

**A**

**For Discussion Purposes Only**  
**Congenital Adrenal Hyperplasia and Congenital Hypothyroidism**  
**Results of Initial Newborn Screening 2005 and 2006**  
**From Michigan, Ohio, Minnesota, Indiana, and Wisconsin**

**Endocrine Project Report**  
**Region 4 Genetics Collaborative**  
**May 22, 2008**  
**Okemos, Michigan**

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**Preliminary Results**

## **17-OHP Initial Screening Results**

DRAFT

State "A" Initial CAH Screening  
For the Period 1-1/05-12/31/2006

Tests where age at collection between 0 and 14 days

	N	Mean 17-OHP	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	249439	19.2150	0	236	15.7742	16	89	114	158
<b>NICU</b>									
Yes	26078	40.5745	2	236	35.6594	29	190	211	226
Not Yes	223361	16.7212	0	226	8.3627	15	44	51	67
<b>Race</b>									
White	162590	19.0691	0	236	14.7695	16	83	107	146
Black	42512	20.7737	2	236	19.7640	16	111	144	192
<b>Gender</b>									
Female	120759	17.6935	1	236	15.1219	14	84	111	157
Male	126285	20.6325	0	236	16.1714	17	93	117	157
<b>Birth Weight</b>									
<2500	23099	37.3982	2	236	36.1512	24	194	213	226
>=2500	226340	17.3593	0	236	10.1815	15	56	71	92
<b>Age at Collection</b>									
1-23	3456	38.5301	2	236	37.8633	25	208	222	226
24-36	212897	19.2376	0	236	14.6895	16	83	107	147
> 36	33086	17.0524	2	236	17.1491	13	98	121	166
<b>Gestation Length</b>									
< = 36 wks	35182	33.8682	2	236	32.1828	23	172	211	222
>=37 wks	214257	16.8089	0	236	8.8639	15	47	58	75
<b>TPN</b>									
Yes	4786	55.0784	2	236	46.9751	39	221	226	235
Not Yes	244653	18.5134	0	236	13.5971	16	76	97	131
<b>Transfused</b>									
Yes	373	58.6220	2	236	57.1464	36	236	236	236
Not Yes	249066	19.1560	0	236	15.5561	16	88	113	154
<b>MultipleBirths</b>									
Yes	8813	36.3419	2	236	32.9053	25	172	211	222
Not Yes	240626	18.5877	0	236	14.3927	16	80	104	144
<b>Test Interpretations</b>									
Normal	243367	18.4294	2	149	12.1763	16	72	87	107
Inconclusive	4549	21.8098	0	198	17.4209	17	96	112	130
Abnormal	1523	136.9961	60	236	46.5367	123	236	236	236
<b>Mean age at collection</b>									
	N	Mean age at collection	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	249441	29.4986	0	334	10.4966	26	59	73	112

State "B" Initial CAH Screening  
For the Period 1-1/05-12/31/2006

Tests where age at collection between 0 and 14 days

	N	Mean 17-OHP	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	144457	17.7424	0	656	13.9959	15	72	95	129
Race									
White	92739	17.5986	0	656	12.3790	15	64	83	114
Black	9930	17.2585	0	570	15.6822	14	81	107	152
Gender									
Female	70207	16.3048	0	570	13.1542	14	66	88	122
Male	73547	19.1152	0	656	14.6330	16	78	102	133
Birth Weight									
<2500	12217	32.6222	0	570	33.1841	22	163	196	245
>=2500	132240	16.3677	0	656	9.4822	15	48	60	79
Age at Collection									
1-23	1087	49.0883	0	425	44.2374	36	211	233	342
24-36	97844	18.0688	0	656	12.1040	16	62	82	112
> 36	45526	16.2923	0	534	15.3041	13	79	102	139
Gestation Length									
< 36 wks	26391	26.2314	0	656	25.9574	19	131	163	209
>=37 wks	118066	15.8448	0	467	8.3281	15	43	51	63
TPN									
Yes	2047	47.4397	0	570	45.1031	34	217	245	305
Not Yes	142410	17.3155	0	656	12.5146	15	65	84	116
Transfused									
Yes	773	54.1061	0	570	59.8046	35	305	425	534
Not Yes	143684	17.5467	0	656	13.0602	15	69	89	120
MultipleBirths									
Yes	2832	27.4075	2	246	24.1278	20	129	148	203
Not Yes	141625	17.5491	0	656	13.6477	15	70	92	125
Test Interpretations									
Negative	143288	17.4302	0	570	12.6340	15	67	86	116
Unsatisfactory	1079	48.5802	0	425	43.5039	36	208	231	342
Positive	85	138.2941	51	656	89.2388	116	656	656	656

Age at Collection

	N	Mean age at Collection	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	144457	36.1719	0	336	27.9421	31	171	307	329

State "C" Initial CAH Screening  
For the Period 1-1/05-12/31/2006

Tests where age at collection between 0 and 14 days

	N	Mean 17-OHP	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	298081	19.5485	0	632	15.5103	16	82	109	153
NICU									
Yes	24386	39.6231	0	632	38.8020	28	194	233	273
Not Yes	273695	17.7599	0	562	9.4211	16	48	54	75
Race									
White	215988	19.3993	0	632	14.7208	16	78	103	141
Black	43881	20.5566	0	525	19.1839	16	105	143	189
Gender									
Female	143284	17.9916	0	632	14.7089	15	76	104	148
Male	150081	21.0438	0	562	16.0813	18	87	114	160
Birth Weight									
<2500	26256	36.3363	1	632	36.8299	24	189	225	268
>=2500	271825	17.9270	0	562	10.1458	16	51	63	86
Age at Collection									
1-23	1730	50.6503	4	525	48.0791	36	247	282	363
24-36	223501	19.6615	0	562	13.4896	17	67	94	133
> 36	72850	18.4633	0	632	18.6284	14	99	128	171
Gestation Length									
< 36 wks	47986	30.3397	0	632	30.3792	21	163	197	252
>=37 wks	250095	17.4780	0	562	9.1117	16	47	53	71
TPN									
Yes	5619	55.1716	1	632	51.3256	38	253	277	328
Not Yes	292462	18.8641	0	562	13.0284	16	67	90	122
Transfused									
Yes	260	63.9346	2	289	66.9544	38	265	285	289
Not Yes	297821	19.5098	0	632	15.3349	16	81	108	150
MultipleBirths									
Yes	10520	32.5549	1	632	30.0263	24	158	188	224
Not Yes	287561	19.0727	0	562	14.4905	16	74	101	143
Test Interpretations									
Low	294337	18.7660	0	240	11.9987	16	62	79	111
Inconclusive	1863	41.0097	2	243	33.9034	31	181	192	213
High	1880	120.7590	60	632	60.5576	102	354	382	525

Age at Collection

	N	Mean age at Collection	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	298288	33.2719	1	336	16.0397	28	93	117	165

State "D" Initial CAH Screening  
For the Period 1-1/05-12/31/2006

Tests where age at collection between 0 and 14 days

	N	Mean 17-OHP	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	125508	16.1823	0	728	14.0621	13	69	93	133
NICU									
Yes	6469	37.1465	0	426	38.9782	24	197	240	319
Not Yes	119039	15.0430	1	728	10.0376	13	48	61	83
Race									
White	109721	16.1446	1	728	13.5690	13	66	87	127
Black	10379	17.0000	0	387	18.9450	13	101	130	180
Gender									
Female	59883	14.9954	0	728	13.5744	12	65	90	133
Male	63034	17.3259	1	585	14.4659	14	72	98	133
Age at Collection									
1-23	5036	35.6265	0	365	32.0834	26	168	198	276
24-36	10278	18.3151	1	728	15.8391	16	63	95	152
> 36	110194	15.0947	1	585	11.6579	13	55	75	107
Gestation Length									
< 36 wks	5399	35.4125	0	426	35.4943	24	180	221	295
>=37 wks	120109	15.3179	1	728	11.5169	13	54	72	101
Transfused									
Yes	137	53.5547	1	324	54.7767	37	303	324	324
Not Yes	125371	16.1414	0	728	13.8987	13	68	92	131
MultipleBirths									
Yes	3520	24.4011	2	363	24.5694	18	126	170	210
Not Yes	121988	15.9451	0	728	13.5657	13	66	88	128
Test Interpretations									
Normal	124057	15.2443	1	135	9.2941	13	48	59	77
Borderline	1100	75.8736	38	159	24.6704	68	152	155	158
Increased	349	161.4699	0	728	76.5194	146	426	585	728

Age at Collection

	N	Mean age at Collection	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	125509	51.9375	0	336	22.5810	48	152	167	204

State "E" Initial CAH Screening  
For the Period 1-1/05-12/31/2006

Tests where age at collection between 1 and 14 days

	N	Mean 17-OHP	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	138852	14.9969	0	399	12.8029	13	63	90	133
<b>NICU</b>									
Yes	0	0	0	0	0	0	0	0	0
Not Yes	138852	14.9969	0	399	12.8029	13	63	90	133
<b>Race</b>									
White	99971	14.9381	0	362	11.9067	13	58	81	121
Black	14591	16.1289	0	399	17.8224	12	96	140	191
<b>Gender</b>									
Female	66836	13.7291	0	254	11.8800	12	58	83	127
Male	70181	16.1868	0	399	13.4897	14	67	94	140
<b>Birth Weight</b>									
<2500	14770	25.9288	1	399	29.5393	17	163	207	223
>=2500	124082	13.6957	0	223	7.9780	12	40	47	64
<b>Age at Collection</b>									
1-23	2394	31.5422	2	237	34.7435	14	207	223	236
24-36	60792	15.9836	0	251	10.4968	11	47	64	100
> 36	75666	13.6807	0	399	12.7641	12	64	92	131
<b>Gestation Length</b>									
< 36 wks	15183	27.3262	1	399	29.3159	18	161	206	223
>=37 wks	123669	13.4833	0	223	7.5881	12	38	44	56
<b>TPN</b>									
Yes	639	50.3067	1	399	49.9917	33	236	237	251
Not Yes	138213	14.8337	0	362	12.1386	13	58	82	125
<b>Transfused</b>									
Yes	233	46.9828	2	399	56.4058	25	223	236	399
Not Yes	138619	14.9432	0	362	12.5357	13	62	88	131
<b>MultipleBirths</b>									
Yes	1413	28.0389	2	223	27.7954	19	147	172	222
Not Yes	137439	14.8628	0	399	12.4859	13	60	87	131
<b>Test Interpretations</b>									
Normal	138232	14.5570	0	188	10.3613	13	51	69	99
Borderline	515	108.0816	55	399	56.8031	87	237	254	285
Positive	105	137.6286	90	362	43.1010	133	224	362	362

Age at Collection

	N	Mean Age at Collection	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	138854	41.6973	0	336	22.0163	38	141	161	212

**Healthy White Females**  
**17-OHP Results For the Period 1-1/05-12/31/2006**  
**Tests where age at collection between 24 and 36 hours**

State	N	% of Total	Mean 17-OHP	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
State "A"	59786	24%	15.7750	1	214	7.3123	15	40	45	56
State "B"	29064	20%	15.9934	0	275	7.8992	15	41	48	61
State "C"	71748	24%	16.8694	1	382	7.9547	15	43	49	56

Record Selection Criteria

Race White  
 Gender Female  
 Birth wgt >=2500  
 Nicu not indicated as yes (non-NICU)

Total is all cases where age at collection is less than or equal to 14 days.

**17-OHP Results For the Period 1-1/05-12/31/2006**  
**Tests where age at collection between 24 and 36 hours**

State	N	% of Total	Mean 17-OHP	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
State "A"	53380	21%	15.4723	1	236	7.2765	14	39	46	59
State "B"	24124	17%	15.4062	0	275	7.1508	14	37	42	51
State "C"	60214	20%	16.4017	1	227	7.4031	15	41	46	53
State "D"										
State "E"	16920	12%	13.8470	1	134	6.5720	13	34	39	47

Record Selection Criteria

Race White  
 Gender Female  
 Birth wgt >=2500  
 Gestational age over 37 weeks

Total is all cases where age at collection is less than or equal to 14 days.

**TSH Initial Screening Results**

DRAFT

State "A" Initial CH Screening  
For the Period 1-1/05-12/31/2006

Tests where age at collection between 0 and 14 days

	N	Mean TSH	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	249437	11.8757	0	588	9.2283	11	31	36	44
<b>NICU</b>									
Yes	26076	10.6745	0	588	12.9832	9	41	50	76
Not Yes	223361	12.0159	1	588	8.6740	11	31	34	41
<b>Race</b>									
White	162589	11.9140	0	588	8.8855	11	31	36	43
Black	42511	12.2242	0	588	9.1073	11	33	40	47
<b>Gender</b>									
Female	120756	11.3580	0	588	10.1371	10	31	36	45
Male	126286	12.3533	0	588	8.0779	11	31	36	44
<b>Birth Weight</b>									
<2500	23098	10.8678	0	573	12.0498	9	36	45	59
>=2500	226339	11.9785	1	588	8.8838	11	31	35	43
<b>Age at Collection</b>									
1-23	3455	16.0894	0	496	17.7167	12	83	100	138
24-36	212896	12.2083	1	588	9.0188	11	31	35	42
> 36	33086	9.2954	0	573	8.7557	8	27	31	38
<b>Gestation Length</b>									
< = 36 wks	35181	10.9389	0	588	12.3385	9	34	42	57
>=37 wks	214256	12.0295	1	588	8.6012	11	31	35	43
<b>TPN</b>									
Yes	4785	7.7659	0	573	14.9893	5	30	41	46
Not Yes	244652	11.9561	1	588	9.0608	11	31	36	44
<b>Transfused</b>									
Yes	373	8.6434	0	524	28.8273	4	55	107	524
Not Yes	249064	11.8805	0	588	9.1669	11	31	36	44
<b>MultipleBirths</b>									
Yes	8812	10.6295	1	573	14.9192	9	32	38	54
Not Yes	240625	11.9213	0	588	8.9483	11	31	36	44
<b>Test Interpretations</b>									
Normal	239437	11.5337	1	37	5.7058	11	28	30	31
Inconclusive	7732	12.4053	0	49	8.0540	11	41	45	47
Abnormal	1918	52.6731	14	588	71.1827	37	524	554	573
<b>Mean age at collection</b>									
	N	Mean age at collection	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	249441	29.4986	0	334	10.4966	26	59	73	112

State "B" Initial CH Screening  
For the Period 1-1/05-12/31/2006

Tests where age at collection between 0 and 14 days

	N	Mean TSH	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	144457	9.7692	0	919	9.4224	9	27	31	37
<b>Race</b>									
White	92739	9.8703	0	651	8.9005	9	28	31	36
Black	9930	9.7065	0	358	6.7288	9	27	31	37
<b>Gender</b>									
Female	70207	9.1868	0	919	10.9098	8	27	30	37
Male	73547	10.3243	0	801	7.7251	9	28	31	37
<b>Birth Weight</b>									
<2500	12217	8.4054	0	538	11.0279	7	28	34	47
>=2500	132240	9.8952	0	919	9.2500	9	27	30	36
<b>Age at Collection</b>									
1-23	1087	13.4029	0	111	12.4822	10	67	85	99
24-36	97844	10.8482	0	919	10.0894	10	28	32	37
> 36	45526	7.3636	0	651	7.1142	6	23	26	30
<b>Gestation Length</b>									
< 36 wks	26391	9.0296	0	801	10.5018	8	27	31	43
>=37 wks	118066	9.9345	0	919	9.1557	9	28	31	36
<b>TPN</b>									
Yes	2047	6.0562	0	65	5.6236	5	27	32	40
Not Yes	142410	9.8226	0	919	9.4553	9	28	31	37
<b>Transfused</b>									
Yes	773	6.1449	0	99	8.3559	4	46	64	87
Not Yes	143684	9.7887	0	919	9.4241	9	27	31	37
<b>MultipleBirths</b>									
Yes	2832	8.5625	0	358	10.7306	7	27	33	56
Not Yes	141625	9.7933	0	919	9.3929	9	28	31	37
<b>Test Interpretations</b>									
Negative	142983	9.5514	0	538	5.5339	9	26	28	31
Borderline	340	38.9676	24	64	7.1628	38	58	59	64
Positive	85	235.0941	13	919	210.9432	131	919	919	919

Age at Collection

	N	Mean age at Collection	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	144457	36.1719	0	336	27.9421	31	171	307	329

State "C" Initial CH Screening  
For the Period 1-1/05-12/31/2006

Tests where age at collection between 0 and 14 days

	N	Mean TSH	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	298081	11.0120	0	1220	10.2783	10	29	34	41
NICU									
Yes	24386	8.2962	0	860	14.7876	6	35	46	67
Not Yes	273695	11.2540	0	1220	9.7394	10	29	33	39
Race									
White	215988	10.8730	0	1220	10.2006	10	29	33	40
Black	43881	11.3249	0	484	6.9671	10	32	37	43
Gender									
Female	143284	10.5558	0	1220	12.0227	9	29	34	42
Male	150081	11.4543	0	807	8.2886	11	30	34	40
Birth Weight									
<2500	26256	9.2423	0	974	11.7281	8	32	40	56
>=2500	271825	11.1829	0	1220	10.1109	10	29	34	40
Age at Collection									
1-23	1730	17.1983	0	111	14.9932	13	75	82	99
24-36	223501	11.9718	0	1220	10.4014	11	30	34	40
> 36	72850	7.9205	0	860	9.0395	7	24	28	34
Gestation Length									
< 36 wks	47986	9.6236	0	807	10.3948	8	30	37	48
>=37 wks	250095	11.2784	0	1220	10.2343	10	29	34	40
TPN									
Yes	5619	6.1538	0	666	13.4433	4	25	32	40
Not Yes	292462	11.1053	0	1220	10.1852	10	30	34	41
Transfused									
Yes	260	7.1423	0	68	9.5221	4	50	59	68
Not Yes	297821	11.0154	0	1220	10.2783	10	29	34	41
MultipleBirths									
Yes	10520	9.1692	0	394	8.7017	8	29	36	46
Not Yes	287561	11.0794	0	1220	10.3252	10	30	34	41
Test Interpretations									
Low	295996	10.7238	0	34	5.5628	10	27	29	31
Moderate	1716	30.7395	0	50	14.0814	36	49	49	50
High	368	150.8614	28	1220	196.0136	61	890	974	1220

Age at Collection

	N	Mean age at Collection	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	298288	33.2719	1	336	16.0397	28	93	117	165

State "D" Initial CH Screening  
For the Period 1-1/05-12/31/2006

Tests where age at collection between 0 and 14 days

	N	Mean TSH	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	125336	7.3438	0	1378	10.1283	6	27	36	54
<b>NICU</b>									
Yes	6393	7.3552	0	558	13.6636	4	61	84	112
Not Yes	118943	7.3432	0	1378	9.9027	6	26	32	46
<b>Race</b>									
White	109575	7.2145	0	997	9.2937	6	27	34	51
Black	10360	8.6715	0	273	8.5788	7	36	50	75
<b>Gender</b>									
Female	59807	6.7952	0	997	11.0263	5	27	36	58
Male	62940	7.8628	0	1378	8.7578	6	28	36	51
<b>Age at Collection</b>									
1-23	5036	19.6007	0	186	16.4630	15	87	107	125
24-36	10276	9.9662	0	791	9.6665	9	27	31	35
> 36	110024	6.5379	0	1378	9.3574	5	22	24	29
<b>Gestation Length</b>									
< 36 wks	5351	7.1282	0	558	13.2940	4	60	75	100
>=37 wks	119985	7.3534	0	1378	9.9637	6	26	33	47
<b>Transfused</b>									
Yes	125	5.3520	0	112	10.9215	3	41	112	112
Not Yes	125211	7.3458	0	1378	10.1273	6	27	36	54
<b>MultipleBirths</b>									
Yes	3511	6.6454	0	144	8.5436	5	43	61	84
Not Yes	121825	7.3639	0	1378	10.1696	6	27	35	52
<b>Risk</b>									
Normal	123756	6.8361	0	142	4.6130	6	22	23	24
Borderline	1413	34.7841	23	65	9.3499	32	63	64	65
Increased	164	154.1463	52	1378	183.1892	94	997	1378	1378

Age at Collection

	N	Mean age at Collection	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	125506	51.9377	0	336	22.5812	48	152	167	204

State "E" Initial CH Screening  
For the Period 1-1/05-12/31/2006

Tests where age at collection between 1 and 14 days

	N	Mean TSH	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	138849	8.4036	1	586	9.1357	7	27	31	38
<b>NICU</b>									
Yes	0	0	0	0	0	0	0	0	0
Not Yes	138849	8.4036	1	586	9.1357	7	27	31	38
<b>Race</b>									
White	99968	8.3317	1	586	9.0692	7	26	30	37
Black	14591	8.9920	2	329	6.6937	8	29	33	39
<b>Gender</b>									
Female	66834	7.8375	1	586	10.3490	6	26	30	38
Male	70181	8.9346	2	557	7.8487	8	27	31	37
<b>Birth Weight</b>									
<2500	14770	7.4969	2	364	7.4787	6	28	33	44
>=2500	124079	8.5116	1	586	9.3075	7	27	30	37
<b>Age at Collection</b>									
1-23	2394	12.0096	2	129	10.4575	9	56	66	82
24-36	60789	10.1695	2	557	8.9144	6	28	32	38
> 36	75666	6.8709	1	586	8.9771	6	23	26	31
<b>Gestation Length</b>									
< 36 wks	15183	7.0514	2	535	9.2644	5	27	32	45
>=37 wks	123666	8.5697	1	586	9.1060	7	27	30	37
<b>TPN</b>									
Yes	639	4.9218	2	60	5.0060	3	23	25	31
Not Yes	138210	8.4197	1	586	9.1474	7	27	31	38
<b>Transfused</b>									
Yes	233	6.0300	2	66	6.7699	4	31	41	66
Not Yes	138616	8.4076	1	586	9.1387	7	27	31	37
<b>MultipleBirths</b>									
Yes	1413	7.0906	2	303	10.4888	5	27	30	55
Not Yes	137436	8.4171	1	586	9.1198	7	27	31	37
<b>Test Interpretations</b>									
Normal	138184	8.1514	1	36	5.3352	7	25	27	29
Borderline	399	33.0476	30	43	3.3886	32	42	42	43
Positive	139	158.4101	20	586	173.0573	64	557	586	586
Call	127	41.2598	37	49	3.5994	41	49	49	49

**Age at Collection**

	N	Mean Age at Collection	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
All cases	138854	41.6973	0	336	22.0163	38	141	161	212

**Healthy White Females**  
**CH Results for the Period 1-1/05-12/31/2006**  
 Tests where age at collection between 24 and 36 hours

State	N	% of								
		Total	Mean TSH	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
State "A"	59785	24%	11.7433	2	588	8.7011	11	30	32	40
State "B"	29064	20%	10.3005	0	638	10.3922	9	27	30	36
State "C"	71748	24%	11.3123	0	1220	11.0196	10	29	32	38

Selection Criteria

Race White  
 Gender Female  
 Birth wgt >=2500  
 Nicu not indicated as yes (non-NICU)

Total is all cases where age at collection is less than or equal to 14 days.

**CH Results for the Period 1-1/05-12/31/2006**  
 Tests where age at collection between 24 and 36 hours

State	N	% of								
		Total	Mean TSH	Min	Max	Std Dev	Median	99 Pctl	99.5 Pctl	99.8 Pctl
State "A"	53379	21%	11.8043	2	588	8.2427	11	30	32	40
State "B"	24124	17%	10.3746	0	638	10.4971	9	27	30	36
State "C"	60214	20%	11.4201	0	1220	11.1769	10	29	32	39
State "D"										
State "E"	16919	12%	9.5125	2	506	8.9980	8	27	31	37

Selection Criteria

Race White  
 Gender Female  
 Birth wgt >=2500  
 Gestational age over 37 weeks

Total is all cases where age at collection is less than or equal to 14 days.