

General Descriptives

The MEANS Procedure

MMR/AUTISM CASE	delay1	ISAUTISM	N Obs	Variable	Label	N	Mean
0	0	0	1048	CASECON2	MMR/AUTISM CASE	1048	0.000
				bcsamp		1048	1.000
				ISAUTISM		1048	0.000
				MMR1CAT3	MMR VAC < 36 MONTHS	1048	<u>0.926</u>
				SEXMALE		1048	0.795
				BLACK		1048	0.386
				WHITE		1048	0.551
				OTHER		1048	0.063
				1	0	0	146
bcsamp		146	1.000				
ISAUTISM		146	0.000				
MMR1CAT3	MMR VAC < 36 MONTHS	146	<u>0.938</u>				
SEXMALE		146	0.781				
BLACK		146	0.514				
WHITE		146	0.418				
OTHER		146	0.068				
1	0	0	104				
				bcsamp		104	1.000
				ISAUTISM		104	1.000
				MMR1CAT3	MMR VAC < 36 MONTHS	104	<u>0.990</u>
				SEXMALE		104	0.837
				BLACK		104	0.298
				WHITE		104	0.654
				OTHER		104	0.048
				1	0	0	73
bcsamp		73	1.000				
ISAUTISM		73	0.000				
MMR1CAT3	MMR VAC < 36 MONTHS	73	<u>0.904</u>				
SEXMALE		73	0.726				
BLACK		73	0.370				
WHITE		73	0.589				
OTHER		73	0.041				
1	0	0	35				
				bcsamp		35	1.000
				ISAUTISM		35	1.000
				MMR1CAT3	MMR VAC < 36 MONTHS	35	<u>0.943</u>
				SEXMALE		35	0.886
				BLACK		35	0.143
				WHITE		35	0.829
				OTHER		35	0.029

① Age 1st Concern

~~② Pre-con~~

③ Delay < 1 - motor, language delay, or parental

④ Pre existing condition is currently stable

- Tanya will fix

⑤ Regression/Plateau - Not frequent enough

Birth Certificate Analyses

Alternative Models	OR	-0.95 CI	+0.95 CI
MMR Vaccine \geq 36 m	1.5	0.8	2.9
Conditional - Full			
Conditional - Reduced			
Excluding Delay < 1			
MMR Vaccine \geq 36 m	2.2	1.0	4.9
Conditional - Full			
Isolated Subjects Only			
MMR Vaccine \geq 36 m	4.1	0.9	18.7
Conditional - Reduced			
Race			
Unconditional			
White - Late	1.0	0.3	4.1
White - Ontime	1.6	0.6	3.9
Black - Ontime	1.5	0.6	3.7
Conditional - Full			
White - Late			
White - Ontime			
Black - Ontime			
Unmatched Race Analyses			
Unconditional			
Non-Black Model (MMR Vaccine < 36 m)	1.1	0.5	2.5
Black Model (MMR Vaccine < 36 m)	1.7	0.8	3.5
Conditional - Full			
Non-Black Model (MMR Vaccine < 36 m)			
Black Model (MMR Vaccine < 36 m)			

Descriptive Statistics	Total Sample				Birth Certificate Sample			
	Controls		Cases		Controls		Cases	
	Freq	Percent	Freq	Percent	Freq	Percent	Freq	Percent
Sample	1780	100.0%	628	100.0%	1048		359	
Missing Immunization Form	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Missing MMR Vaccination Data	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Age of MMR Vaccination								
0 - 11 mo	36	2.0%	8	1.3%	10	1.0%	2	0.6%
12 - 15 mo	841	47.2%	333	53.0%	508	48.5%	186	51.8%
16 - 18 mo	435	24.4%	144	22.9%	285	27.2%	88	24.5%
19 - 23 mo	175	9.8%	57	9.1%	109	10.4%	35	9.7%
24 - 35 mo	120	6.7%	45	7.2%	58	5.5%	28	7.8%
36+ mo	173	9.7%	41	6.5%	78	7.4%	20	5.6%
MMR < 36 Mo	1607	90.3%	587	93.5%	970	92.6%	339	94.4%
MMR < 18 Mo	1232	69.2%	450	71.7%	753	71.9%	252	70.2%
Males	1425	80.1%	504	80.3%	833	79.5%	286	79.7%
Blacks	675	37.9%	242	38.5%	405	38.6%	139	38.7%
Whites	930	52.2%	346	55.1%	577	55.1%	201	56.0%
Other	175	9.8%	40	6.4%	66	6.3%	19	5.3%

Total Sample Analyses

Alternative Models	OR	-0.95 CI	+0.95 CI
Categorical MMR Age			
0 - 11 mo	1.1	0.5	2.5
12 - 15 mo	1.8	1.2	2.6
16 - 18 mo	1.5	1.0	2.2
19 - 23 mo	1.5	0.9	2.3
24 - 35 mo	1.7	1.1	2.9
36+ mo	1.0	NA	NA
 MMR Vaccine < 18 m	 1.1	 0.9	 1.4
MMR Vaccine < 36 m	1.6	1.1	2.4
 Excluding Delay < 1			
MMR Vaccine < 36 m	1.7	1.1	2.7
 Isolated Subjects Only			
MMR Vaccine < 36 m	2.4	1.1	5.1
MMR Vaccine < 36 m (excluding delay < 1)	2.8	1.2	6.6
 Race			
White - Late	1.6	0.8	3.5
White - Ontime	1.9	1.0	3.6
Black - Ontime	2.3	1.3	4.2
 Unmatched Race Analyses			
Non-Black Model (MMR Vaccine < 36 m)	1.1	0.7	1.8
Black Model (MMR Vaccine < 36 m)	2.4	1.4	4.4

Table 4a: Cognitive functioning by gender in children 3-10 years of age in Metropolitan Atlanta, 1996

Intellectual level	Males		Females		Male-to-Female Sex Ratio		Total
	N	%	N	%	N	%	
No retardation	215	89	27	11	8.1	25	242
Mild retardation	142	82	32	18	4.4	30	174
Severe retardation	192	75	65	25	3.0	44	257
IQ = 35-49	77	78	22	22	3.5	10	99
IQ = 20-34	40	68	19	32	2.1	6	59
IQ = < 20	13	57	10	43	1.3	2	23
Unknown level*	163	77	50	23	3.2	24	213
Total*	712	80	174	20	4.1		886

* Children of unknown level were administered a developmental test of which 81% were 2 standard deviations below the mean.

Table 4b: Cognitive functioning in children 3-10 years of age in metropolitan Atlanta by race/ethnicity, 1996

Intellectual level	Race						Total
	White		Black		Other		
	N	%	N	%	N	%	N
No retardation	177	73	60	25	4	2	242
Mild retardation	78	45	89	51	7	4	174
Severe retardation	106	41	137	53	14	5	257
IQ = 35-49	42	42	52	53	5	5	99
IQ = 20-34	16	27	39	66	4	7	59
IQ = < 20	8	35	15	65	0	0	23
Unknown level*	147	69	62	29	4	2	213
Total	508	57	348	39	29	3.2	886

* Children of unknown level were administered a developmental test of which 81% were 2 standard deviations below the mean.