

10/22/2002

Table 1: Descriptive Statistics Unmatched Birth Certificate Sample

Variable	Category	Total Sample				Birth Certificate Sample			
		Controls		Cases		Controls		Cases	
		N	Percent	N	Percent	N	Percent	N	Percent
Age in 1996	3 - 5 yrs	623	34%	214	34%	376	37%	127	36%
	6 - 10 yrs	1201	66%	410	66%	644	35%	228	13%
Sex	Male	1462	80%	500	80%	809	44%	282	15%
	Female	362	20%	124	20%	211	12%	73	4%
Race	White	918	50%	333	53%	571	31%	199	11%
	Black	636	35%	230	37%	384	21%	137	8%
	Other	174	10%	40	6%	65	4%	19	1%
	Missing	96	5%	21	3%	0	0%	0	0%
Maternal Age	< 20 yrs					95	9%	15	4%
	20 - 34 yrs					803	79%	280	79%
	35+ yrs					122	12%	60	17%
Maternal Educ	<= 12 yrs					466	46%	135	38%
	13 - 15 yrs					253	25%	100	28%
	16+ yrs					301	30%	120	34%
Birth Weight	0 - 1499 gms					11	1%	12	3%
	1500 - 2499 gms					52	5%	37	10%
	2500 + gms					957	94%	306	86%
Multiplicity	Singleton					990	97%	329	93%
	Twin +					30	3%	26	7%
Parity	1st Born					452	44%	149	42%
	2nd or Higher					560	55%	204	57%
	Missing					8	1%	2	1%
Total		1824	100%	624	100%	1020	100%	355	100%

* All subjects reported in this table either received an MMR vaccine or had a DTP vaccine by the age of 2

** All cases are confirmed cases

*** The birth certificate sample presented in this table is the unmatched sample.

Background Table

1) Total Sample	Age Group	Controls	%Controls	Cases	%Cases	OR	- 95% CI	+ 95% CI
Updated	0 - 11 mo	36	2.0%	8	1.3%	1.0	0.4	2.2
	12 - 17 mo	1232	67.5%	440	70.5%	1.5	1.1	2.2
	18 - 23 mo	260	14.3%	90	14.4%	1.5	1.0	2.2
	24 - 29 mo	86	4.7%	29	4.6%	1.4	0.8	2.5
	30 - 35 mo	38	2.1%	16	2.6%	1.8	0.9	3.6
	36+ mo	172	9.4%	41	6.6%	--	--	--
	Total	1824	100.0%	624	100.0%			

* Overall test of distribution is not statistically significant

2) Matched BC Sample	Age Group	Controls	%Controls	Cases	%Cases	OR	- 95% CI	+ 95% CI
	0 - 11 mo	8	1.4%	2	0.6%	0.7	0.1	3.8
	12 - 17 mo	406	70.5%	218	70.1%	1.4	0.7	2.5
	18 - 23 mo	87	15.1%	52	16.7%	1.5	0.7	3.0
	24 - 29 mo	27	4.7%	13	4.2%	1.3	0.5	3.2
	30 - 35 mo	8	1.4%	9	2.9%	2.3	0.7	7.3
	36+ mo	40	6.9%	17	5.5%	--	--	--
	Total	576	100.0%	311	100.0%			

* Overall test of distribution is not statistically significant

**Figure 2: Age of 1st MMR Vaccination by Case Status
For Total Sample**

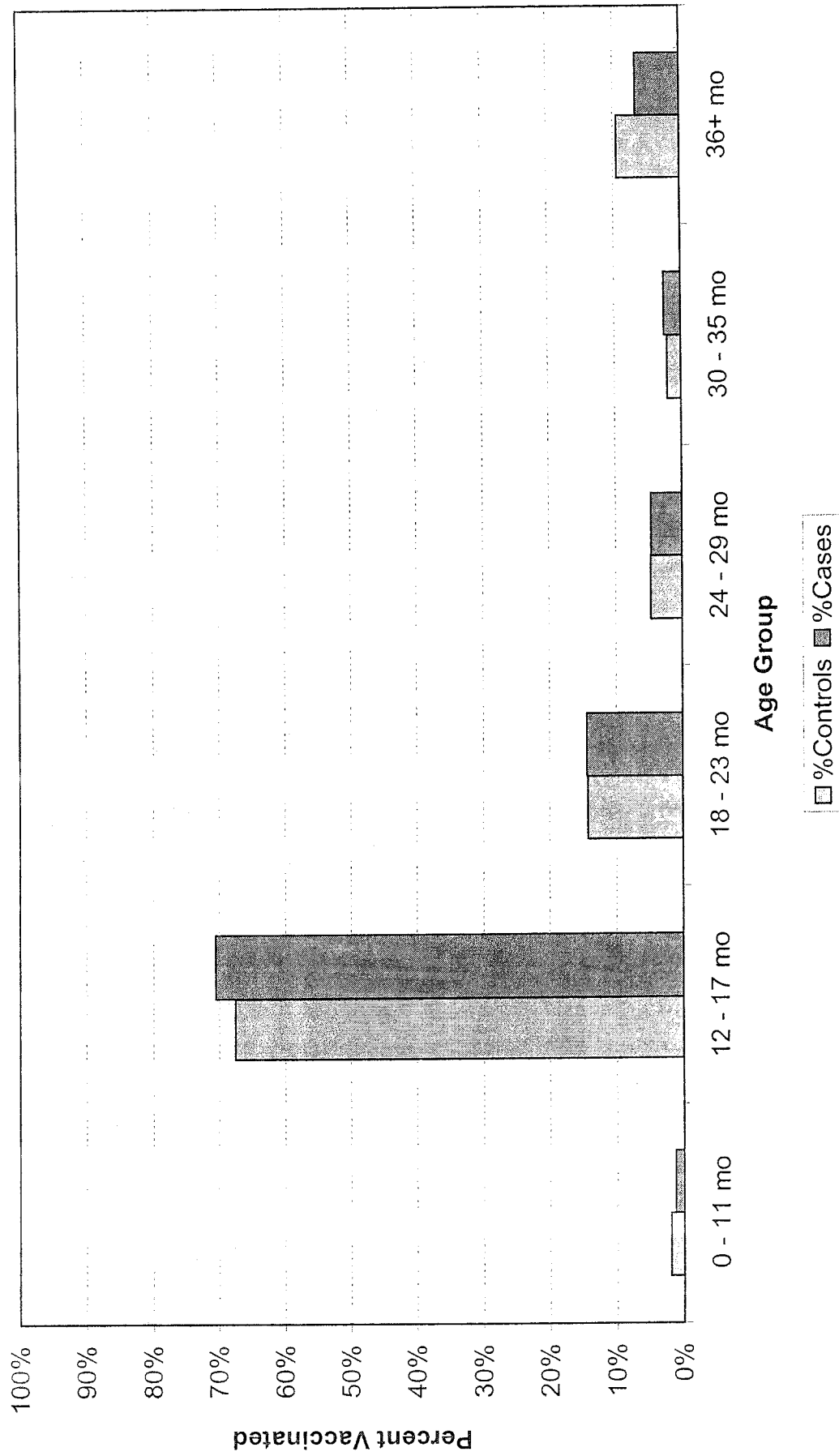


Table 2: Matched Statistical Analyses for Demographic Subgroups

Sample	Case Subgroup	Cases	< 18 Months			< 24 Months			< 36 Months		
			OR	L95CI	U95CI	OR	L95CI	U95CI	OR	L95CI	U95CI
Total Sample	All Cases	624	1.12	0.91	1.38	1.21	0.93	1.57	1.49	1.04	2.14
	Males	500	1.22	0.97	1.54	1.29	0.96	1.73	1.67	1.10	2.53
	Females	124	0.83	0.52	1.30	0.96	0.55	1.68	1.06	0.51	2.20
	Aged 3 - 5 Years	214	1.08	0.73	1.60	1.66	0.95	2.92	2.34	0.99	5.54
Unadjusted Analyses	Aged 6 - 10 Years	410	1.14	0.90	1.46	1.10	0.82	1.49	1.33	0.89	1.98
	All Cases	311	0.93	0.66	1.30	0.99	0.63	1.55	1.23	0.64	2.36
	Males	243	0.94	0.65	1.38	1.01	0.61	1.67	1.64	0.77	3.49
	Females	68	0.79	0.33	1.86	0.84	0.26	2.77	0.24	0.04	1.47
Adjusted Analyses	Aged 3 - 5 Years	112	0.77	0.39	1.50	1.67	0.60	4.67	2.63	0.51	13.45
	Aged 6 - 10 Years	199	0.98	0.65	1.47	0.87	0.51	1.46	1.09	0.52	2.30

Table 3: Matched Statistical Analyses for Clinical Case Subgroups

Sample	Case Subgroup	Cases	< 18 Months			< 24 Months			< 36 Months		
			OR	L95CI	U95CI	OR	L95CI	U95CI	OR	L95CI	U95CI
Total Sample	No Pre-Existing Conditions < 1 Year	390	1.07	0.83	1.39	1.14	0.82	1.59	1.51	0.96	2.37
	Regression or Plateau	80	1.37	0.78	2.41	1.30	0.64	2.66	1.45	0.54	3.93
	With Mental Retardation	376	1.06	0.82	1.38	1.09	0.79	1.51	1.21	0.79	1.84
	Without Mental Retardation	248	1.23	0.87	1.73	1.09	0.79	1.51	2.45	1.20	5.00
Birth Certificate Sample	No Pre-Existing Conditions < 1 Year	187	1.05	0.68	1.61	1.02	0.56	1.86	1.82	0.77	4.31
	Regression or Plateau	31	0.83	0.23	3.09	0.41	0.07	2.29	0.69	0.14	3.30
Adjusted Analyses	With Mental Retardation	179	1.13	0.72	1.79	0.96	0.54	1.71	0.82	0.38	1.79
	Without Mental Retardation	132	0.68	0.40	1.16	1.02	0.47	2.22	3.55	0.74	17.07 *

* OR based on 3 cases vaccinated \geq 36 months

Table 4: Unmatched Statistical Analyses for Demographic Subgroups with Birth Certificate Data

Case Subgroup	Cases	< 18 Months			< 24 Months			< 36 Months		
		OR	L95CI	U95CI	OR	L95CI	U95CI	OR	L95CI	U95CI
All Cases	355	0.83	0.63	1.10	0.87	0.60	1.25	1.26	0.74	2.12
Aged 3 - 5 Years	127	0.66	0.40	1.08	1.05	0.48	2.34	2.93	0.65	13.29
Aged 6 - 10 Years	228	0.96	0.68	1.35	0.85	0.55	1.30	1.09	0.62	1.92
White/Other	218	0.87	0.59	1.27	0.78	0.45	1.35	0.89	0.41	1.94
Black	137	0.79	0.52	1.20	0.93	0.56	1.55	1.60	0.78	3.26
Maternal Age < 35 Years	295	0.89	0.66	1.20	0.91	0.62	1.34	1.20	0.70	2.05
Maternal Age 35+ Years	60	0.57	0.27	1.20	0.56	0.16	2.00	2.42	0.21	27.62
Maternal Education <16 Years	235	0.91	0.66	1.25	0.90	0.60	1.34	1.14	0.65	1.98
Maternal Education 16+ Years	120	0.65	0.36	1.15	0.78	0.29	2.07	3.28	0.63	17.07
Birth Weight < 2500 gms	49	0.49	0.21	1.15	0.42	0.14	1.25	1.13	0.28	4.54
Birth Weight >= 2500 gms	306	0.90	0.67	1.21	0.91	0.61	1.36	1.23	0.70	2.17

Table 5: Factors Associated with Case Selection

Sample	Case Subgroup	Cases	< 18 Months			< 24 Months			< 36 Months		
			OR	L95CI	U95CI	OR	L95CI	U95CI	OR	L95CI	U95CI
Total	Records in School Sources Only	253	1.31	0.96	1.79	1.34	0.92	1.96	2.80	1.51	5.22
	Records from Multiple Sources and/or Clinics	371	1.00	0.76	1.31	1.10	0.77	1.57	0.96	0.61	1.50
	Previous ASD Dx	395	1.05	0.81	1.36	1.10	0.80	1.52	1.25	0.82	1.92
	No Previous ASD Dx	229	1.26	0.90	1.78	1.43	0.92	2.23	2.15	1.11	4.17
Birth Certificate	Records in School Sources Only	125	1.25	0.72	2.15	0.82	0.42	1.59	1.69	0.64	4.45
	Records from Multiple Sources and/or Clinics	186	0.78	0.50	1.22	1.21	0.63	2.32	0.85	0.34	2.13
	Previous ASD Dx	199	0.92	0.60	1.39	1.11	0.63	1.95	1.04	0.47	2.29
	No Previous ASD Dx	112	0.90	0.49	1.65	0.78	0.36	1.69	1.81	0.54	6.05