

Tables 8a-e: Risk Model Estimates using Adjusted Model

Table 8a. Risk Estimate Adjusted Model- 7 Day								
	Estimate	Std Dev	P-Value	Estimate LCL	Estimate UCL	OR	OR LCL	OR UCL
Intercept	-3.7469	0.0769	<.0001	-3.8977	-3.5961			
Gestational Age (Reference Group: 34 Weeks)								
23	-0.279	0.1299	0.0318	-0.5336	-0.0243	0.757	0.586	0.976
24	0.1991	0.0936	0.0333	0.0157	0.3826	1.22	1.016	1.466
25	0.1581	0.0861	0.0662	-0.0106	0.3268	1.171	0.99	1.387
26	0.2693	0.0763	0.0004	0.1197	0.4189	1.309	1.127	1.52
27	0.1508	0.0728	0.0383	0.00814	0.2935	1.163	1.008	1.341
28	0.0848	0.068	0.2124	-0.0485	0.218	1.088	0.953	1.244
29	0.061	0.0614	0.3204	-0.0593	0.1813	1.063	0.942	1.199
30	-0.1405	0.0574	0.0143	-0.253	-0.028	0.869	0.776	0.972
31	-0.1765	0.0507	0.0005	-0.2758	-0.0771	0.838	0.759	0.926
32	-0.1379	0.0429	0.0013	-0.222	-0.0539	0.871	0.801	0.948
33	-0.1757	0.0368	<.0001	-0.2479	-0.1035	0.839	0.78	0.902
Male	0.1689	0.0258	<.0001	0.1183	0.2196	1.184	1.126	1.246
Maternal Race/Ethnicity (Reference Group: White, Non-Hispanic)								
Black	-0.2123	0.0511	<.0001	-0.3125	-0.1122	0.809	0.732	0.894
Hispanic	0.0224	0.0329	0.4956	-0.042	0.0869	1.023	0.959	1.091
Asian/ Pacific Islander	0.0323	0.0427	0.4491	-0.0514	0.116	1.033	0.95	1.123
Maternal Age Group (Reference Group: 18-35 Years)								
< 18	0.00843	0.0602	0.8886	-0.1096	0.1265	1.008	0.896	1.135
> 35	-0.0487	0.037	0.1884	-0.1212	0.0239	0.953	0.886	1.024
Maternal Education (Reference Group: High School Diploma/GED)								
No High School	-0.1566	0.0471	0.0009	-0.2489	-0.0643	0.855	0.78	0.938
Some High School	-0.011	0.0384	0.7757	-0.0863	0.0644	0.989	0.917	1.066
At Least Some College	0.0622	0.0341	0.0681	-0.00462	0.1291	1.064	0.995	1.138
Source of Payment (Reference Group: FFS)								
HMO	-0.1635	0.0708	0.0209	-0.3023	-0.0248	0.849	0.739	0.975
Federal	-0.00141	0.0728	0.9846	-0.144	0.1412	0.999	0.866	1.152
Federal MC	0.0925	0.0781	0.2365	-0.0607	0.2457	1.097	0.941	1.278
Other MC	0.0572	0.2484	0.8178	-0.4296	0.544	1.059	0.651	1.723
Other	-0.2451	0.1637	0.1345	-0.566	0.0759	0.783	0.568	1.079
Uninsured	-0.5432	0.1702	0.0014	-0.8769	-0.2096	0.581	0.416	0.811
Data Description: CA hospital data 1995-2009								
CL- Confidence Limit								

Table 8b. Risk Estimate Adjusted Model- 14 Day								
	Estimate	Std Dev	P-Value	Estimate LCL	Estimate UCL	OR	OR LCL	OR UCL
Intercept	-3.509	0.0671	<.0001	-3.6406	-3.3775			
Gestational Age (Reference Group: 34 Weeks)								
23	-0.1129	0.1022	0.2692	-0.3131	0.0873	0.893	0.731	1.091
24	0.3733	0.074	<.0001	0.2282	0.5183	1.452	1.256	1.679
25	0.31	0.0686	<.0001	0.1754	0.4445	1.363	1.192	1.56
26	0.3798	0.0622	<.0001	0.2579	0.5016	1.462	1.294	1.651
27	0.236	0.0598	<.0001	0.1187	0.3532	1.266	1.126	1.424
28	0.1976	0.0553	0.0004	0.0892	0.3059	1.218	1.093	1.358
29	0.1491	0.0504	0.0031	0.0503	0.248	1.161	1.052	1.281
30	0.0123	0.0459	0.7883	-0.0776	0.1023	1.012	0.925	1.108
31	-0.0622	0.0412	0.1315	-0.143	0.0186	0.94	0.867	1.019
32	-0.0801	0.0357	0.025	-0.1501	-0.01	0.923	0.861	0.99
33	-0.118	0.0308	0.0001	-0.1784	-0.0577	0.889	0.837	0.944
Male	0.1378	0.0213	<.0001	0.0959	0.1796	1.148	1.101	1.197
Maternal Race/Ethnicity (Reference Group: White, Non-Hispanic)								
Black	-0.1334	0.0409	0.0011	-0.2136	-0.0532	0.875	0.808	0.948
Hispanic	0.0269	0.0273	0.3234	-0.0265	0.0803	1.027	0.974	1.084
Asian/ Pacific Islander	-0.0245	0.0364	0.5006	-0.0958	0.0468	0.976	0.909	1.048
Maternal Age Group (Reference Group: 18-35 Years)								
< 18	-0.0713	0.0502	0.1558	-0.1698	0.0272	0.931	0.844	1.028
> 35	-0.0813	0.0311	0.009	-0.1423	-0.0203	0.922	0.867	0.98
Maternal Education (Reference Group: High School Diploma/GED)								
No High School	-0.144	0.0388	0.0002	-0.22	-0.068	0.866	0.803	0.934
Some High School	0.0222	0.0313	0.4796	-0.0393	0.0836	1.022	0.961	1.087
At Least Some College	0.0486	0.0283	0.0866	-0.00698	0.1041	1.05	0.993	1.11
Source of Payment (Reference Group: FFS)								
HMO	-0.0612	0.0623	0.3257	-0.1833	0.0609	0.941	0.833	1.063
Federal	0.1346	0.0637	0.0346	0.00978	0.2595	1.144	1.01	1.296
Federal MC	0.2851	0.0675	<.0001	0.1528	0.4175	1.33	1.165	1.518
Other MC	0.1242	0.2124	0.5586	-0.2921	0.5405	1.132	0.747	1.717
Other	-0.0924	0.1354	0.4952	-0.3578	0.1731	0.912	0.699	1.189
Uninsured	-0.6159	0.1527	<.0001	-0.9152	-0.3167	0.54	0.4	0.729
Data Description: CA hospital data 1995-2009								
CL- Confidence Limit								

Table 8c. Risk Estimate Adjusted Model- 30 Day								
	Estimate	Std Dev	P-Value	Estimate LCL	Estimate UCL	OR	OR LCL	OR UCL
Intercept	-3.2328	0.0566	<.0001	-3.3437	-3.1219			
Gestational Age (Reference Group: 34 Weeks)								
23	-0.1013	0.0826	0.22	-0.2632	0.0606	0.904	0.769	1.062
24	0.3761	0.0607	<.0001	0.2572	0.495	1.457	1.293	1.64
25	0.4019	0.0542	<.0001	0.2956	0.5082	1.495	1.344	1.662
26	0.4176	0.0503	<.0001	0.3191	0.5162	1.518	1.376	1.676
27	0.3334	0.0471	<.0001	0.2411	0.4258	1.396	1.273	1.531
28	0.2599	0.0441	<.0001	0.1734	0.3464	1.297	1.189	1.414
29	0.1899	0.0406	<.0001	0.1104	0.2694	1.209	1.117	1.309
30	0.0826	0.0364	0.0234	0.0112	0.1541	1.086	1.011	1.167
31	0.0357	0.0324	0.271	-0.0279	0.0992	1.036	0.973	1.104
32	-0.0222	0.0285	0.4375	-0.0781	0.0338	0.978	0.925	1.034
33	-0.05	0.0246	0.0418	-0.0981	-0.00185	0.951	0.907	0.998
Male	0.1636	0.0171	<.0001	0.1301	0.1971	1.178	1.139	1.218
Maternal Race/Ethnicity (Reference Group: White, Non-Hispanic)								
Black	-0.0578	0.0321	0.0717	-0.1207	0.0051	0.944	0.886	1.005
Hispanic	0.062	0.0219	0.0047	0.019	0.1049	1.064	1.019	1.111
Asian/ Pacific Islander	-0.0372	0.0297	0.211	-0.0954	0.0211	0.964	0.909	1.021
Maternal Age Group (Reference Group: 18-35 Years)								
< 18	-0.0445	0.0394	0.2587	-0.1217	0.0327	0.956	0.885	1.033
> 35	-0.0688	0.025	0.0059	-0.1178	-0.0199	0.934	0.889	0.98
Maternal Education (Reference Group: High School Diploma/GED)								
No High School	-0.1357	0.0306	<.0001	-0.1956	-0.0758	0.873	0.822	0.927
Some High School	0.00861	0.0249	0.7295	-0.0402	0.0574	1.009	0.961	1.059
At Least Some College	0.0483	0.0228	0.034	0.00365	0.093	1.049	1.004	1.097
Source of Payment (Reference Group: FFS)								
HMO	0.0228	0.0529	0.666	-0.0808	0.1264	1.023	0.922	1.135
Federal	0.2923	0.0538	<.0001	0.1868	0.3977	1.339	1.205	1.488
Federal MC	0.5086	0.0564	<.0001	0.398	0.6192	1.663	1.489	1.857
Other MC	0.1849	0.1766	0.2951	-0.1612	0.5309	1.203	0.851	1.7
Other	-0.196	0.1196	0.1012	-0.4303	0.0383	0.822	0.65	1.039
Uninsured	-0.4869	0.1223	<.0001	-0.7265	-0.2472	0.615	0.484	0.781
Data Description: CA hospital data 1995-2009								
CL- Confidence Limit								

Table 8d. Risk Estimate Adjusted Model- 90 Day								
	Estimate	Std Dev	P-Value	Estimate LCL	Estimate UCL	OR	OR LCL	OR UCL
Intercept	-2.774	0.0442	<.0001	-2.8608	-2.6873			
Gestational Age (Reference Group: 34 Weeks)								
23	-0.1712	0.0632	0.0068	-0.2951	-0.0472	0.843	0.744	0.954
24	0.281	0.0478	<.0001	0.1872	0.3748	1.324	1.206	1.455
25	0.3578	0.042	<.0001	0.2755	0.4402	1.43	1.317	1.553
26	0.363	0.0391	<.0001	0.2863	0.4397	1.438	1.331	1.552
27	0.3709	0.0354	<.0001	0.3016	0.4403	1.449	1.352	1.553
28	0.3284	0.0327	<.0001	0.2643	0.3924	1.389	1.303	1.481
29	0.1828	0.0307	<.0001	0.1226	0.2429	1.201	1.13	1.275
30	0.1228	0.027	<.0001	0.0698	0.1757	1.131	1.072	1.192
31	0.0424	0.0243	0.0808	-0.0052	0.09	1.043	0.995	1.094
32	-0.0078	0.0213	0.7139	-0.0495	0.0339	0.992	0.952	1.034
33	-0.00671	0.0182	0.7121	-0.0423	0.0289	0.993	0.959	1.029
Male	0.2109	0.0128	<.0001	0.1858	0.236	1.235	1.204	1.266
Maternal Race/Ethnicity (Reference Group: White, Non-Hispanic)								
Black	0.0988	0.0234	<.0001	0.053	0.1446	1.104	1.054	1.156
Hispanic	0.132	0.0165	<.0001	0.0996	0.1644	1.141	1.105	1.179
Asian/ Pacific Islander	-0.0519	0.0227	0.0222	-0.0963	-0.00741	0.949	0.908	0.993
Maternal Age Group (Reference Group: 18-35 Years)								
< 18	-0.0226	0.0291	0.4372	-0.0796	0.0344	0.978	0.924	1.035
> 35	-0.0182	0.0185	0.3242	-0.0544	0.018	0.982	0.947	1.018
Maternal Education (Reference Group: High School Diploma/GED)								
No High School	-0.1218	0.0227	<.0001	-0.1664	-0.0772	0.885	0.847	0.926
Some High School	0.0325	0.0186	0.0802	-0.0039	0.0688	1.033	0.996	1.071
At Least Some College	0.0481	0.0171	0.0049	0.0146	0.0817	1.049	1.015	1.085
Source of Payment (Reference Group: FFS)								
HMO	0.1436	0.0415	0.0005	0.0623	0.225	1.154	1.064	1.252
Federal	0.4075	0.0422	<.0001	0.3249	0.4902	1.503	1.384	1.633
Federal MC	0.7086	0.044	<.0001	0.6225	0.7948	2.031	1.864	2.214
Other MC	0.3497	0.1316	0.0079	0.0918	0.6077	1.419	1.096	1.836
Other	0.00656	0.0874	0.9402	-0.1648	0.1779	1.007	0.848	1.195
Uninsured	-0.5521	0.0968	<.0001	-0.7419	-0.3623	0.576	0.476	0.696
Data Description: CA hospital data 1995-2009								
CL- Confidence Limit								

Table 8e. Risk Estimate Adjusted Model- 365 Day								
	Estimate	Std Dev	P-Value	Estimate LCL	Estimate UCL	OR	OR LCL	OR UCL
Intercept	-2.1472	0.034	<.0001	-2.2138	-2.0806			
Gestational Age (Reference Group: 34 Weeks)								
23	-0.4439	0.0514	<.0001	-0.5446	-0.3431	0.642	0.58	0.71
24	-0.0146	0.0401	0.7157	-0.0933	0.064	0.985	0.911	1.066
25	0.1512	0.0345	<.0001	0.0836	0.2189	1.163	1.087	1.245
26	0.2115	0.0317	<.0001	0.1494	0.2736	1.236	1.161	1.315
27	0.2517	0.0284	<.0001	0.196	0.3073	1.286	1.217	1.36
28	0.155	0.0265	<.0001	0.1032	0.2069	1.168	1.109	1.23
29	0.1098	0.0239	<.0001	0.063	0.1567	1.116	1.065	1.17
30	0.0655	0.0208	0.0017	0.0247	0.1064	1.068	1.025	1.112
31	0.0168	0.0184	0.3622	-0.0193	0.0529	1.017	0.981	1.054
32	-0.0047	0.016	0.7688	-0.036	0.0266	0.995	0.965	1.027
33	-0.00345	0.0137	0.8006	-0.0302	0.0233	0.997	0.97	1.024
Male	0.2007	0.00976	<.0001	0.1816	0.2199	1.222	1.199	1.246
Maternal Race/Ethnicity (Reference Group: White, Non-Hispanic)								
Black	0.1491	0.0181	<.0001	0.1136	0.1847	1.161	1.12	1.203
Hispanic	0.2636	0.0127	<.0001	0.2387	0.2885	1.302	1.27	1.334
Asian/ Pacific Islander	-0.0127	0.0173	0.4616	-0.0467	0.0212	0.987	0.954	1.021
Maternal Age Group (Reference Group: 18-35 Years)								
< 18	-0.0566	0.0225	0.0118	-0.1007	-0.0125	0.945	0.904	0.988
> 35	0.00999	0.014	0.4748	-0.0174	0.0374	1.01	0.983	1.038
Maternal Education (Reference Group: High School Diploma/GED)								
No High School	-0.1217	0.0173	<.0001	-0.1556	-0.0878	0.885	0.856	0.916
Some High School	0.0575	0.0143	<.0001	0.0295	0.0855	1.059	1.03	1.089
At Least Some College	0.0813	0.0131	<.0001	0.0556	0.1071	1.085	1.057	1.113
Source of Payment (Reference Group: FFS)								
HMO	0.218	0.0319	<.0001	0.1555	0.2804	1.244	1.168	1.324
Federal	0.4778	0.0324	<.0001	0.4142	0.5413	1.612	1.513	1.718
Federal MC	0.8802	0.0338	<.0001	0.8139	0.9464	2.411	2.257	2.577
Other MC	0.4481	0.1008	<.0001	0.2506	0.6457	1.565	1.285	1.907
Other	0.1628	0.0646	0.0118	0.0361	0.2895	1.177	1.037	1.336
Uninsured	-0.7724	0.0783	<.0001	-0.9258	-0.619	0.462	0.396	0.538
Data Description: CA hospital data 1995-2009								
CL- Confidence Limit								

Tables 9a-e: Risk Model Estimates using Adjusted Model with complications of prematurity

Table 9a. Risk Estimate Adjusted Model with complications of prematurity- 7 Day								
	Estimate	Std Dev	P-Value	Estimate LCL	Estimate UCL	OR	OR LCL	OR UCL
Intercept	-3.7471	0.0769	<.0001	-3.898	-3.5963			
Gestational Age (Reference Group: 34 Weeks)								
23	-0.3159	0.131	0.0158	-0.5726	-0.0592	0.729	0.564	0.942
24	0.1273	0.0969	0.1888	-0.0626	0.3172	1.136	0.939	1.373
25	0.0722	0.0903	0.4239	-0.1048	0.2493	1.075	0.901	1.283
26	0.1925	0.08	0.0161	0.0357	0.3493	1.212	1.036	1.418
27	0.0856	0.0755	0.2571	-0.0624	0.2336	1.089	0.939	1.263
28	0.0373	0.0696	0.592	-0.0991	0.1738	1.038	0.906	1.19
29	0.0324	0.0622	0.6019	-0.0894	0.1543	1.033	0.914	1.167
30	-0.1565	0.0577	0.0067	-0.2695	-0.0434	0.855	0.764	0.958
31	-0.1839	0.0508	0.0003	-0.2835	-0.0844	0.832	0.753	0.919
32	-0.1409	0.0429	0.001	-0.225	-0.0568	0.869	0.799	0.945
33	-0.1766	0.0368	<.0001	-0.2488	-0.1044	0.838	0.78	0.901
Male	0.1687	0.0259	<.0001	0.118	0.2193	1.184	1.125	1.245
BPD	0.1893	0.0686	0.0058	0.0548	0.3238	1.208	1.056	1.382
ROP	0.0899	0.061	0.1405	-0.0297	0.2095	1.094	0.971	1.233
NEC	0.2516	0.0898	0.0051	0.0755	0.4276	1.286	1.078	1.534
IVH Any	-0.105	0.0669	0.1165	-0.2361	0.0261	0.9	0.79	1.026
Maternal Race/Ethnicity (Reference Group: White, Non-Hispanic)								
Black	-0.2157	0.0511	<.0001	-0.3159	-0.1155	0.806	0.729	0.891
Hispanic	0.0221	0.0329	0.5023	-0.0424	0.0865	1.022	0.958	1.09
Asian/ Pacific Islander	0.0325	0.0427	0.4466	-0.0512	0.1162	1.033	0.95	1.123
Maternal Age Group (Reference Group: 18-35 Years)								
< 18	0.0116	0.0602	0.8468	-0.1064	0.1297	1.012	0.899	1.139
> 35	-0.0504	0.037	0.1736	-0.1229	0.0222	0.951	0.884	1.022
Maternal Education (Reference Group: High School Diploma/GED)								
No High School	-0.156	0.0471	0.0009	-0.2483	-0.0637	0.856	0.78	0.938
Some High School	-0.0106	0.0384	0.7821	-0.086	0.0647	0.989	0.918	1.067
At Least Some College	0.0611	0.0341	0.0733	-0.00577	0.1279	1.063	0.994	1.136
Source of Payment (Reference Group: FFS)								
HMO	-0.1645	0.0708	0.0201	-0.3033	-0.0258	0.848	0.738	0.975
Federal	-0.0001	0.0728	0.9989	-0.1427	0.1425	1	0.867	1.153
Federal MC	0.0936	0.0782	0.2309	-0.0595	0.2468	1.098	0.942	1.28
Other MC	0.0541	0.2484	0.8274	-0.4327	0.5409	1.056	0.649	1.718
Other	-0.2437	0.1638	0.1367	-0.5647	0.0772	0.784	0.569	1.08
Uninsured	-0.5372	0.1702	0.0016	-0.8708	-0.2035	0.584	0.419	0.816
Data Description: CA hospital data 1995-2009; CL- Confidence Limit								

Table 9b. Risk Estimate Adjusted Model with complications of prematurity- 14 Day

	Estimate	Std Dev	P-Value	Estimate LCL	Estimate UCL	OR	OR LCL	OR UCL
Intercept	-3.5099	0.0671	<.0001	-3.6414	-3.3783			
Gestational Age (Reference Group: 34 Weeks)								
23	-0.2168	0.1033	0.0358	-0.4191	-0.0144	0.805	0.658	0.986
24	0.1983	0.0772	0.0102	0.047	0.3495	1.219	1.048	1.418
25	0.1122	0.0725	0.1218	-0.0299	0.2544	1.119	0.97	1.29
26	0.2057	0.0655	0.0017	0.0774	0.334	1.228	1.08	1.397
27	0.0888	0.0622	0.1538	-0.0332	0.2108	1.093	0.967	1.235
28	0.0877	0.0568	0.1223	-0.0235	0.1989	1.092	0.977	1.22
29	0.0793	0.0511	0.1211	-0.021	0.1795	1.082	0.979	1.197
30	-0.0291	0.0462	0.5286	-0.1196	0.0614	0.971	0.887	1.063
31	-0.0841	0.0414	0.0421	-0.1651	-0.003	0.919	0.848	0.997
32	-0.0897	0.0358	0.0122	-0.1597	-0.0196	0.914	0.852	0.981
33	-0.121	0.0308	<.0001	-0.1814	-0.0607	0.886	0.834	0.941
Male	0.1373	0.0214	<.0001	0.0954	0.1791	1.147	1.1	1.196
BPD	0.2573	0.0537	<.0001	0.1521	0.3626	1.293	1.164	1.437
ROP	0.2381	0.0474	<.0001	0.1452	0.3309	1.269	1.156	1.392
NEC	0.3644	0.0686	<.0001	0.2299	0.4989	1.44	1.258	1.647
IVH Any	-0.00547	0.0518	0.9158	-0.1069	0.096	0.995	0.899	1.101
Maternal Race/Ethnicity (Reference Group: White, Non-Hispanic)								
Black	-0.1389	0.0409	0.0007	-0.2192	-0.0586	0.87	0.803	0.943
Hispanic	0.0263	0.0273	0.3356	-0.0272	0.0797	1.027	0.973	1.083
Asian/ Pacific Islander	-0.0252	0.0364	0.4893	-0.0964	0.0461	0.975	0.908	1.047
Maternal Age Group (Reference Group: 18-35 Years)								
< 18	-0.0644	0.0503	0.1999	-0.1629	0.0341	0.938	0.85	1.035
> 35	-0.0854	0.0311	0.0061	-0.1464	-0.0243	0.918	0.864	0.976
Maternal Education (Reference Group: High School Diploma/GED)								
No High School	-0.1424	0.0388	0.0002	-0.2184	-0.0664	0.867	0.804	0.936
Some High School	0.023	0.0314	0.4632	-0.0385	0.0845	1.023	0.962	1.088
At Least Some College	0.0448	0.0284	0.1143	-0.0108	0.1004	1.046	0.989	1.106
Source of Payment (Reference Group: FFS)								
HMO	-0.0637	0.0623	0.3066	-0.1858	0.0584	0.938	0.83	1.06
Federal	0.1376	0.0637	0.0307	0.0128	0.2625	1.148	1.013	1.3
Federal MC	0.2879	0.0675	<.0001	0.1556	0.4203	1.334	1.168	1.522
Other MC	0.1181	0.2125	0.5782	-0.2983	0.5346	1.125	0.742	1.707
Other	-0.0894	0.1354	0.5094	-0.3548	0.1761	0.915	0.701	1.193
Uninsured	-0.6006	0.1527	<.0001	-0.8999	-0.3013	0.548	0.407	0.74
Data Description: CA hospital data 1995-2009; CL- Confidence Limit								

	Estimate	Std Dev	P-Value	Estimate LCL	Estimate UCL	OR	OR LCL	OR UCL
Intercept	-3.2346	0.0566	<.0001	-3.3456	-3.1237			

Gestational Age (Reference Group: 34 Weeks)								
23	-0.2723	0.0837	0.0011	-0.4364	-0.1082	0.762	0.646	0.897
24	0.1058	0.0635	0.0956	-0.0186	0.2303	1.112	0.982	1.259
25	0.1045	0.0577	0.07	-0.00854	0.2175	1.11	0.991	1.243
26	0.1568	0.0532	0.0032	0.0526	0.261	1.17	1.054	1.298
27	0.1135	0.0493	0.0213	0.0169	0.21	1.12	1.017	1.234
28	0.0938	0.0455	0.0392	0.00466	0.1829	1.098	1.005	1.201
29	0.082	0.0412	0.0465	0.00128	0.1628	1.085	1.001	1.177
30	0.0172	0.0367	0.6387	-0.0547	0.0892	1.017	0.947	1.093
31	-0.00013	0.0325	0.9968	-0.0639	0.0636	1	0.938	1.066
32	-0.0384	0.0286	0.1791	-0.0944	0.0176	0.962	0.91	1.018
33	-0.0551	0.0246	0.025	-0.1032	-0.00692	0.946	0.902	0.993
Male	0.1629	0.0171	<.0001	0.1294	0.1964	1.177	1.138	1.217
BPD	0.2927	0.0421	<.0001	0.2102	0.3753	1.34	1.234	1.455
ROP	0.367	0.0367	<.0001	0.295	0.439	1.443	1.343	1.551
NEC	0.4184	0.0535	<.0001	0.3135	0.5233	1.52	1.368	1.688
IVH Any	0.1234	0.0395	0.0018	0.046	0.2008	1.131	1.047	1.222
Maternal Race/Ethnicity (Reference Group: White, Non-Hispanic)								
Black	-0.0646	0.0321	0.0446	-0.1276	-0.00155	0.937	0.88	0.998
Hispanic	0.0613	0.0219	0.0052	0.0182	0.1043	1.063	1.018	1.11
Asian/ Pacific Islander	-0.0387	0.0297	0.193	-0.097	0.0196	0.962	0.908	1.02
Maternal Age Group (Reference Group: 18-35 Years)								
< 18	-0.0348	0.0394	0.3779	-0.112	0.0425	0.966	0.894	1.043
> 35	-0.0748	0.025	0.0028	-0.1238	-0.0258	0.928	0.884	0.975
Maternal Education (Reference Group: High School Diploma/GED)								
No High School	-0.1333	0.0306	<.0001	-0.1932	-0.0733	0.875	0.824	0.929
Some High School	0.00985	0.0249	0.6925	-0.039	0.0587	1.01	0.962	1.06
At Least Some College	0.0419	0.0228	0.0662	-0.00281	0.0866	1.043	0.997	1.09
Source of Payment (Reference Group: FFS)								
HMO	0.019	0.0529	0.7196	-0.0847	0.1227	1.019	0.919	1.131
Federal	0.2969	0.0538	<.0001	0.1914	0.4025	1.346	1.211	1.496
Federal MC	0.5134	0.0565	<.0001	0.4027	0.6241	1.671	1.496	1.866
Other MC	0.1771	0.1767	0.3164	-0.1693	0.5234	1.194	0.844	1.688
Other	-0.192	0.1196	0.1085	-0.4264	0.0425	0.825	0.653	1.043
Uninsured	-0.4634	0.1223	0.0002	-0.7032	-0.2237	0.629	0.495	0.8
Data Description: CA hospital data 1995-2009; CL- Confidence Limit								

Table 9d. Risk Estimate Adjusted Model with complications of prematurity- 90 Day								
	Estimate	Std Dev	P-Value	Estimate LCL	Estimate UCL	OR	OR LCL	OR UCL
Intercept	-2.7775	0.0443	<.0001	-2.8643	-2.6906			
Gestational Age (Reference Group: 34 Weeks)								
23	-0.3607	0.0643	<.0001	-0.4867	-0.2348	0.697	0.615	0.791
24	-0.0177	0.0501	0.7238	-0.1159	0.0805	0.982	0.891	1.084

25	0.028	0.0447	0.5305	-0.0596	0.1157	1.028	0.942	1.123
26	0.0728	0.0414	0.0785	-0.0083	0.154	1.076	0.992	1.166
27	0.1271	0.0371	0.0006	0.0543	0.1998	1.135	1.056	1.221
28	0.1458	0.0338	<.0001	0.0795	0.212	1.157	1.083	1.236
29	0.0646	0.0312	0.0384	0.00344	0.1258	1.067	1.003	1.134
30	0.0518	0.0273	0.0576	-0.00168	0.1052	1.053	0.998	1.111
31	0.00395	0.0244	0.8712	-0.0438	0.0517	1.004	0.957	1.053
32	-0.0251	0.0213	0.2396	-0.0668	0.0167	0.975	0.935	1.017
33	-0.012	0.0182	0.5088	-0.0477	0.0236	0.988	0.953	1.024
Male	0.2106	0.0128	<.0001	0.1855	0.2358	1.234	1.204	1.266
BPD	0.3548	0.0321	<.0001	0.2919	0.4177	1.426	1.339	1.518
ROP	0.4181	0.0279	<.0001	0.3634	0.4729	1.519	1.438	1.605
NEC	0.3965	0.0419	<.0001	0.3145	0.4786	1.487	1.37	1.614
IVH Any	0.1164	0.0303	0.0001	0.0571	0.1757	1.123	1.059	1.192
Maternal Race/Ethnicity (Reference Group: White, Non-Hispanic)								
Black	0.0929	0.0234	<.0001	0.047	0.1388	1.097	1.048	1.149
Hispanic	0.1321	0.0166	<.0001	0.0996	0.1646	1.141	1.105	1.179
Asian/ Pacific Islander	-0.0533	0.0227	0.0189	-0.0979	-0.00881	0.948	0.907	0.991
Maternal Age Group (Reference Group: 18-35 Years)								
< 18	-0.0123	0.0291	0.6726	-0.0694	0.0448	0.988	0.933	1.046
> 35	-0.0245	0.0185	0.185	-0.0608	0.0117	0.976	0.941	1.012
Maternal Education (Reference Group: High School Diploma/GED)								
No High School	-0.1192	0.0228	<.0001	-0.1638	-0.0745	0.888	0.849	0.928
Some High School	0.0341	0.0186	0.0668	-0.00236	0.0705	1.035	0.998	1.073
At Least Some College	0.0412	0.0171	0.0164	0.00756	0.0748	1.042	1.008	1.078
Source of Payment (Reference Group: FFS)								
HMO	0.1401	0.0416	0.0008	0.0586	0.2215	1.15	1.06	1.248
Federal	0.4132	0.0422	<.0001	0.3303	0.496	1.512	1.391	1.642
Federal MC	0.7154	0.044	<.0001	0.6291	0.8016	2.045	1.876	2.229
Other MC	0.3432	0.1318	0.0092	0.0848	0.6016	1.409	1.088	1.825
Other	0.011	0.0875	0.9004	-0.1606	0.1825	1.011	0.852	1.2
Uninsured	-0.527	0.0969	<.0001	-0.7169	-0.3371	0.59	0.488	0.714
Data Description: CA hospital data 1995-2009; CL- Confidence Limit								

Table 9e. Risk Estimate Adjusted Model with complications of prematurity- 365 Day								
	Estimate	Std Dev	P-Value	Estimate LCL	Estimate UCL	OR	OR LCL	OR UCL
Intercept	-2.1507	0.034	<.0001	-2.2174	-2.084			
Gestational Age (Reference Group: 34 Weeks)								
23	-0.5963	0.0522	<.0001	-0.6985	-0.4941	0.551	0.497	0.61
24	-0.2557	0.0417	<.0001	-0.3375	-0.1739	0.774	0.714	0.84
25	-0.1159	0.0365	0.0015	-0.1874	-0.0444	0.891	0.829	0.957
26	-0.0232	0.0333	0.4858	-0.0885	0.0421	0.977	0.915	1.043
27	0.0542	0.0296	0.0675	-0.00391	0.1123	1.056	0.996	1.119

28	0.00723	0.0272	0.7907	-0.0461	0.0606	1.007	0.955	1.062
29	0.0149	0.0243	0.5407	-0.0327	0.0625	1.015	0.968	1.064
30	0.00878	0.021	0.676	-0.0324	0.05	1.009	0.968	1.051
31	-0.0139	0.0185	0.4517	-0.0502	0.0224	0.986	0.951	1.023
32	-0.0184	0.016	0.2493	-0.0498	0.0129	0.982	0.951	1.013
33	-0.0076	0.0137	0.578	-0.0344	0.0192	0.992	0.966	1.019
Male	0.2008	0.00978	<.0001	0.1817	0.22	1.222	1.199	1.246
BPD	0.2833	0.0268	<.0001	0.2307	0.3359	1.328	1.259	1.399
ROP	0.3818	0.023	<.0001	0.3368	0.4268	1.465	1.4	1.532
NEC	0.2642	0.0359	<.0001	0.1939	0.3344	1.302	1.214	1.397
IVH Any	0.111	0.0245	<.0001	0.063	0.1591	1.117	1.065	1.172
Maternal Race/Ethnicity (Reference Group: White, Non-Hispanic)								
Black	0.1458	0.0182	<.0001	0.1102	0.1814	1.157	1.116	1.199
Hispanic	0.2644	0.0127	<.0001	0.2395	0.2894	1.303	1.271	1.336
Asian/ Pacific Islander	-0.0139	0.0173	0.4235	-0.0479	0.0201	0.986	0.953	1.02
Maternal Age Group (Reference Group: 18-35 Years)								
< 18	-0.049	0.0225	0.0296	-0.0932	-0.00486	0.952	0.911	0.995
> 35	0.00524	0.014	0.7084	-0.0222	0.0327	1.005	0.978	1.033
Maternal Education (Reference Group: High School Diploma/GED)								
No High School	-0.1196	0.0173	<.0001	-0.1535	-0.0857	0.887	0.858	0.918
Some High School	0.0589	0.0143	<.0001	0.0309	0.0869	1.061	1.031	1.091
At Least Some College	0.076	0.0131	<.0001	0.0503	0.1018	1.079	1.052	1.107
Source of Payment (Reference Group: FFS)								
HMO	0.2154	0.0319	<.0001	0.1528	0.2779	1.24	1.165	1.32
Federal	0.4822	0.0324	<.0001	0.4186	0.5458	1.62	1.52	1.726
Federal MC	0.8861	0.0339	<.0001	0.8197	0.9524	2.426	2.27	2.592
Other MC	0.4441	0.1009	<.0001	0.2463	0.6419	1.559	1.279	1.9
Other	0.1658	0.0647	0.0104	0.039	0.2926	1.18	1.04	1.34
Uninsured	-0.7542	0.0783	<.0001	-0.9078	-0.6007	0.47	0.403	0.548
Data Description: CA hospital data 1995-2009; CL- Confidence Limit								

Table 10: California-Hospital Volume Validity Testing

Table 10. California-Hospital Volume Validity Testing										
	Unadjusted					Adjusted				
Quartile	7 day	14 day	30 day	90 day	365 day	7 day	14 day	30 day	90 day	365 day
Lowest	0.030	0.040	0.060	0.104	0.185	0.029	0.040	0.060	0.105	0.190
2	0.027	0.038	0.058	0.104	0.187	0.027	0.037	0.057	0.102	0.185
3	0.023	0.032	0.050	0.093	0.173	0.023	0.032	0.050	0.094	0.174
Highest	0.020	0.032	0.052	0.102	0.201	0.020	0.032	0.052	0.101	0.201
P-value, test of trend	0.009	0.042	0.152	0.542	0.629	0.01	0.038	0.147	0.506	0.758
	Unadjusted					Adjusted				
Quintile	7 day	14 day	30 day	90 day	365 day	7 day	14 day	30 day	90 day	365 day
Lowest	0.031	0.041	0.062	0.109	0.191	0.030	0.041	0.062	0.110	0.198
2	0.030	0.039	0.059	0.104	0.187	0.029	0.038	0.057	0.101	0.182
3	0.024	0.034	0.053	0.096	0.173	0.024	0.034	0.053	0.096	0.173
4	0.022	0.032	0.051	0.097	0.185	0.022	0.033	0.051	0.098	0.187
Highest	0.020	0.032	0.052	0.101	0.200	0.020	0.032	0.052	0.101	0.199
P-value, test of trend	0.008	0.012	0.032	0.228	0.666	0.007	0.009	0.032	0.267	0.858

Table 11: Correlation with Complication Rates

Table 11. Correlation with Complication Rates						
Unadjusted 1 year results (Spearman)						
	7 day	14 day	30 day	90 day	365 day	
7 day						
14 day	0.9					
30 day	0.77	0.87				
90 day	0.61	0.71	0.83			
365 day	0.47	0.57	0.69	0.87		
BPD	0.07	0.1	0.12	0.1	0.08	
ROP	0.09	0.12	0.14	0.14	0.12	
NEC	0.08	0.11	0.13	0.12	0.1	
IVH	0.1	0.13	0.16	0.15	0.13	
Adjusted 1 year results (Spearman)						
	7 day	14 day	30 day	90 day	365 day	
7 day						
14 day	0.9					
30 day	0.76	0.87				
90 day	0.61	0.71	0.83			
365 day	0.47	0.57	0.69	0.87		
BPD	0.08	0.1	0.12	0.1	0.08	
ROP	0.09	0.12	0.14	0.14	0.13	
NEC	0.08	0.11	0.12	0.11	0.1	
IVH	0.1	0.12	0.16	0.15	0.13	