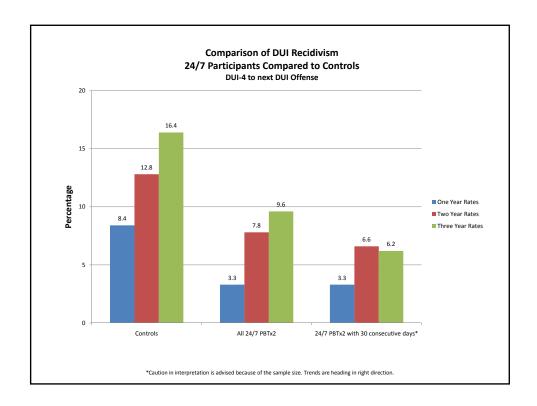
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## **Analysis Methods and Explanation**

- The following analysis compares 24/7 Participants who participated in the 24/7 program with twice a day testing (PBTx2) to controls (non-24/7 participants)
- The comparison analysis is presented on the following three levels
  - Any 24/7 participation
  - 24/7 participants with at least 30 days of consecutive testing on the program
  - 24/7 participants with at least 90 days of consecutive testing on the program
- Recidivism comparisons are made for recidivism based on arrest to future arrest at 1 year, 2 years, and 3 years
- Controls are drawn from the South Dakota Unified Judicial System database under a data use and confidentiality agreement
- Recidivism data is cut as of 12/31/2008 (latest data available for analysis)







## **Summary of Findings**

- Compared to non 24/7 participants, arrest to arrest (next DUI offense) recidivism is substantially lower for 24/7 participants at 1, 2 and 3 years.
- Even lower rates are documented for individuals that have 30 and 90 days of consecutive twice a day testing on the program.
- Note: The small sample size available for analysis at 2 and 3 years should be considered for PBTx2 30 and 90 consecutive days and the rates may change as more data is available for inclusion in the analysis.

One Year Controls  DUI Level n n recid % recid				All PBTx2	ants	PBTx2 with at least 30 consecutive days of tests			PBTx2 with at least 90 consecutive days of tests			
				n n recid % recid			n n recid % recid		n n recid % recid			
1	22466	1665	7.4%	433	28	6.5%	227	10	4.4%	31	2	6.59
2	4065	292	7.2%	774	29	3.7%	389	6	1.5%	139	2	1.49
3	1502	112	7.5%	529	17	3.2%	298	6	2.0%	133	1	0.89
4	498	42	8.4%	182	6	3.3%	90	3	3.3%	35	0	0.09
5	28	2	7.1%	42	1	2.4%	23	0	0.0%	5	0	0.09
Two Year Co						0/ 11			0/ 11			٠,
DUI Level 1	n 17956	n recid 1	% recia 13.1%	n 149	n recid 21	% recid 14.1%	n n	recid 7	% recid 11.1%	n n	recid 3	% recid 21.49
2	3564	426	12.0%	335	19	5.7%	154	4	2.6%	47	1	21.47
3	1424	173	12.1%	296	12	4.1%	147	5	3.4%	54	1	1.99
4	486	62	12.8%	115	9	7.8%	61	4	6.6%	22	0	0.09
5	22	2	9.1%	24	0	0.0%	15	0	0.0%	2	0	0.09
Three												
Year Co	ntrols n	n recid '	2/ rocid	n	n recid	% recid	n n	recid	% recid	n n	recid	% recid
DOI LEVEI	12805	2312	18.1%	40	8	20.0%	12	3	25.0%	4	0	0.09
2	2831	466	16.5%	95	6	6.3%	42	2	4.8%	16	0	0.09
3	1239	206	16.6%	98	7	7.1%	53	3	5.7%	31	1	3.29
4	439	72	16.4%	52	5	9.6%	32	2	6.2%	14	0	0.09
5	9	1	11.1%	5	0	0.0%	3	0	0.0%	1	0	0.09