

Table 7  
Data Quality

<u>Demographics</u>	<u>Respondents</u>	<u>%</u>	<u>1990 Census</u>	<u>%</u>
Gender				
Male	1776	45.7	3,251,169	47.6
Female	2111	54.3	3,582,405	52.4
Race				
White	3349	86.8	5,802,381	84.9
Black	305	7.9	870,871	12.7
Other	206	5.3	160,322	2.3
Hispanic	78	2.0	114,980	1.7
Age				
18-29	735	19.0	1,754,412	25.7
30-49	1796	46.4	2,750,652	40.3
50-64	826	21.3	1,221,492	17.9
More than 65	514	13.3	1,107,018	16.2
Education				
Less than High School	214	5.5	1,056,749	19.1
High School/GED	1456	37.5	1,887,448	34.1
Some College	1198	30.8	1,584,387	28.6
Bachelors Degree	557	14.3		
Graduate Study/Degree	459	11.8	1,014,047	18.3*
Household Income**				
Less than \$25,000	814	26.5	1,389,239	40.6
\$25,000 to \$49,999	1102	35.8	1,164,313	34.0
\$50,000 to \$99,999	926	30.1	741,897	21.6
\$More than \$100,000	232	7.5	128,673	3.8

\* The census reports the top category as “bachelors, graduate, or professional degree.”

\*\*The deviation of respondents from census income categories is due in part to inflation since 1990.

Table 7–Data Quality, continued  
Geographic Distribution

<u>County</u>	Projected		Actual		<u>County</u>	Projected		Actual	
	<u>Count</u>	<u>%</u>	<u>Count</u>	<u>%</u>		<u>Count</u>	<u>%</u>	<u>Count</u>	<u>%</u>
Algona	4	0.1	5	0.1	Lake	4	0.1	5	0.1
Alger	4	0.1	5	0.1	Lapeer	32	0.8	40	1.0
Allegan	39	1.0	42	1.1	Leelanau	8	0.2	9	0.2
Alpena	12	0.3	10	0.3	Lenawee	35	0.9	33	0.8
Antrim	8	0.2	9	0.2	Livingston	51	1.3	73	1.9
Arenac	4	0.1	7	0.2	Luce	4	0.1	3	0.1
Baraga	20	0.5	3	0.1	Mackinac	4	0.1	7	0.2
Barry	47	1.2	23	0.6	Macomb	311	7.9	263	6.7
Bay	8	0.2	55	1.4	Manistee	12	0.3	7	0.2
Benzie	67	1.7	8	0.2	Marquette	28	0.7	47	1.2
Berrien	16	0.4	79	2.0	Mason	12	0.3	19	0.5
Branch	59	1.5	20	0.5	Mecosta	16	0.4	23	0.6
Calhoun	20	0.5	47	1.2	Menominee	12	0.3	22	0.6
Cass	12	0.3	23	0.6	Midland	35	0.9	39	1.0
Charlevoix	12	0.3	14	0.4	Missaukee	4	0.1	7	0.2
Cheboygan	12	0.3	11	0.3	Monroe	55	1.4	40	1.0
Chippewa	12	0.3	17	0.4	Montcalm	20	0.5	22	0.6
Clare	12	0.3	19	0.5	Montmorency	4	0.1	4	0.1
Clinton	24	0.6	42	1.1	Muskegon	67	1.7	76	1.9
Crawford	4	0.1	2	0.1	Newaygo	16	0.4	27	0.7
Delta	16	0.4	29	0.7	Oakland	505	12.8	411	10.4
Dickinson	12	0.3	13	0.3	Oceana	8	0.2	11	0.3
Eaton	39	1.0	38	1.0	Ogemaw	8	0.2	10	0.3
Emmet	12	0.3	8	0.2	Ontonagon	4	0.1	4	0.1
Genesee	181	4.6	191	4.8	Osceola	8	0.2	9	0.2
Gladwin	12	0.3	13	0.3	Oscoda	4	0.1	12	0.3
Gogebic	8	0.2	5	0.1	Otsego	8	0.2	3	0.1
Grand Traverse	32	0.8	32	0.8	Ottawa	79	2.0	99	2.5
Gratiot	16	0.4	16	0.4	Presque Isle	8	0.2	4	0.1
Hillsdale	16	0.4	23	0.6	Roscommon	12	0.3	37	0.9
Houghton	16	0.4	23	0.6	Saginaw	87	2.2	126	3.2
Huron	16	0.4	8	0.5	St. Clair	63	1.6	91	2.3
Ingham	114	2.9	100	2.5	St. Joseph	24	0.6	2	0.1
Ionia	20	0.5	14	0.4	Sanilac	16	0.4	1	0.0
Iosco	8	0.2	9	0.2	Schoolcraft	4	0.1	6	0.2
Iron	8	0.2	25	0.6	Shiawassee	28	0.7	26	0.7
Isabella	20	0.5	32	0.8	Tuscola	24	0.6	23	0.6
Jackson	63	1.6	68	1.7	Van Buren	28	0.7	28	0.7
Kalamazoo	99	2.5	87	2.2	Washtenaw	122	3.1	112	2.8
Kalkaska	4	0.1	12	0.3	Wayne	840	21.3	673	17.1
Kent	213	5.4	198	5.0	Wexford	12	0.3	13	0.3
Keweenaw	0	0.0	0	0.0					

Table 8  
Comparison of Weighted and Unweighted SOGS Scores

	Lifetime Prevalence			Current Prevalence		
	<u>0-2</u>	<u>3-4</u>	<u>5+</u>	<u>0-2</u>	<u>3-4</u>	<u>5+</u>
unweighted	94.9	3.2	2.0	96.7	2.1	1.3
weight by race	94.3	3.5	2.2	96.1	2.4	1.5
weight by income	94.1	3.7	2.2	96.1	2.4	1.5
weight by education	94.4	3.4	2.3	96.2	2.4	1.3

Table 9  
Gambling Prevalence and  
South Oaks Gambling Screen Scores for Michigan

**A. State of Michigan**

<u>Gambling Experiences</u>	<u>n</u>	<u>%</u>				
Ever						
Yes	3331	84.5				
No	611	15.5				
Past Year						
Yes	3031	76.9				
No	911	23.1				
	<u>Lifetime SOGS Score</u>			<u>Current SOGS Score</u>		
	0-2	3-4	5+	0-2	3-4	5+
n	3740	125	77	3810	82	50
percent	94.9	3.2	2.0	96.7	2.1	1.3
Estimate in state	218,674	136,672		143,505	88,837	
Estimated total problem gamblers	355,346			232,342		

**B. Geographic Regions of Michigan**

	<u>Lifetime SOGS Score %</u>			<u>Current SOGS Score %</u>			<u>n</u>
	0-2	3-4	5+	0-2	3-4	5+	
Upper Pen.	97.1	1.9	1.0	96.7	2.4	1.0	209
Wayne Cnty	92.0	5.1	3.0	95.2	2.1	2.7	673
Det. Metro/ excl. Wayne Cnty.	94.3	3.9	1.8	96.4	2.8	0.8	1,030
East Region	96.3	1.9	1.7	97.3	1.9	0.7	977
West Region	95.6	2.9	1.5	97.3	1.4	1.2	972

Table 10  
 Estimates of Statewide Prevalence of  
 Problem and Probable Pathological Gambling

		<u>Lifetime Prevalence (%)</u>	<u>Current Prevalence (%)</u>
Panel A. Chronological Order			
1986	New York	4.2	
1988	New Jersey	4.2	
1988	Maryland	3.9	
1989	Massachusetts	4.4	
1989	Iowa	1.7	
1990	California	4.1	
1990	Minnesota		1.6
1991	South Dakota	2.8	1.4
1991	Connecticut	6.3	
1992	Texas	4.8	2.5
1992	Washington	5.1	2.8
1992	Montana	3.6	2.2
1992	North Dakota	3.5	2.0
1993	South Dakota	2.3	1.2
1994	Georgia	4.4	2.3
1994	Minnesota		3.2
1995	Louisiana	7.0	4.8
1995	Iowa	5.4	3.3
1996	New York	7.3	3.6
1997	<b>Michigan</b>	5.2	3.4
Panel B. Ranked by Lifetime Prevalence			
1996	New York	7.3	3.6
1995	Louisiana	7.0	4.8
1991	Connecticut	6.3	
1995	Iowa	5.4	3.3
1997	<b>Michigan</b>	5.2	3.4
1992	Washington	5.1	2.8
1992	Texas	4.8	2.5
1989	Massachusetts	4.4	
1994	Georgia	4.4	2.3
1986	New York	4.2	
1988	New Jersey	4.2	
1990	California	4.1	
1988	Maryland	3.9	
1992	Montana	3.6	2.2
1992	North Dakota	3.5	2.0
1991	South Dakota	2.8	1.4

1993	South Dakota	2.3	1.2
1989	Iowa	1.7	

Table 11  
 Percentage of Individuals Who Have Ever Gambled, Type by Demographic Characteristics

Demographics

Type of Gambling>

	Lottery	Charitable Events/Bingo	Sports Events	Horse/ Dog Racing	Numbers Game	Casino Games	Noncharitable Bingo	Noncasino Games	Games of Skill	Office Pools	Stock Market	Other
<u>Gender</u> (n\$3,978)	**		**	**	**	**	**	**	**	**	**	**
Male	75.4	41.9	35.2	28.9	10.8	56.2	6.4	27.9	41.2	57.0	35.9	4.5
Female	68.7	43.7	13.6	23.3	5.2	48.7	10.2	10.8	11.8	40.9	24.6	1.3
<u>Race</u> (n\$3,851)	**	**		**	**					**	**	
White	72.8	44.9	24.0	27.3	7.2	52.8	8.4	18.6	25.2	50.0	31.8	2.8
Black	65.9	33.4	21.0	17.7	11.8	49.8	8.2	20.7	22.3	36.2	16.1	2.3
Other	67.0	30.1	18.0	18.9	10.7	45.4	9.8	15.5	30.1	40.0	19.0	3.9
<u>Hispanic</u> (n\$3,875)	70.5	37.2	15.4	21.8	9.0	46.2	9.0	17.9	24.4	41.0	15.4**	1.3
<u>Age</u> (n\$3,862)	**	**	**	**	**	**		**	**	**	**	
18-29	68.3	38.8	33.3	18.9	9.3	51.8	8.3	29.3	36.9	42.7	17.2	3.4
30-49	76.3	48.8	26.1	27.6	8.9	54.1	8.2	20.0	27.8	54.9	32.4	3.1
50-64	73.7	44.8	19.3	31.2	5.9	56.7	9.8	13.9	19.2	49.0	37.5	2.1
>65	58.4	27.0	6.8	22.8	5.1	38.9	7.0	6.6	9.4	32.0	25.9	1.9
<u>Education</u> (n\$3,875)	**	**	**	**		**	*		**	**	**	
Some High School	62.6	29.0	11.7	14.0	7.9	33.6	11.2	17.3	22.9	27.6	6.5	1.9
High School/GED	73.5	40.0	21.1	21.9	7.4	47.7	10.1	18.1	22.4	44.6	19.7	2.8
Some College	73.9	46.4	24.4	26.7	7.9	56.8	7.1	19.4	25.9	52.5	30.9	2.3
Bachelors Degree	72.9	48.3	28.9	37.5	9.2	59.1	7.2	21.4	33.0	54.1	45.4	2.9
Graduate Study/Deg	64.7	44.2	27.9	29.6	7.2	54.7	6.8	16.1	24.2	51.2	50.3	4.1
<u>Income</u> (n\$3,067)	*	**	**	**		**		*	**	**	**	*
Less than \$25,000	69.9	35.3	14.5	17.1	7.4	42.1	9.7	17.3	18.8	36.8	13.8	1.7
\$25,000 to \$49,999	75.3	46.4	26.9	27.5	9.4	52.8	8.1	21.6	28.8	52.0	27.5	3.1
\$50,000 to \$99,999	74.2	51.4	29.9	31.5	8.2	59.1	8.7	19.5	28.2	59.3	41.6	4.2
More than \$100,000	78.4	51.3	34.5	41.8	9.9	71.4	8.2	25.9	44.0	62.1	65.8	3.9

> See Appendix A, items 1 through 12 for full definitions of gambling types.

\*chi square significant at .05

\*\*chi square significant at .01

Table 12  
 Percentage of Individuals Gambling During the Last 12 Months, Type by Demographic Characteristics

Demographics	Type of Gambling>											
	Lottery	Charitable Events/Bingo	Sports Events	Horse/Dog Racing	Numbers Game	Casino Games	Noncharitable Bingo	Noncasino Games Skill	Games of Pools	Office Market	Stock Other#	
<u>Gender</u> (n\$3,881)	**		**	**	**	**	**	**	**	**	**	
Male	63.8	31.2	26.3	7.4	7.4	34.3	2.6	17.7	27.8	38.1	29.1	3.7
Female	56.2	31.5	9.1	4.4	3.5	29.8	3.8	7.2	7.4	25.8	20.0	1.0
<u>Race</u> (n\$3,854)	*	**		**	*	*				**	**	
White	60.3	32.8	17.2	5.8	4.9	31.8	3.1	11.8	16.6	32.3	25.7	2.2
Black	55.7	24.3	16.4	4.9	7.9	35.1	3.6	13.1	16.4	25.6	13.4	1.3
Other	56.8	23.3	13.1	6.3	7.3	30.1	4.4	11.7	19.0	25.4	6.5	3.9
<u>Hispanic</u> (n\$3,878)	62.8	29.5	10.3	9.0	6.4	28.2	5.1	14.1	19.2	28.2	15.4**	1.3
<u>Age</u> (n\$3,865)	**	**	**	**	**	**	**	**	**	**	**	
18-29	57.9	30.0	27.6	5.7	8.0	37.3	4.9	23.9	29.5	33.6	15.2	3.3
39-49	64.8	36.5	19.3	6.1	6.3	31.2	2.8	11.5	18.2	37.9	27.0	2.6
50-64	60.7	30.9	11.5	6.5	2.5	35.2	3.1	7.5	10.2	27.8	29.8	1.0
>65	42.8	17.5	2.7	3.7	2.1	22.2	1.9	3.9	3.9	11.5	17.9	1.4
<u>Education</u> (n\$3,878)	**	**	**	**		**	*	*	**	**	**	
Some High School	52.3	23.8	8.9	3.3	6.1	22.5	4.2	13.1	16.8	18.7	4.2	1.9
High School/GED	63.0	30.2	16.8	5.2	5.3	32.9	4.3	12.2	15.3	29.4	15.6	2.0
Some College	62.6	34.9	17.0	6.1	5.3	34.2	2.8	12.9	17.6	34.3	24.2	2.0
Bachelors Degree	58.9	34.7	20.3	7.0	5.4	32.1	2.0	11.8	20.0	34.8	39.0	2.3
Graduate Study/Deg	46.8	27.0	18.1	6.8	4.8	27.7	2.2	8.9	15.3	31.8	42.0	3.5
<u>Income</u> (n\$3,069)	*	**	**	**		**			**	**	**	
Less than \$25,000	58.1	25.1	10.3	3.6	4.2	27.6	3.7	11.4	11.4	22.0	8.2	1.5
\$25,000 to \$49,999	62.7	34.2	19.8	6.7	6.9	33.7	3.5	13.7	19.6	33.6	21.7	2.2
\$50,000 to \$99,999	63.5	38.8	21.8	6.8	5.8	35.4	3.2	12.2	19.5	41.7	35.4	3.6
More than \$100,000	62.9	38.1	25.4	10.8	7.3	40.5	2.6	14.7	31.0	42.0	61.6	3.4

> See Appendix A, items 1 through 12 for full definitions of gambling types.

\*chi square significant at .05

\*\*chi square significant at .01

#small cell frequencies prevent a test of significance

Table 13  
Percent in SOGS Groupings by Demographic Categories

	<u>Lifetime Prevalence</u>				<u>Past Year Prevalence</u>			
	<u>0-2</u>	<u>3-4</u>	<u>5+</u>	sig.	<u>0-2</u>	<u>3-4</u>	<u>5+</u>	sig.
<b>Gender (n=3,887)</b>				**				**
Male	92.8	4.1	3.1		95.5	2.5	2.0	
Female	96.6	2.5	0.9		97.7	1.8	0.6	
<b>Race (n=3,860)</b>				**				**
White	95.4	3.0	1.6		97.1	1.9	1.0	
Black	90.8	4.9	4.3		94.4	3.0	2.6	
Other	91.7	4.9	3.4		92.2	4.4	3.4	
<b>Age (n=3,871)</b>				**				**
18-29	91.8	4.5	3.7		93.7	3.7	2.6	
30-49	95.2	3.2	1.6		96.8	2.2	1.0	
50-64	96.6	2.3	1.1		98.3	0.8	0.8	
>65	95.1	3.1	1.8		97.7	1.6	0.8	
<b>Education (n=3,884)</b>								*
Some High School	91.6	4.2	4.2		93.9	4.2	1.9	
High School/GED	94.2	3.6	2.2		95.6	2.7	1.6	
Some College	95.2	3.0	1.8		97.3	1.7	1.0	
Bachelors Degree	95.7	2.9	1.4		97.5	1.4	1.1	
Graduate Study/Deg	96.7	2.4	0.9		98.5	1.1	0.4	
<b>Income (n=3,074)</b>								
Less than \$25,000	94.2	3.2	2.6		95.8	2.7	1.5	
\$25,000 to \$49,999	94.1	4.0	1.9		96.5	2.4	1.2	
\$50,000 to \$99,999	94.3	3.5	2.3		95.9	2.5	1.6	
More than \$100,000	93.1	4.3	2.6		96.1	2.2	1.7	

\*chi square significant at .05  
\*\*chi square significant at .01

Table 14  
 Percent Distribution of Current SOGS Score  
 by Gambling Type in the Past Year

	Current Prevalence			
	<u>n</u>	<u>0-2</u>	<u>3-4</u>	<u>5+</u>
Lottery	2,346	95.0	3.1	1.9
Charitable Group Events	1,234	93.9	3.7	2.4
Sports Events	671	91.4	5.1	3.6
Horse/Dog Racing	229	85.2	7.0	7.9
Numbers Game	211	86.7	5.7	7.6
Casinos	1,258	92.3	4.7	3.0
Noncharitable Group Events	129	83.7	10.9	5.4
Noncasino Events	473	87.5	6.8	5.7
Games of Skill	659	90.1	6.1	3.8
Office Pools	1,231	94.2	3.6	2.3
Stock/Commodities Market	948	97.0	1.8	1.2
Other	87	85.1	6.9	8.0

Table 15  
 Typical Gambling Behaviors by SOGS Scores, Percent Distributions

	Lifetime Prevalence			Past Year Prevalence		
	<u>0-2</u>	<u>3-4</u>	<u>5+</u>	<u>0-2</u>	<u>3-4</u>	<u>5+</u>
When you gamble, do you usually do so: (n=3,809)						
don't gamble	17.5	--	--	17.1	--	--
alone	20.5	25.6	17.1	20.7	14.8	20.0
with spouse or partner	23.1	23.2	22.4	23.0	28.4	20.0
with other family members	9.0	10.4	14.5	9.0	9.9	18.0
with friends	23.1	35.2	35.5	23.2	42.0	34.0
with coworkers	4.1	1.6	7.9	4.1	1.2	6.0
with others	2.7	4.0	2.6	2.7	3.7	2.0
When you gamble, do you usually do so for: (n=3,313)						
don't gamble	17.5	--	--	17.1	--	--
less than 1 hour	41.9	21.8	18.7	41.5	22.0	16.7
1-2 hours	25.4	31.5	13.3	25.5	26.8	16.7
3-5 hours	12.5	33.9	45.3	12.8	36.6	50.0
6-12 hours	2.1	8.1	14.7	2.3	6.1	16.7
more than 12 hours	0.6	4.8	8.0	0.8	8.5	--
In the past year, what is the largest amount of money you have ever lost gambling in one day? (n=3,759)						
Don't gamble	17.8	--	--	17.4	--	--
Less than \$1	12.4	5.6	10.5	12.5	2.4	4.1
\$1-\$9	25.7	6.5	3.9	25.3	6.1	2.0
\$10-\$99	33.1	47.6	25.0	33.4	42.7	20.4
\$100-\$999	9.9	31.5	48.7	10.3	34.1	61.2
\$1000-\$9999	0.8	8.9	11.8	0.9	14.6	12.2
\$10,000 or more	0.2	--	--	0.2	--	--

Table 16  
 Percent of Problem (SOGS Score 3-4) and  
 Probable Pathological Gamblers (SOGS Score 5+)  
 Who Participated in Each Gambling Activity at Least Once Per Week

<u>Type of Gambling</u>	<u>Lifetime Prevalence</u>			<u>Current Prevalence</u>			<u>Gender Lifetime Prevalence</u>		
	<u>n</u>	<u>3-4 %</u>	<u>5+ %</u>	<u>n</u>	<u>3-4 %</u>	<u>5+ %</u>	<u>n</u>	<u>Male</u>	<u>Female</u>
Lottery	78	36.8	41.6	54	45.6	46.0	77	40.9	34.7
Charitable Group Events	4	.8	3.9	3	—	6.0	4	.8	4.2
Sports Events	27	7.2	23.4	19	7.4	28.0	27	19.7	2.8
Horse/Dog Racing	12	4.0	9.1	9	4.4	12.0	12	8.7	1.4
Numbers Game	13	3.2	11.7	11	8.8	10.0	13	7.9	4.2
Casinos	18	4.8	15.6	16	7.4	22.0	17	8.7	8.3
Noncasinos	20	6.4	15.6	16	8.8	20.0	20	12.6	5.6
Games of Skill	33	10.4	26.0	22	14.7	24.0	33	22.8	5.6
Office Pools	15	6.4	9.1	9	5.9	10.0	15	8.7	5.6
Stock/Commodity Markets	9	4.8	3.9	6	4.4	6.0	9	5.5	2.8
Other	6	.8	6.5	4	---	8.0	6	4.7	---

Table 17  
 Mean Dollars Per Month for Lifetime Problem  
 and Probable Pathological Gamblers by Activity

<u>Type of Gambling</u>	<u>n</u>	<u>Mean \$/Month</u>
Lottery	177	\$60.25
Charitable Groups Events	100	\$41.65
Sports Events	81	\$117.67
Horse/Dog Racing	75	\$63.20
Numbers Game	44	\$62.36
Casinos	138	\$249.02
Noncasinos	92	\$104.52
Games of Skill	93	\$52.33
Office Pools	116	\$19.53
Stock/Commodity Markets	48	\$157.08
Other	17	\$48.88

Table 18  
Descriptive Characteristics  
of Problem and Probable Pathological Gamblers

	<u>Lifetime Prevalence</u>			<u>Past Year Prevalence</u>			<u>Gender Lifetime Prevalence</u>		
	<u>n</u>	<u>3-4</u>	<u>5+</u>	<u>n</u>	<u>3-4</u>	<u>5+</u>	<u>Male</u>	<u>Female</u>	
Age First Gambled	200			129			199		
14 or younger		23.4	34.2		25.0	28.6		34.9	13.9
15-18		37.1	28.9		39.7	28.6		39.7	25.0
19-29		24.2	25.0		22.1	26.5		13.5	44.4
30 or older		15.3	11.8		13.2	16.3		11.9	16.7
Has Gambling Made You Nervous?	200	38.4	67.5	116	40.2	72.0	198	53.1	28.6
Age First Nervous	99			65			98		
14 or younger		6.4	7.7		6.9	5.6		6.7	4.3
15 - 18		31.9	30.8		34.5	25.0		38.7	8.7
19-29		31.9	38.5		27.6	41.7		30.7	52.2
30 or older		29.8	23.1		31.0	27.8		24.0	34.8
Desired to Stop	201	2.4	22.4	129	3.8	22.4	199	12.6	4.2
Sought Help	201	.8	7.9		2.5	6.1	199	5.5	---
Experience or Treatment									
Alcohol or other drug abuse problem	200	6.5	23.7	129	8.8	14.3	198	17.5	5.6
Mental health problem	199	8.1	16.0	128	10.0	12.5	197	12.8	8.3