

Agenda 12/05/2001

- 1) Data Privacy Issues
- 2) December 13 Seminar
- 3) Update on availability of Final Database
- 4) Analysis/Data entry for preexisting conditions and parental concern
- 5) Draft Intro and Methods for Paper
- 6) Discussion of Preliminary Descriptive Statistics

Data Issues

- 1) 706 Initial Cases with 660 Cases that meet MADDSP Autism Case Definition
- 2) Missing Age: IDNUM = 6103023
- 3) One Case had MMR Vaccination date before Birth Date: IDNUM = 6309920
 - a. Reduces cases down to 659
- 4) One control coded as Delay less than 1
- 5) Immunization Forms
 - a. 7 subjects not missing Immunization Form – Corrections
 - i. IDNUM
 1. Q940162
 2. 3300452
 3. 4325643
 4. 4363962
 5. 5312301
 6. 5378052
 7. 6017690

Make sure at least 1 vaccine

	IM Form Not Missing	IM Form Missing	Total
MMR Date = Yes	2799	Assumed Incorrect	
MMR Date = No	17	33	50

b. Cases are disproportionately missing their immunization forms

Case Status	IM Form Missing	IMM Form Complete
Cases	16 (2.42%)	644
Controls	16 (0.75%)	2127

Original Cont

c. When you fill in missing data, cases appear to be vaccinated late/never in same proportion as controls

Case Status	IMM Form – LM MMR Date - LM	IMM Form – LM MMR Date - Filled	IMM Form – Filled MMR Date – Filled
Cases	93.6%	93.0%	90.7%
Controls	90.3%	89.8%	89.1%

Selection Bias in MMR/Autism Study

Cases Status	Race	Vac < 36 Months	Model 1	Model 2	Model 3
Controls	White	No	103	99	94
	White	Yes	1135	1135	1135
	Black	No	111	103	97
	Black	Yes	685	685	685
Cases	White	No	31	28	25
	White	Yes	363	363	363
	Black	No	30	17	16
	Black	Yes	234	234	234
Total	White	No	134	127	119
	White	Yes	1498	1498	1498
	Black	No	141	120	113
	Black	Yes	919	919	919
Proportion Cases	White	No	23.1%	22.0%	21.0%
	White	Yes	24.2%	24.2%	24.2%
	Black	No	21.3%	14.2%	14.2%
	Black	Yes	25.5%	25.5%	25.5%

Description of Delay Variables

		Delay 2		
		Other	Delay without Regression	Total
Delay 1	No	466	0	466
	Yes	18	176	194
Total		484	176	660

Preliminary Examination of OR

Variable	OR
MMR < 36	1.5
MMR < 36 * Race	1.8 2.0 2.3
MMR < 36 - excluding Delay < 1	1.7
MMR < 36 - excluding Delay < 1 - except for regression/plateau	1.6
MMR < 36 - excluding non-isolated	2.0
MMR < 36 - excluding non-isolated and Delay < 1	2.4
MMR < 36 * Race - excluding Delay < 1	2.0 2.3 2.5

DT PAY
HI BLY
HEP LY