

Breast Cancer Screening

SYSTEM OF CARE	CY 1999			APRSA Medicaid HEDIS Database Project Mean	CY 2000			NCQA Year 2000 Medicaid Mean
	Number of Mamm.	Eligible Population	Rate		Number of Mamm.	Eligible Population	Rate	
Access 1▶	4417	9030	48.9%	This measure was not included in the project.	5911	11863	49.8%	53.70%
Access 2/3▶	-	*NA	-		942	1875	50.2%	
FFS▶	14733	33512	43.9%		13970	31850	43.9%	
Aggregate HMO▶	51	100	51.0%		206	445	46.3%	
Southcare▶▶	-	*NA	-		-	*NA	-	
The Wellness Plan▶▶	34	21	61.76%		-	**DNR	-	
UnitedHealthcare▶▶	-	*NA	-		-	*NA	-	

Cervical Cancer Screening

COMMENTS:

Women with cervical cancer screenings were identified over a 3-year time period using HEDIS® criteria. While the goal was to capture all cervical cancer screenings, it was difficult to ascertain whether all Pap smears were counted. During the measurement year, providers were allowed to bill NC DMA for Adult Preventive Medicine screenings as a package of services (which could include Pap smears) with an internal billing code or to bill the Pap smear as a separate procedure. Therefore, the screenings billed with the internal billing code was not used in the data retrieval, as it was not possible to ascertain whether the Pap smear was actually performed unless medical record review was performed.

SYSTEM OF CARE	CY 1999			APRSA Medicaid HEDIS Database Project Mean	CY 2000			NCQA Year 2000 Medicaid Mean
	Number of Pap Smears	Eligible Population	Rate		Nuber of Pap Smears	Eligible Population	Rate	
Access 1▶	22382	41371	54.1%	59.1%	27899	52198	53.4%	57.53%
Access 2/3▶	3433	7012	48.9%		4196	8734	48.0%	
FFS▶	23138	65844	35.1%		21690	64838	33.5%	
Aggregate HMO▶	1545	3293	46.9%		2136	4156	51.4%	
Southcare▶▶	-	*NA	-		-	*NA	-	
The Wellness Plan▶▶	236	411	57.42%		-	**DNR	-	
UnitedHealthcare▶▶	-	*NA	-		221	411	53.77%	

▶ - Administrative data collected by NC DMA

*NA- Population not adequate to perform measure

▶▶ - Data (administrative and/or hybrid) reported by HMO

***DNR- Plan did not report any data

Diabetic Retinal Eye Exam

COMMENTS:

Diabetics were identified over a 2-year time period using HEDIS® criteria, including prescription drugs (list of drugs retrieved from the NCQA website). Medicaid provides drug coverage for all recipients, including an out-of-plan benefit for recipients enrolled in an HMO. The provider specialty for the billed eye exam was limited to ophthalmology, optometrist, and DSB Eye Clinic. The insulin list of drugs was a subset of the prescriptions used to identify diabetics (NCQA website). The codes used for evidence of retinopathy were ('362.0', '362.01', '362.02').

SYSTEM OF CARE	CY 1999			APHS Medicaid HEDIS Database Project Mean	CY 2000			NCQA Year 2000 Medicaid Mean
	Number of Eye Exams	Eligible Populaiton	Rate		Number of Eye Exams	Eligible Population	Rate	
Access 1▶	4768	10467	45.5%	40.4%	6418	13728	45.5%	41.01%
Access 2/3▶	739	1849	40.0%		954	2240	42.6%	
FFS▶	14849	32632	45.5%		15081	32682	46.1%	
Aggregate HMO▶	82	477	17.2%		138	570	24.2%	
Southcare▶▶	-	*NA	-		97	170	57%	
The Wellness Plan▶▶	32	97	32.99%		-	**DNR	-	
UnitedHealthcare▶▶	-	*NA	-		24	55	43.64%	

Childhood Immunization Rate 1

COMMENTS:

Due to the 3-year time frame of the data warehouse, the data for the first 3 months of 1997 was not available when the initial claims were retrieved. This data was retrieved from the mainframe system, which is the original storage of all claims and then combined with the Data Warehouse data in order to complete the full 3 years (1997-1999). Additionally, the NC Immunization Registry maintains a database of all children that encounter the Public Health Department in NC, which includes specific records of all immunizations given at the Health Department. Once the eligible population was identified for both of these measures, the demographics were sent to the Immunization Registry. The NC Immunization Registry matched our demographic data to their database and provided administrative data on immunizations provided by the county Health Departments. This administrative data was then combined with all claims and encounter data. Duplicate procedures were eliminated and rates were calculated according to HEDIS® technical specifications.

SYSTEM OF CARE	CY 1999			APRSA Medicaid HEDIS Database Project Mean	CY 2000			NCQA Year 2000 Medicaid Mean
	Number All Imm.	Eligible Population	Rate		Number All Imm.	Eligible Population	Rate	
Access 1▶	4888	8612	56.8%	(Rate 1 without Varicella) 52.2%	6857	11542	59.41%	(Rate 1 without Varicella) 51.32%
Access 2/3▶	2085	3674	56.7%		4006	7103	56.40%	
FFS▶	7523	14335	52.5%		5241	10359	50.59%	
Aggregate HMO▶	333	1058	31.5%		510	1419	35.94%	
Southcare▶▶	-	*NA	-		26	39	67%	
The Wellness Plan▶▶	145	367	39.51%		-	**DNR	-	
UnitedHealthcare▶▶	-	*NA	-		52	92	56.52%	

▶ - Administrative data collected by NC DMA

*NA- Population not adequate to perform measure

▶▶ - Data (administrative and/or hybrid) reported by HMO

***DNR- Plan did not report any data

Adolescent Immunization Rate 1

COMMENTS:

See comments on Childhood Immunizations

SYSTEM OF CARE	CY 1999			APRSA Medicaid HEDIS Database Project Mean	CY 2000			NCQA Year 2000 Medicaid Mean
	Number All Imm.	Eligible Population	Rate		Number All Imm.	Eligible Population	Rate	
Access 1▶	1322	5064	26.1%	(% of children who received 2 nd MMR) 51.0%	1898	6848	27.7%	(Combination Rate 1) 22.39%
Access 2/3▶	505	1831	27.6%		1045	3434	30.4%	
FFS▶	1811	7553	24.0%		1215	5568	21.8%	
Aggregate HMO▶	46	447	10.3%		13	46	28.3%	
Southcare▶▶	-	*NA	-		-	*NA	-	
The Wellness Plan▶▶	26	141	18.44%		-	**DNR	-	
UnitedHealthcare▶▶	-	*NA	-		11	39	28.21%	

Prenatal Care in the First Trimester

COMMENTS:

When compiling the table of live births in 1999, one of the technical specifications required a match of mother with the child. This match was only available through records that linked a Case Head with dependents. Since the mother who delivered is not always the Case Head, the number of matches was reduced. Of the 21,596 infants with delivery codes in their records, 17,651 could be matched. The total number of confirmed live births matching HEDIS® specifications were 35,378. It should also be noted that physicians most often bill pregnancy and delivery related charges as a bundled package which present a difficulty in isolating the first prenatal visit and can contribute to under reporting. NC DMA pulled data for CY 1999 and CY 2000 using HEDIS 2000 Technical Specifications while individual HMOs used 2001 HEDIS Technical Specifications for CY 2000 data.

SYSTEM OF CARE	CY 1999			APHS Medicaid HEDIS Database Project Mean	CY 2000			NCQA Year 2000 Medicaid Mean
	Number With Prenatal Care	Eligible Population	Rate		Number With Prenatal Care	Eligible Population	Rate	
Access 1▶	841	2336	36.00%	59.2%	921	2757	33.4%	59.98%
Access 2/3▶	186	384	48.44%		249	564	44.1%	
FFS▶	6828	15284	44.67%		6362	15087	42.2%	
Aggregate HMO▶	15	108	13.89%		78	240	32.5%	
Southcare▶▶	-	*NA	-		139	128	92%	
The Wellness Plan▶▶	40	83	48.78%		-	**DNR	-	
UnitedHealthcare▶▶	-	*NA	-		252	304	82.89%	

▶ - Administrative data collected by NC DMA

*NA- Population not adequate to perform measure

▶▶ - Data (administrative and/or hybrid) reported by HMO

***DNR- Plan did not report any data

Children's Access to Primary Care Practitioners

12 TO 24 MONTHS

SYSTEM OF CARE	CY 1999			APHS Medicaid HEDIS Database Project Mean	CY 2000			NCQA Year 2000 Mean
	Num. with one or more visits	Eligible Population	Rate		Num. with one or more visits	Eligible Population	Rate	
Access 1▶	11531	12113	95.2%	82.1%	12842	13507	95.1%	85.17%
Access 2/3▶	7280	7525	96.7%		8716	8966	97.2%	
FFS▶	13278	14415	92.1%		12231	13214	92.6%	
Aggregate HMO▶	1143	1426	80.2%		1640	1830	89.6%	
Southcare▶▶	-	*NA	-		228	258	88%	
The Wellness Plan▶▶	513	632	81.17%		-	**DNR	-	
UnitedHealthcare▶▶	-	*NA	-		280	308	90.91%	

25 MONTHS TO 6 YEARS

SYSTEM OF CARE	CY 1999			APHS Medicaid HEDIS Database Project Mean	CY 2000			NCQA Year 2000 Mean
	Num. with one or more visits	Eligible Population	Rate		Num. With one or more visits	Eligible Population	Rate	
Access 1▶	32823	39994	82.1%	71.9%	37871	45646	83.0%	73.29%
Access 2/3▶	21217	24177	87.8%		24577	28058	87.6%	
FFS▶	35063	44821	78.2%		30749	38892	79.1%	
Aggregate HMO▶	2459	4261	57.7%		3923	5635	69.6%	
Southcare▶▶	-	*NA	-		323	454	71%	
The Wellness Plan▶	933	1656	56.34%		-	**DNR	-	
UnitedHealthcare▶▶	-	*NA	-		714	954	74.84%	

7-11 YEARS

SYSTEM OF CARE	CY 1999			APHS Medicaid HEDIS Database Project Mean	CY 2000			NCQA Year 2000 Mean
	Num. With one or more visits	Eligible Population	Rate		Num. With one or more visits	Eligible Population	Rate	
Access 1▶	10234	13610	75.2%	72.3%	16965	22049	76.9%	75.87%
Access 2/3▶	-	*NA	-		11829	13774	85.9%	
FFS▶	47201	59467	79.4%		29533	37992	77.7%	
Aggregate HMO▶	1261	2047	61.6%		1524	2498	61.0%	
Southcare▶▶	-	*NA	-		-	*NA	-	
The Wellness Plan▶▶	424	627	67.62%		-	**DNR		
UnitedHealthcare▶▶	-	*NA	-		-	*NA	-	

▶- Administrative data collected by NC DMA

*NA- Population not adequate to perform measure

▶▶- Data (administrative and/or hybrid) reported by HMO

***DNR- Plan did not report any data

Well Child Visits Birth Through 15 Months

COMMENTS:

Well Child Visits and Access to Care require counting visits to primary care physicians. Since not all of the Medicaid programs (or systems of care) utilize primary care physicians in a gatekeeper capacity, primary care physicians are defined for the purpose of comparison between systems of care as General/Family Practice, FQHC, Internal Medicine, Pediatrics, CRNA or Nurse Practitioner, Nurse Midwife, Multi-Specialty, Public Health Departments, and Rural Health Clinic specialties. Another difference between the HEDIS® Measures and our Medicaid data is that NC DMA has two internal codes (W8010 and W8016) for Health Check services that represent Well Child Visits. Please refer to the NC Health Check manual for more details.

Error Rate for Date of Birth

During the course of the HEDIS data retrieval validation, it was determined that there were errors in the date of birth on the eligibility file. Since this is a key field of use in HEDIS, a series of tests were run to determine the impact on HEDIS reporting. Overall, in a two year time period, the error rate in date of birth on the eligibility file was 0.5%. Testing the impact on the measures was a little more uncertain due to the frequency of claims used on different measures. Using a high frequency claim retrieval, Well Child Visits at 15 months, it was determined that the total rate was impacted based on the denominator. If the denominator was 1000 eligibles or less, an impact of 1% was found. Above a denominator of 1000, no impact was found.

CY1999

System of care	0 Visits	1 Visit	2 Visits	3 Visits	4 Visits	5 Visits	6+ Visits
Access1▶	5.0%	3.0%	5.0%	8.0%	14.0%	22.0%	42.0%
Access2/3▶	2.0%	2.0%	3.0%	6.0%	12.0%	26.0%	48.0%
FFS▶	7.0%	6.0%	8.0%	11.0%	16.0%	22.0%	30.0%
Aggregate HMO▶	16.0%	13.0%	18.0%	19.0%	15.0%	12.0%	7.0%
The Wellness Plan▶▶	5.17%	3.45%	6.32%	8.33%	10.92%	18.97%	46.84%
Southcare▶▶	*NA	*NA	*NA	*NA	*NA	*NA	*NA
UnitedHealthcare▶▶	*NA	*NA	*NA	*NA	*NA	*NA	*NA
This measure was not included in the APHSA Medicaid HEDIS Database Project.							

CY 2000

System of care	0 Visits	1 Visit	2 Visits	3 Visits	4 Visits	5 Visits	6+ Visits
Access1▶	5.0%	4.0%	5.0%	8.0%	14.0%	23.0	41.0%
Access2/3▶	2.0%	2.0%	4.0%	6.0%	12.0%	25.0%	49.0%
FFS▶	8.0%	7.0%	9.0%	12.0%	17.0%	20.0%	27.0%
Aggregate HMO▶	14.0%	20.0%	23.0%	19.0%	12.0%	8.0%	4.0%
The Wellness Plan▶▶	*DNR	*DNR	*DNR	*DNR	*DNR	*DNR	*DNR
Southcare▶▶	*NA	*NA	*NA	*NA	*NA	*NA	*NA
UnitedHealthcare▶▶	*NA	*NA	*NA	*NA	*NA	*NA	*NA
NCQA Year 2000 Mean	13.92%	7.66%	8.67%	10.73%	13.95%	16.29%	30.20%

▶ - Administrative data collected by NC DMA

*NA- Population not adequate to perform measure

▶▶ - Data (administrative and/or hybrid) reported by HMO

***DNR- Plan did not report any data

Well Child Visits in 3rd, 4th, 5th, & 6th Years of Life

COMMENTS:

See above note for Well Child Visits for First 15 Months of Life

CY1999

System of care	Screened	Eligibles	Visit Rate
Access1▶	18794	32565	57.7%
Access2/3▶	11811	19323	61.1%
FFS▶	18313	35513	51.6%
Aggregate HMO▶	735	3384	21.7%
The Wellness Plan▶▶	227	411	55.23%
Southcare▶▶	*NA	*NA	*NA
UnitedHealthcare▶▶	*NA	*NA	*NA
APHSa Medicaid HEDIS Database Project Mean	51.2%		

CY 2000

System of care	Screened	Eligibles	Visit Rate
Access1▶	21240	36510	58.2%
Access2/3▶	13807	22229	62.1%
FFS▶	16149	30447	53.0%
Aggregate HMO▶	2017	4350	46.4%
The Wellness Plan▶▶	**DNR	**DNR	**DNR
Southcare▶▶	215	373	58%
UnitedHealthcare▶▶	326	721	45.21%
NCQA Year 2000 Mean	49.04%		

▶ - Administrative data collected by NC DMA

*NA- Population not adequate to perform measure

▶▶ - Data (administrative and/or hybrid) reported by HMO

***DNR- Plan did not report any data

Ambulatory Care

CY 1999 Ambulatory Care – Outpatient Visits

Age	NCDMA			The Wellness Plan			Southcare and UnitedHealthcare had no data eligible to report for CY 1999.
	Member Months	Visits	Visits/1000 Member Months	Member Months	Visits	Visits/1000 Member Months	
<1	675,766	299,778	443.6	22455	3888	173	
1 to 9	3,547,228	677,192	190.9	104799	8531	81	
10 to 19	2,353,564	327,003	138.9	60223	3285	55	
20 to 44	2,032,810	610,348	300.2	48172	6594	137	
45 to 64	1,145,634	573,525	500.6	13873	3337	241	
65 to 74	747,546	351,382	470.0	75	4	53	
75 to 84	693,838	339,936	489.9	0	0	0	
85+	393,162	19,105	486.0	0	0	0	
Total	11,589,548	3,370,259	290.8	249597	25639	103	

This measure was not included in the APHSA Medicaid HEDIS Database Project.

CY 2000 Ambulatory Care – Outpatient Visits

Age	NCDMA			Southcare			UnitedHealthcare			The Wellness Plan did not report data for CY 2000.
	Member Months	Visits	Visits/1000 Member Months	Member Months	Visits	Visits/1000 Member Months	Member Months	Visits	Visits/1000 Member Months	
<1	712,211	317,822	446.2	1915	8	4.18	9437	2588	274.24	
1 to 9	3,357,622	690,652	205.7	25355	1682	66.34	39452	5708	144.68	
10 to 19	2,239,967	382,712	170.9	16548	822	49.95	22002	2040	92.72	
20 to 44	2,163,669	734,637	339.5	11099	934	84.15	17994	3501	194.56	
45 to 64	1,227,132	630,436	513.7	2508	321	127.99	3292	1447	439.55	
65 to 74	758,652	366,718	483.4	74	0	0	1	0	0.00	
75 to 84	704,626	354,679	503.4	0	0	0	0	0	0	
85+	397,855	197,797	497.2	0	0	0	0	0	0	
Total	11,561,734	3,675,453	317.9	57409	3767	65.62	92178	15284	165.81	
NCQA Year 2000 Mean			244.69							

CY 1999 Ambulatory Care – Emergency Room Visits

COMMENTS: Emergency Department Visits: Retrieved ER visits using UB-92 Type of Bill Codes and UB-92 Revenue Codes. In addition, included ER triage code W9922 that is a NC ER billing code for triage in the Emergency Room.

Age	NC DMA			The Wellness Plan			Southcare and UnitedHealthcare had no data eligible to report for CY 1999.
	Member Months	Visits	Visits/1000 Member Months	Member Months	Visits	Visits/1000 Member Months	
<1	675,766	22,303	33.0	22455	3655	163	
1 to 9	3,547,228	132,599	37.4	104799	8363	80	
10 to 19	2,353,564	68,991	29.3	60223	3286	55	
20 to 44	2,032,810	145,587	71.6	48172	5919	123	
45 to 64	1,145,634	60,173	52.5	13873	1634	118	
65 to 74	747,546	19,678	26.3	75	1	13	
75 to 84	693,838	16,671	24.0	0	0	0	
85+	393162	10,175	25.9	0	0	0	
Total	11589548	476,177	41.1	249597	22858	92	
This measure was not included in the APHSA Medicaid HEDIS Database Project.							

CY 2000 Ambulatory Care – Emergency Room Visits

Age	NCDMA			Southcare			UnitedHealthcare			The Wellness Plan did not report data for CY 2000.
	Member Months	Visits	Visits/1000 Member Months	Member Months	Visits	Visits/1000 Member Months	Member Months	Visits	Visits/1000 Member Months	
<1	712,211	27189	38.2	1915	5	2.61	9437	598	63.37	
1 to 9	3,357,622	144670	517.043.1	25355	759	29.93	39452	1178	29.86	
10 to 19	2,239,967	79658	426.735.6	16458	403	24.49	22002	601	27.32	
20 to 44	2,163,669	177137	982.481.9	11099	646	58.20	17994	1368	76.03	
45 to 64	1,227,132	70774	57.7	2508	131	52.23	3292	217	65.92	
65 to 74	758,652	22557	29.7	74	0	0	1	0	0.00	
75 to 84	704,626	19194	27.2	0	0	0	0	0	0	
85+	397,855	11747	29.5	0	0	0	0	0	0	
Total	11,561,734	552926	47.8	57409	1944	33.86	92178	3962	42.98	
NCQA Year 2000 Mean			43.70							

CY 1999 Ambulatory Care – Observation Room Stays Resulting in Discharge

COMMENTS: Observation Room Stays: Data was collected on observation room stays using only HEDIS® Technical Specification codes. Excluded any claims with obs visits that also had an ER visit or one of the facility codes listed in the measure.

Age	NC DMA			The Wellness Plan			Southcare and UnitedHealthcare had no data eligible to report for CY 1999.
	Member Months	Stays	Stays/1000 Member Months	Member Months	Stays	Stays/1000 Member Months	
<1	675,766	343	0.5	22455	5	0	
1 to 9	3,547,228	555	0.2	104799	17	0	
10 to 19	2,353,564	3214	1.4	60223	63	1	
20 to 44	2,032,810	6847	3.4	48172	133	3	
45 to 64	1,145,634	452	0.4	13873	13	1	
65 to 74	747,546	72	0.1	75	0	0	
75 to 84	693,838	81	0.1	0	0	0	
85+	393,162	35	0.1	0	0	0	
Total	11,589,548	11,599	1.0	249597	231	1	
This measure was not included in the APhSA Medicaid HEDIS Database Project.							

CY 2000 Ambulatory Care – Observation Room Stays Resulting in Discharge

COMMENTS: Observation Room Stays: Data was collected on observation room stays using only HEDIS® Technical Specification codes. Excluded any claims with obs visits that also had an ER visit or one of the facility codes listed in the measure.

Age	NCDMA			Southcare			UnitedHealthcare			The Wellness Plan did not report data for CY 2000.
	Member Months	Stays	Stays/1000 Member Months	Member Months	Stays	Stays/1000 Member Months	Member Months	Stays	Stays/1000 Member Months	
<1	712,211	449	0.6	1915	0	0	9437	5	0.53	
1 to 9	3,357,622	621	0.2	25355	3	89	39452	16	0.41	
10 to 19	2,239,967	4470	2.0	16458	9	24	22002	52	2.36	
20 to 44	2,163,669	10182	4.7	11099	19	126	17994	151	8.39	
45 to 64	1,227,132	439	0.4	2508	0	28	3292	16	4.86	
65 to 74	758,652	120	0.2	74	0	0	1	0	0.00	
75 to 84	704,626	99	0.1	0	0	0	0	0	NA	
85+	397,855	38	0.1	0	0	0	0	0	NA	
Total	11,561,734	16,418	1.4	57409	31	.54	92178	240	2.60	
NCQA Year 2000 Mean			1.28							

CY 1999 Ambulatory Care – Ambulatory Surgery/Procedures

COMMENTS: Excluded any ambulatory surgery that also had an ER visit on the claim- only included outpatient ambulatory surgery.

Age	NC DMA			The Wellness Plan			Southcare and UnitedHealthcare had no data eligible to report for CY 1999.
	Member Months	Visits	Visits/1000 Member Months	Member Months	Visits	Visits/1000 Member Months	
<1	675,766	3,164	4.7	22455	68	3	
1 to 9	3,547,228	11,014	3.1	104799	216	2	
10 to 19	2,353,564	4,863	2.1	60223	77	1	
20 to 44	2,032,810	19,623	9.7	48172	213	4	
45 to 64	1,145,634	23,016	20.1	13873	178	13	
65 to 74	747,546	12,530	16.8	75	1	13	
75 to 84	693,838	10,537	15.2	0	0		
85+	393,162	3,910	9.9	0	0		
Total	11,589,548	88,657	7.6	249597	753	3	
This measure was not included in the APhSA Medicaid HEDIS Database Project.							

CY 2000 Ambulatory Care – Ambulatory Surgery/Procedures

COMMENTS: Excluded any ambulatory surgery that also had an ER visit on the claim- only included outpatient ambulatory surgery.

Age	NCDMA			Southcare			UnitedHealthcare			The Wellness Plan did not report data for CY 2000.
	Member Months	Procs	Procs/1000 Member Months	Member Months	Procs	Procs/1000 Member Months	Member Months	Proc	Procs/1000 Member Months	
<1	712,211	3,255	4.6	1915	0	0	9437	56	5.93	
1 to 9	3,357,622	11,126	3.3	25355	89	3.51	39452	135	3.42	
10 to 19	2,239,967	5,106	2.3	16458	24	1.46	22002	44	2.00	
20 to 44	2,163,669	19,099	8.8	11099	126	11.35	17994	141	7.84	
45 to 64	1,227,132	23,247	18.9	2508	28	11.16	3292	55	16.71	
65 to 74	758,652	12,815	16.9	74	0	0	1	0	0.00	
75 to 84	704,626	10,697	15.2	0	0	0	0	0	NA	
85+	397,855	3,919	9.9	0	0	0	0	0	NA	
Total	11,561,734	89,264	7.7	57409	267	4.65	92178	431	4.68	
NCQA Year 2000 Mean			4.22							

Inpatient Utilization- General Hospital/Acute Care

COMMENTS: Inpatient utilization was reported using the DRG reporting methodology. The claims system determines the amount of days that were covered for the stay and this field was used for reporting days. Claim types ‘S’ (hospital inpatient) and ‘X’ (inpatient cross-over) were used in the retrieval.

Newborn care (DRG 385-392) is included and reported for the measurement year only if it is a readmission under those codes. The DRG codes were retrieved based on a discharge date in 1999. The last 6 months of 1998 were also retrieved, in order to check for any initial discharge under DRG 385-391 where a readmission in 1999 occurred. If there was more than 1 discharge for a recipient, all subsequent discharges after the initial discharge were counted in the total inpatient and medical discharges.

Total Inpatient: Includes the sum of medicine, surgery, and maternity categories.

CY 1999 NC DMA

Age	Member Months	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	675252	10413	15.4	43279	64.1	4.1
1 to 9	3256863	11197	3.4	38477	11.8	3.4
10 to 19	2098124	19508	9.3	59373	28.3	3.0
20 to 44	2032754	64197	31.6	231567	113.9	3.6
45 to 64	1145634	31244	27.3	184155	160.7	5.9
65 to 74	747540	9683	12.9	47928	64.1	4.9
75 to 84	693838	10627	15.3	55679	80.2	5.2
85+	393150	7037	17.9	38018	96.7	5.4
Unknown						
Total	11043155	163906	14.8	698476	63.2	4.3

This measure was not included in the APHSA Medicaid HEDIS Database Project.

CY 1999 The Wellness Plan

Age	Member Months	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	22455	244	11	1027	46	4.21
1 to 9	104799	303	3	1044	10	3.45
10 to 19	60323	499	8	1612	27	3.23
20 to 44	48172	1397	29	4972	103	3.56
45 to 64	13873	436	31	3198	231	7.33
65 to 74	75	1	13	49	653	49.00
75 to 84		0		0		
85+		0		0		
Unknown						
Total	249697	2880		11902		4.13

This measure was not included in the APHSA Medicaid HEDIS Database Project.

Southcare and UnitedHealthcare had no data eligible to report for CY 1999.

Total Inpatient: Includes the sum of medicine, surgery, and maternity categories.

CY 2000 NC DMA

Age	Member Months	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	712211	7507	10.5	24280	34.1	3.2
1 to 9	3357622	7910	2.4	23108	6.9	2.9
10 to 19	2239967	3638	1.6	12957	5.8	3.6
20 to 44	2163669	18012	8.3	81466	37.7	4.5
45 to 64	1227132	26358	21.5	130588	106.4	5.0
65 to 74	758652	9240	12.2	44291	58.4	4.8
75 to 84	704626	10388	14.7	53333	75.7	5.1
85+	397855	7312	18.4	39271	98.7	5.4
Unknown						
Total	11561734	90365	7.8	409294	35.4	4.5
NCQA Year 2000 Mean			8.35			

CY 2000 Southcare

Age	Member Months	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	1915	3	1.57	3	1.57	1
1 to 9	25355	441	17.39	462	18.22	1.05
10 to 19	16458	279	16.95	345	20.96	1.24
20 to 44	11099	571	51.45	1162	104.69	2.04
45 to 64	2508	133	53.03	195	77.75	1.47
65 to 74	74	0	0	0	0	0
75 to 84	0	0	0	0	0	0
85+	0	0	0	0	0	0
Unknown	0	0	0	0	0	0
Total	57409	1427	24.86	2167	37.75	1.52
NCQA Year 2000 Mean			8.35			

CY 2000 UnitedHealthcare

Age	Member Months	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	9437	58	6.15	297	31.47	5.12
1 to 9	39452	63	1.60	174	4.41	2.76
10 to 19	22002	102	4.64	364	16.54	3.57
20 to 44	17994	474	26.34	1603	89.09	3.38
45 to 64	3292	67	20.35	302	91.74	4.51
65 to 74	1	0	0.00	0	0.00	NA
75 to 84	0	0	NA	0	NA	NA
85+	0	0	NA	0	NA	NA
Unknown	0	0		0		NA
Total	92178	764	8.29	2740	29.73	3.59
NCQA Year 2000 Mean			8.35			

Inpatient Utilization- Medicine: Identify hospitalizations for medical care that are not surgical or maternity related.

CY 1999 NC DMA

Age	Member Months	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	675252	9504	14.1	31677	46.9	3.3
1 to 9	3256863	9832	3.0	28374	8.7	2.9
10 to 19	2098124	3916	1.9	14494	6.9	3.7
20 to 44	2032754	17436	8.6	83403	41.0	4.8
45 to 64	1145634	23962	20.9	122682	107.1	5.1
65 to 74	747540	8356	11.2	40283	53.9	4.8
75 to 84	693838	9422	13.6	48422	69.8	5.1
85+	393150	6323	16.1	33720	85.8	5.3
Unknown		88751	8.0	403055	36.5	4.5
Total	11043155					
This measure was not included in the APHSA Medicaid HEDIS Database Project.						

CY 1999 The Wellness Plan

Age	Member Months	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	22455	244	11	1027	46	4.21
1 to 9	104799	303	3	1044	10	3.45
10 to 19	60323	499	8	1612	27	3.23
20 to 44	48172	1397	29	4972	103	3.56
45 to 64	13873	436	31	3198	231	7.33
65 to 74	75	1	13	49	653	49.00
75 to 84		0		0		
85+		0		0		
Unknown		0		0		
Total	249697	2880		11902		4.13
This measure was not included in the APHSA Medicaid HEDIS Database Project.						

Southcare and UnitedHealthcare had no data eligible to report for CY 1999.

Inpatient Utilization- Medicine: Identify hospitalizations for medical care that are not surgical or maternity related.

CY 2000 NC DMA

Age	Member Months	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	712211	7507	10.5	24280	34.1	3.2
1 to 9	3357622	7910	2.4	23108	6.9	2.9
10 to 19	2239967	3638	1.6	12957	5.8	3.6
20 to 44	2163669	18012	8.3	81466	37.7	4.5
45 to 64	1227132	26358	21.5	130588	106.4	5.0
65 to 74	758652	9240	12.2	44291	58.4	4.8
75 to 84	704626	10388	14.7	53333	75.7	5.1
85+	397855	7312	18.4	39271	98.7	5.4
Unknown						
Total	11561734	90365	7.8	409294	35.4	4.5
NCQA Year 2000 Mean			4.21			

CY 2000 Southcare

Age	Member Months	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	1915	3	1.57	3	1.57	1
1 to 9	25355	441	17.39	459	18.10	1.04
10 to 19	16458	274	16/65	335	20.35	1.22
20 to 44	11099	529	47.66	1101	99.20	2.08
45 to 64	2508	133	53.03	195	77.75	1.47
65 to 74	74	0	0	0	0	0
75 to 84	0	0	0	0	0	0
85+	0	0	0	0	0	0
Unknown	0	0	0	0	0	0
Total	57409	1380	24.04	2093	36.46	1.52
NCQA Year 2000 Mean			4.21			

CY 2000 UnitedHealthcare

Age	Member Months	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	9437	52	5.51	182	19.29	3.50
1 to 9	39452	52	1.32	131	3.32	2.52
10 to 19	22002	20	0.91	88	4.00	4.40
20 to 44	17994	126	7.00	667	37.07	5.29
45 to 64	3292	55	16.71	264	80.19	4.80
65 to 74	1	0	0.00	0	0.00	NA
75 to 84	0	0	NA	0	NA	NA
85+	0	0	NA	0	NA	NA
Unknown	0	0		0		NA
Total	92178	305	3.31	1332	14.45	4.37
NCQA Year 2000 Mean			4.21			

Inpatient Utilization- Surgery: Hospitalizations for patients receiving surgical services.

CY 1999 NC DMA

Age	Member Months	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	675252	909	1.3	11602	17.2	12.8
1 to 9	3256863	1365	0.4	10103	3.1	7.4
10 to 19	2098124	1585	0.7	9879	4.7	6.2
20 to 44	2032754	7171	3.5	48962	24.1	6.8
45 to 64	1145634	7267	6.3	61407	53.6	8.4
65 to 74	747540	1327	1.8	7645	10.2	5.8
75 to 84	693838	1205	1.7	7257	10.4	6.0
85+	393150	714	1.8	4298	10.9	6.0
Unknown						
Total	11043155	21543	1.9	161153	14.6	7.5

This measure was not included in the APHSA Medicaid HEDIS Database Project.

CY 1999 The Wellness Plan

Age	Member Months	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	22455	244	11	1027	46	4.21
1 to 9	104799	303	3	1044	10	3.45
10 to 19	60323	499	8	1612	27	3.23
20 to 44	48172	1397	29	4972	103	3.56
45 to 64	13873	436	31	3198	231	7.33
65 to 74	75	1	13	49	653	49.00
75 to 84		0		0		
85+		0		0		
Unknown		0		0		
Total	249697	2880		11902		4.13

This measure was not included in the APHSA Medicaid HEDIS Database Project.

Southcare and UnitedHealthcare had no data eligible to report for CY 1999.

Inpatient Utilization- Surgery: Hospitalizations for patients receiving surgical services.

CY 2000 NC DMA

Age	Member Months	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	712211	1006	1.4	13262	18.6	13.2
1 to 9	3357622	1460	0.4	8452	2.5	5.8
10 to 19	2239967	1700	0.8	9999	4.5	5.9
20 to 44	2163669	8052	3.7	52985	24.5	6.6
45 to 64	1227132	8057	6.6	67925	55.4	8.4
65 to 74	758652	1821	2.4	10142	13.4	5.6
75 to 84	704626	1598	2.3	10007	14.2	6.3
85+	397855	861	2.2	5275	13.3	6.1
Unknown		24555	2.1	178047	15.4	7.3
Total	11561734					
NCQA Year 2000 Mean			4.22			

CY 2000 Southcare

Age	Member Months	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	1915	0	0	0	0	0
1 to 9	25355	0	0	0	0	0
10 to 19	16458	0	0	0	0	0
20 to 44	11099	3	.27	3	.27	1
45 to 64	2508	0	0	0	0	0
65 to 74	74	0	0	0	0	0
75 to 84	0	0	0	0	0	0
85+	0	0	0	0	0	0
Unknown	0	0	0	0	0	0
Total	57409	3	.05	3	.05	1
NCQA Year 2000 Mean			4.22			

CY 2000 UnitedHealthcare

Age	Member Months	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	9437	4	0.42	61	6.46	15.25
1 to 9	39452	11	0.28	43	1.09	3.91
10 to 19	22002	6	0.27	21	0.95	3.50
20 to 44	17994	31	1.72	137	7.61	4.42
45 to 64	3292	10	3.04	35	10.63	3.50
65 to 74	1	0	0.00	0	0.00	NA
75 to 84	0	0	NA	0	NA	NA
85+	0	0	NA	0	NA	NA
Unknown	0	0		0		NA
Total	92178	62	0.67	297	3.22	4.79
NCQA Year 2000 Mean			4.22			

Inpatient Utilization- Maternal: Include all inpatient hospitalizations for maternity related reasons, including abortions and antepartum stays.

CY 1999 NC DMA

Age	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	-	-	-	-	-
1 to 9	-	-	-	-	-
10 to 19	14007	6.7	35000	16.7	2.5
20 to 44	39590	19.5	99202	48.9	2.5
45 to 64	15	0.01	66	0.06	4.4
65 +	-			-	-
Unknown	-			-	-
Total	53612	4.8	134268	12.1	2.5
This measure was not included in the APhSA Medicaid HEDIS Database Project.					

CY 1999 The Wellness Plan

Age	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	1	0	2	0	2.00
1 to 9	1	0	2	0	2.00
10 to 19	383	6	1078	18	2.81
20 to 44	1008	21	3028	63	3.00
45 to 64	0	0	0	0	
65 +	0	0	0	0	
Unknown	0		0		
Total	1393		4110		2.95

This measure was not included in the APHSA Medicaid HEDIS Database Project.

Southcare and UnitedHealthcare had no data eligible to report for CY 1999.

Inpatient Utilization- Maternal: Include all inpatient hospitalizations for maternity related reasons, including abortions and antepartum stays.

CY 2000 NC DMA

Age	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1					
1 to 9					
10 to 19	14472	6.5	35989	16.1	2.5
20 to 44	43293	20.0	106749	49.3	2.5
45 to 64	16	0.01	46	0.04	2.9
65 +					
Unknown					
Total	57781	10.3	142784	25.4	

NCQA Year 2000 3.55

CY 2000 Southcare

Age	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	0	0	0	0	
1 to 9	0	0	3	.12	
10 to 19	5	.30	10	.61	2
20 to 44	39	3.51	58	5.23	1.49
45 to 64	0	0	0	0	
65 +					
Unknown					
Total	44	.77	71	1.24	1.61
NCQA Year 2000		3.55			

CY 2000 UnitedHealthcare

Age	Discharges	Discharge/1,000 Member Months	Days	Days/1,000 Member Months	Average Length of Stay
<1	0	0.00	0	0.00	NA
1 to 9	0	0.00	0	0.00	NA
10 to 19	76	3.45	255	11.59	3.36
20 to 44	311	17.28	779	43.29	2.50
45 to 64	0	0.00	0	0.00	NA
65 +	0	0.00	0	0.00	NA
Unknown	0		0		NA
Total	387	4.20	1034	11.22	2.67