

Agency for Healthcare Research and Quality (AHRQ)
 Healthcare Cost and Utilization Project (HCUP)
 AHRQ Prevention Quality Indicators
 North Carolina

AHRQ Prevention Quality Indicators (PQIs)		2007								
		North Carolina		Total U.S.		P-value: State relative to Nation	Lowest State		Highest State	
		Adjusted rate ^a	Standard error	Adjusted rate ^a	Standard error		Adjusted rate ^a	Standard error	Adjusted rate ^a	Standard error
PQI 1	Admissions for diabetes with short-term complications (excluding obstetric admissions and transfers from other institutions) per 100,000 population, age 18 and over	71.575	1.046	59.881	1.522	0.000	36.839	2.836	92.016	2.676
PQI 2	Admissions with perforated appendix per 1,000 admissions with appendicitis (excluding obstetric admissions and transfers from other institutions), age 18 and over	306.752	6.207	280.212	2.159	0.000	232.252	7.211	369.111	8.234
PQI 3	Admissions for diabetes with long-term complications (excluding obstetric admissions and transfers from other institutions) per 100,000 population, age 18 and over	132.651	1.399	123.780	3.113	0.009	58.791	3.412	150.761	2.115
PQI 5	Admissions for chronic obstructive pulmonary disease (excluding obstetric admissions and transfers from other institutions) per 100,000 population, age 18 and over	214.861	1.777	193.036	4.392	0.000	56.243	1.971	424.043	4.994
PQI 7	Admissions for hypertension (excluding patients with cardiac procedures, obstetric conditions, and transfers from other institutions) per 100,000 population, age 18 and over	63.734	0.977	61.626	2.173	0.377	14.912	1.719	84.988	1.966
PQI 8	Admissions for congestive heart failure (excluding patients with cardiac procedures, obstetric conditions, and transfers from other institutions) per 100,000 population, age 18 and over	440.796	2.544	415.519	9.598	0.011	188.108	3.641	557.058	4.179
PQI 9	Low birth weight infants per 1,000 births (excluding transfers from other institutions)	66.523	0.705	62.836	1.184	0.007	38.545	2.359	73.953	0.917
PQI 10	Admissions for dehydration (excluding obstetric admissions and transfers from other institutions) per 100,000 population, age 18 and over	114.072	1.311	105.680	2.396	0.002	50.906	1.031	173.754	2.386
PQI 11	Bacterial pneumonia admissions (excluding sickle cell or hemoglobin-S conditions, transfers from other institutions, and obstetric admissions) per 100,000 population, age 18 and over	358.900	2.311	374.788	7.256	0.037	243.434	4.707	598.935	11.894
PQI 12	Admissions for urinary tract infections (excluding kidney or urinary tract disorders, patients in an immunocompromised state, transfers from other institutions, and obstetric admissions) per 100,000 population, age 18 and over	191.624	1.707	185.391	4.153	0.165	96.371	2.998	267.090	2.965
PQI 13	Admissions for angina without procedure (excluding patients with cardiac procedures, transfers from other institutions, and obstetric admissions) per 100,000 population, age 18 and over	26.165	0.627	29.218	1.176	0.022	11.378	0.876	50.864	1.075

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PQI 14	Admissions for uncontrolled diabetes without complications (excluding obstetric admissions and transfers from other institutions) per 100,000 population, age 18 and over	23.657	0.597	21.125	0.837	0.014	3.400	0.467	38.946	0.512
PQI 15	Asthma admissions (excluding patients with cystic fibrosis or anomalies of the respiratory system, obstetric admissions, and transfers from other institutions) per 100,000 population, age 18 and over	108.870	1.276	117.872	3.599	0.018	40.806	1.619	168.177	1.057
PQI 15B (added)	Asthma admissions (excluding patients with cystic fibrosis or anomalies of the respiratory system, obstetric admissions and transfers from other institutions) per 100,000 population, age 65 and over	206.703	4.386	216.306	6.786	0.235	84.266	6.173	312.979	6.870
PQI 16	Lower extremity amputations among patients with diabetes (excluding trauma, obstetric admissions, and transfers from other institutions) per 100,000 population, age 18 and over	37.313	0.738	33.606	0.945	0.002	15.743	1.903	47.581	1.176
PQI 17 (added)	Immunization-preventable pneumococcal pneumonia admissions (excluding transfers from other institutions) per 100,000 population, age 65 and over	65.209	2.471	60.526	1.934	0.136	26.368	0.910	180.972	14.160
PQI 18 (added)	Immunization-preventable influenza admissions (excluding transfers from other institutions) per 100,000 population, age 65 and over	25.005	1.526	21.892	1.389	0.132	8.452	0.856	80.453	11.492
PQI 90	Overall Prevention Quality Indicator composite per 100,000 population, age 18 and over	1760.504	4.879	1702.530	33.428	0.086	890.556	7.635	2503.365	8.446
PQI 90x	Overall Prevention Quality Indicator composite (modified to exclude COPD) per 100,000 population, age 18 and over	1545.643	4.609	1509.507	30.021	0.234	834.313	7.400	2092.198	7.827
PQI 91	Acute Prevention Quality Indicator composite per 100,000 population, age 18 and over	664.596	3.120	665.859	12.525	0.922	402.308	6.047	1035.194	5.683
PQI 92	Chronic Prevention Quality Indicator composite per 100,000 population, age 18 and over	1096.001	3.923	1036.780	22.592	0.010	427.918	5.325	1474.272	9.189
PQI 92x	Chronic Prevention Quality Indicator composite (modified to exclude COPD) per 100,000 population, age 18 and over	881.139	3.545	843.757	19.410	0.058	371.675	4.962	1057.244	5.700

Source: Agency for Healthcare Research and Quality (AHRQ), Center for Delivery, Organization, and Markets, Healthcare Cost and Utilization Project (HCUP) databases and AHRQ Quality Indicators, version 3.1. State estimates are from the State Inpatient Databases (SID), and not all States participate in HCUP. Estimates for the total U.S. are from the Nationwide Inpatient Sample, which is drawn from the SID and weighted to give national estimates.

^a Adjustment varies across the different PQIs. For all but PQI 2 and PQI 9, rates are adjusted by age and gender using the total U.S. population for 2000 as the standard population. For PQI 2 and PQI 9, rates are adjusted by age and gender using total U.S. inpatient discharges for 2000 as the standard population.

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		Adjusted rate ^a	Standard error	Adjusted rate ^a	Standard error		Adjusted rate ^a	Standard error	Adjusted rate ^a	Standard error
PSI 1	Complications of anesthesia in any secondary diagnosis per 1,000 surgical discharges (excluding patients with anesthesia complications as a principal diagnosis and patients with self-inflicted injury, poisoning due to anesthetics, and active drug dependence or abuse), age 18 and over or obstetric admissions	0.790	0.055	1.004	0.009	0.000	0.391	0.063	2.457	0.153
PSI 2	Deaths per 1,000 admissions in low-mortality Diagnosis Related Groups (DRGs), age 18 and over or obstetric admissions	0.663	0.049	0.417	0.014	0.000	0.219	0.036	0.663	0.049
PSI 3	Decubitus ulcers per 1,000 discharges of length 5 or more days (excluding transfers; patients admitted from long-term care facilities; patients with diseases of the skin, subcutaneous tissue, and breast; and obstetric admissions), age 18 and over	22.160	0.266	25.084	0.046	0.000	11.780	0.465	36.959	0.173
PSI 4	Failure to rescue, or deaths per 1,000 discharges having developed specified complications of care during hospitalization (excluding patients transferred in or out and patients admitted from long-term care facilities), ages 18-74	101.126	1.371	105.665	0.257	0.001	73.836	1.693	156.828	4.766
PSI 5	Foreign body accidentally left in during procedure per 1,000 medical and surgical discharges, age 18 and over or obstetric admissions	0.080	0.009	0.086	0.004	0.557	0.048	0.009	0.161	0.023
PSI 6	Iatrogenic pneumothorax per 1,000 discharges (excluding obstetric admissions and patients with chest trauma, thoracic surgery, lung or pleural biopsy, or cardiac surgery), age 18 and over	0.628	0.029	0.647	0.005	0.513	0.453	0.098	1.077	0.047
PSI 7	Selected infections due to medical care per 1,000 medical and surgical discharges (excluding immunocompromised and cancer patients, stays under 2 days, and admissions specifically for such infections), age 18 and over or obstetric admissions	1.590	0.057	2.031	0.010	0.000	0.902	0.206	2.810	0.093

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PSI 8	Postoperative hip fracture per 1,000 surgical patients who were not susceptible to falling (excluding obstetric admissions), age 18 and over	0.358	0.048	0.258	0.008	0.042	0.218	0.049	0.615	0.146
PSI 9	Postoperative hemorrhage or hematoma with surgical drainage or evacuation, not verifiable as following surgery, per 1,000 surgical discharges (excluding obstetric admissions), age 18 and over	2.503	0.107	2.539	0.018	0.743	2.031	0.490	3.756	0.483
PSI 10	Postoperative physiologic and metabolic derangements per 1,000 elective-surgery discharges (excluding some serious disease and obstetric admissions), age 18 and over	0.252	0.056	0.455	0.008	0.000	0.208	0.059	0.654	0.030
PSI 11	Postoperative respiratory failure per 1,000 elective-surgery discharges with an operating room procedure (excluding patients with respiratory disease, circulatory disease, or neuromuscular disorders, obstetric conditions, and admissions specifically for acute respiratory failure), age 18 and over	10.194	0.301	10.708	0.044	0.092	5.623	1.297	13.811	0.326
PSI 12	Postoperative pulmonary embolism or deep vein thrombosis (DVT) per 1,000 surgical discharges (excluding patients admitted for DVT, obstetrics, and plication of vena cava before or after surgery), age 18 and over	10.562	0.194	11.469	0.032	0.000	6.566	0.326	14.155	0.149
PSI 13	Postoperative sepsis per 1,000 elective-surgery discharges with an operating room procedure (excluding patients admitted for infection; patients with cancer or immunocompromised states; obstetric conditions; stays under 4 days; and admissions specifically for sepsis), age 18 and over	11.322	0.624	15.372	0.104	0.000	8.560	1.088	25.023	0.840
PSI 14	Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery discharges (excluding immunocompromised patients, stays under 2 days, and obstetric conditions), age 18 and over	2.380	0.224	2.489	0.037	0.634	1.758	0.324	5.429	0.999

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PSI 15	Accidental puncture or laceration during procedure per 1,000 discharges (excluding obstetric admissions), age 18 and over	5.336	0.077	4.794	0.013	0.000	3.362	0.078	6.838	0.349
PSI 16	Transfusion reactions per 1,000 discharges, age 18 and over or obstetric admissions	*	*	0.004	0.001	*	0.005	0.001	0.011	0.003
PSI 17	Birth trauma - injury to neonate per 1,000 live births (excluding preterm and osteogenesis imperfecta births)	1.647	0.169	1.633	0.028	0.932	0.955	0.191	5.196	0.265
PSI 18	Obstetric trauma with 3rd or 4th degree lacerations per 1,000 instrument-assisted vaginal deliveries	149.817	4.509	147.643	0.764	0.634	115.865	4.113	247.335	9.007
PSI 19	Obstetric trauma with 3rd or 4th degree lacerations per 1,000 vaginal deliveries without instrument assistance	33.789	0.719	32.332	0.121	0.046	24.527	1.051	65.148	1.905
PSI 20	Obstetric trauma with 3rd or 4th degree lacerations per 1,000 cesarean deliveries	3.687	0.310	3.616	0.169	0.840	1.765	0.489	7.376	1.342
PSI 21	Foreign body accidentally left in during procedure per 100,000 population, age 18 and over or obstetric admissions	1.394	0.144	1.476	0.074	0.610	0.775	0.180	1.959	0.273
PSI 22	Iatrogenic pneumothorax cases per 100,000 population (excluding obstetric admissions and patients with trauma, thoracic surgery, lung or pleural biopsy, or cardiac surgery), age 18 and over	7.801	0.340	8.216	0.305	0.364	4.761	1.109	10.833	0.686
PSI 23	Selected infections due to medical care per 100,000 population (excluding immunocompromised and cancer patients), age 18 and over or obstetric admissions	25.564	0.617	28.298	0.915	0.013	12.503	1.824	39.445	0.688
PSI 24	Reclosure of postoperative abdominal wound dehiscence (excluding immunocompromised and obstetric patients) per 100,000 population, age 18 and over	2.257	0.182	2.494	0.110	0.265	1.663	0.080	3.621	0.442
PSI 25	Accidental puncture or laceration during procedure (excluding obstetric admissions) per 100,000 population, age 18 and over	51.217	0.873	48.416	1.801	0.162	30.345	1.718	73.126	1.496
PSI 26	Transfusion reactions per 100,000 population, age 18 and over or obstetric admissions	*	*	0.060	0.012	*	0.064	0.015	0.161	0.040

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PSI 27	Postoperative hemorrhage or hematoma with surgical drainage or evacuation, not verifiable as following surgery (excluding obstetric admissions), per 100,000 population, age 18 and over	13.971	0.458	15.532	0.530	0.026	10.375	1.689	21.181	0.707

Source: Agency for Healthcare Research and Quality (AHRQ), Center for Delivery, Organization, and Markets, Healthcare Cost and Utilization Project (HCUP) databases and AHRQ Quality Indicators, version 3.1. State estimates are from the State Inpatient Databases (SID), and not all States participate in HCUP. Estimates for the total U.S. are from the Nationwide Inpatient Sample, which is drawn from the SID and weighted to give national estimates.

^a Adjustment varies across the different PSIs. For PSI 1, PSI 3 - PSI 4, PSI 6 - PSI 15, rates are adjusted by age, gender, age-gender interactions, comorbidities, and DRG clusters. For PSI 5, PSI 16, and PSI 20, no risk-adjustment is performed. For PSI 17, rates are adjusted by gender. For PSI 18 - PSI 19, rates are adjusted by age. For PSI 2 and PSI 21 - PSI 27, rates are adjusted by age and gender using the total U.S. population for 2000 as the standard population.

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AHRQ Inpatient Quality Indicators (IQIs)										
IQI 8	Deaths per 1,000 admissions with esophageal resection for cancer (excluding obstetric admissions and transfers to another hospital), age 18 and over	*	*	52.749	5.579	*	57.426	17.075	86.855	21.442
IQI 9	Deaths per 1,000 admissions with pancreatic resection for cancer (excluding obstetric admissions and transfers to another hospital), age 18 and over	*	*	33.898	2.487	*	29.193	8.410	295.142	69.605
IQI 11	Deaths per 1,000 admissions with abdominal aortic aneurysm (AAA) repair (excluding obstetric admissions and transfers to another hospital), age 18 and over	60.842	7.030	56.756	1.215	0.567	32.867	8.286	89.957	16.689
IQI 12	Deaths per 1,000 admissions with coronary artery bypass graft (excluding obstetric admissions and transfers to another hospital), age 40 and over	25.001	2.015	22.335	0.300	0.191	14.737	2.670	47.230	11.307
IQI 13	Deaths per 1,000 admissions with craniotomy (excluding patients with a principal diagnosis of head trauma, obstetric admissions, and transfers to another hospital), age 18 and over	68.568	3.619	54.847	0.600	0.000	32.548	3.460	87.576	9.550
IQI 14	Deaths per 1,000 admissions with hip replacement procedures (excluding complicated cases, obstetric admissions, and transfers to another hospital), age 18 and over	12.182	0.624	1.924	0.085	0.000	1.438	0.270	12.182	0.624
IQI 15	Deaths per 1,000 admissions with acute myocardial infarction (AMI) as principal diagnosis (excluding transfers to another hospital), age 18 and over	71.176	1.933	67.348	0.335	0.051	50.635	2.506	97.094	12.062
IQI 16	Deaths per 1,000 admissions with congestive heart failure as principal diagnosis (excluding obstetric admissions and transfers to another hospital), age 18 and over	31.248	1.045	28.248	0.170	0.005	16.822	1.424	57.099	5.334
IQI 17	Deaths per 1,000 admissions with acute stroke as principal diagnosis (excluding obstetric admissions and transfers to another hospital), age 18 and over	108.208	2.017	92.143	0.360	0.000	65.784	2.674	128.263	5.975
IQI 18	Deaths per 1,000 admissions with gastrointestinal hemorrhage as principal diagnosis (excluding obstetric admissions and transfers to another hospital), age 18 and over	18.846	1.153	18.886	0.196	0.973	12.461	1.539	32.065	2.990
IQI 19	Deaths per 1,000 admissions with hip fracture as principal diagnosis (excluding obstetric admissions and transfers to another hospital), age 18 and over	25.397	1.576	21.682	0.260	0.020	11.854	1.769	34.328	5.109
IQI 20	Deaths per 1,000 admissions with pneumonia as principal diagnosis (excluding obstetric admissions and transfers to another hospital), age 18 and over	47.005	1.325	40.761	0.219	0.000	23.304	1.802	56.852	2.840

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IQI 21	Cesarean deliveries per 1,000 deliveries (excluding patients with abnormal presentation, preterm delivery, fetal death, multiple gestation diagnosis codes, or breech procedure codes)	282.660	1.309	294.721	0.215	0.000	202.196	1.988	350.722	0.959
IQI 22	Vaginal birth after cesarean per 1,000 women with previous cesarean deliveries (excluding patients with abnormal presentation, preterm delivery, fetal death, multiple gestation diagnosis codes or breech procedure codes)	104.439	2.820	86.505	0.457	0.000	36.908	4.140	171.076	4.523
IQI 23	Laparoscopic cholecystectomies per 1,000 cholecystectomy procedures (excluding complicated cases and obstetric admissions), age 18 and over	831.870	4.327	816.072	0.725	0.000	665.219	22.495	885.024	4.139
IQI 24	Incidental appendectomies per 1,000 patients with other intra-abdominal procedures (excluding obstetric admissions), age 65 and over	19.368	1.405	19.596	0.234	0.873	12.045	3.068	34.597	1.854
IQI 25	Bilateral cardiac catheterizations per 1,000 heart catheterizations for coronary artery disease (excluding valid indications for right-side catheterization and excluding obstetric admissions), age 18 and over	54.360	1.305	45.495	0.217	0.000	19.537	1.798	138.153	1.741
IQI 26	Coronary artery bypass grafts (excluding obstetric admissions) per 100,000 population, age 40 and over	185.628	2.158	181.422	10.906	0.705	101.579	5.196	319.009	3.355
IQI 27	Percutaneous transluminal coronary angioplasties (excluding obstetric admissions) per 100,000 population, age 40 and over	456.170	3.373	514.121	28.116	0.041	261.767	6.459	766.604	7.418
IQI 28	Hysterectomies (excluding obstetric conditions, genital cancer, and pelvic trauma) per 100,000 female population, age 18 and over	330.213	3.145	408.056	13.781	0.000	237.732	9.835	912.102	26.337
IQI 29	Laminectomies or spinal fusions (excluding obstetric conditions) per 100,000 population, age 18 and over	248.823	1.900	252.405	11.840	0.765	118.647	3.429	462.098	4.218
IQI 30	Deaths per 1,000 admissions with percutaneous transluminal coronary angioplasties (excluding obstetric admissions and transfers to another hospital), age 40 and over	12.952	0.661	11.033	0.111	0.004	7.776	0.536	17.746	2.009
IQI 31	Deaths per 1,000 admissions with carotid endarterectomies (excluding obstetric admissions and transfers to another hospital), age 18 and over	6.084	1.423	4.728	0.212	0.346	3.375	0.941	12.967	2.772
IQI 32	Deaths per 1,000 admissions with acute myocardial infarction (AMI) as principal diagnosis (excluding transfers from another hospital or to another hospital), age 18 and over	79.467	2.651	73.449	0.414	0.025	56.913	3.572	104.636	7.170

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IQI 33	First-time cesarean deliveries per 1,000 deliveries (excluding patients with abnormal presentation, preterm delivery, fetal death, multiple gestation diagnosis codes, breech procedure codes, or a previous cesarean delivery diagnosis in any diagnosis field)	173.474	1.186	182.119	0.196	0.000	106.086	1.781	229.046	0.880
IQI 34	Vaginal birth after cesarean per 1,000 women with previous cesarean deliveries with no exclusions	104.081	2.617	85.793	0.423	0.000	37.537	3.840	166.508	4.186

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^a Adjustment varies across the different IQIs. For IQI 8 - IQI 20 and IQI 30 - IQI 32, rates are adjusted by age, gender, age-gender interactions, and APR-DRG risk of mortality score. For IQI 21 - IQI 22 and IQI 33 - IQI 34, rates are adjusted by age and APR-DRG severity score. For IQI 23-25, rates are adjusted by age, gender, age-gender interactions, and APR-DRG severity score. For IQI 26 - IQI 29, rates are adjusted by age and gender using the total U.S. population for 2000 as the standard population.

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AHRQ Pediatric Quality Indicators (PDIs)										
PDI 01	Accidental puncture or laceration during procedure per 1,000 discharges (excluding obstetric admissions, normal newborns, and neonates with a birth weight less than 500 grams), age less than 18 years	0.997	0.094	0.848	0.016	0.117	0.574	0.116	1.860	0.291
PDI 02	Decubitus ulcers per 1,000 discharges of length 5 or more days (excluding neonates; transfers; patients admitted from long-term care facilities; patients with diseases of the skin, subcutaneous tissue, and breast; and obstetric admissions), age less than 18 years	4.980	0.493	3.837	0.082	0.022	2.528	0.728	5.076	0.767
PDI 03	Foreign body accidentally left in during procedure per 1,000 medical and surgical discharges (excluding normal newborns and neonates with a birth weight less than 500 grams), age less than 18 years	*	*	0.036	0.008	*	0.051	0.012	0.051	0.012
PDI 04	Iatrogenic pneumothorax per 1,000 discharges (excluding normal newborns and patients with chest trauma, thoracic surgery, lung or pleural biopsy, or cardiac surgery), neonates with a birth weight of 500 to 2500 grams	*	*	0.519	0.034	*	0.374	0.096	1.359	0.356
PDI 05	Iatrogenic pneumothorax per 1,000 discharges (excluding normal newborns, neonates with a birth weight less than 2500 grams, and patients with chest trauma, thoracic surgery, lung or pleural biopsy, or cardiac surgery), age less than 18 years and not a neonate	0.173	0.051	0.157	0.008	0.760	0.131	0.026	0.535	0.131
PDI 06	Deaths per 1,000 pediatric heart surgery admissions (excluding obstetric admission; patients with transcatheter interventions as single cardiac procedures, performed without bypass but with catheterization; patients with septal defects as single cardiac procedures without bypass; heart transplant; premature infants with patent ductus arteriosus (PDA) closure as only cardiac procedure; and age less than 30 days with PDA closure as only cardiac procedure; transfers to another hospital; patients with unknown disposition; and neonates with a birth weight less than 500 grams), age less than 18 years	36.808	8.462	39.853	1.321	0.722	25.561	7.595	91.630	25.063
PDI 08	Postoperative hemorrhage or hematoma with surgical drainage or evacuation, not verifiable as following surgery, per 1,000 surgical discharges (excluding neonates with a birth weight less than 500 grams), age less than 18 years	*	*	1.653	0.121	*	1.408	0.365	4.148	0.886

Agency for Healthcare Research and Quality (AHRQ)
 Healthcare Cost and Utilization Project (HCUP)
 AHRQ Pediatric Quality Indicators
 North Carolina

		2007								
		North Carolina		Total U.S.		P-value: State relative to Nation	Lowest State		Highest State	
		Adjusted rate ^a	Standard error	Adjusted rate ^a	Standard error		Adjusted rate ^a	Standard error	Adjusted rate ^a	Standard error
AHRQ Pediatric Quality Indicators (PDIs)										
PDI 09	Postoperative respiratory failure per 1,000 elective-surgery discharges with an operating room procedure (excluding patients with respiratory disease, circulatory disease, or neuromuscular disorders, neonates with a birth weight less than 500 grams, and admissions specifically for acute respiratory failure), age less than 18 years	15.153	2.281	18.926	0.275	0.101	8.450	1.553	31.302	7.207
PDI 10	Postoperative sepsis per 1,000 surgery discharges with an operating room procedure (excluding patients admitted for infection; neonates; stays under 4 days; and admissions specifically for sepsis), age less than 18 years	19.612	2.574	21.788	0.447	0.405	11.823	3.301	42.689	3.477
PDI 11	Reclosure of postoperative abdominal wound dehiscence per 1,000 abdominopelvic-surgery discharges (excluding immunocompromised patients, stays under 2 days, and neonates with a birth weight less than 500 grams), age less than 18 years	*	*	1.076	0.092	*	1.353	0.292	6.770	1.682
PDI 12	Selected infections due to medical care per 1,000 medical and surgical discharges (excluding normal newborns, neonates with a birth weight less than 500 grams, stays under 2 days, and admissions specifically for such infections), age less than 18 years	1.840	0.175	1.772	0.028	0.700	0.989	0.252	3.324	0.787
PDI 13	Transfusion reactions per 1,000 discharges (excluding neonates), age less than 18 years	*	*	*	*	*	*	*	*	*
PDI 14	Pediatric asthma admissions (excluding patients with cystic fibrosis or anomalies of the respiratory system and transfers from other institutions) per 100,000 population, ages 2-17	123.173	2.542	134.834	10.379	0.275	45.535	6.450	228.395	2.388
PDI 15	Admissions for diabetes with short-term complications (excluding transfers from other institutions) per 100,000 population, ages 6-17	36.101	1.590	29.664	2.973	0.056	15.666	1.268	61.861	4.881
PDI 16	Admissions for pediatric gastroenteritis (excluding patients with gastrointestinal abnormalities or bacterial gastroenteritis, and transfers from other institutions) per 100,000 population, ages 3 months to 17 years	127.641	2.417	139.317	7.578	0.142	60.460	4.315	317.966	9.244
PDI 17	Admissions with perforated appendix per 1,000 admissions with appendicitis (excluding transfers from other institutions, obstetric admissions, normal newborns, and neonates), ages 1-17	313.235	11.202	302.001	4.872	0.358	237.509	9.405	428.655	18.479

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		Adjusted rate ^a	Standard error	Adjusted rate ^a	Standard error		Adjusted rate ^a	Standard error	Adjusted rate ^a	Standard error
AHRQ Pediatric Quality Indicators (PDIs)										
PDI 18	Admissions for urinary tract infections (excluding kidney or urinary tract disorders, patients in an immunocompromised state, and transfers from other institutions) per 100,000 population, ages 3 months to 17 years	32.998	1.238	41.651	2.384	0.001	21.582	4.130	91.988	4.947
PDI 90	Overall Pediatric Quality Indicator composite per 100,000 population, ages 6-17	186.668	3.635	191.364	12.914	0.726	99.204	8.344	320.998	20.665
PDI 91	Chronic Pediatric Quality Indicator composite (asthma, diabetes) per 100,000 population, ages 6-17	128.367	3.016	124.186	9.845	0.685	57.570	7.973	224.908	17.363
PDI 92	Acute Pediatric Quality Indicator composite (gastroenteritis, urinary tract infections) per 100,000 population, ages 6-17	58.301	2.032	67.178	3.551	0.030	30.188	1.955	156.245	5.080

Source: Agency for Healthcare Research and Quality (AHRQ), Center for Delivery, Organization, and Markets, Healthcare Cost and Utilization Project (HCUP) databases and AHRQ Quality Indicators, version 3.1. State estimates are from the State Inpatient Databases (SID), and not all States participate in HCUP. Estimates for the total U.S. are from the Nationwide Inpatient Sample, which is drawn from the SID and weighted to give national estimates.

^a Adjustment varies across the different PDIs. For PDI 1, PDI 2, and PDI 4 - PDI 12, rates are adjusted by age, gender, DRG and MDC groups, and comorbidities. For PDI 3 and PDI 13, no risk-adjustment is performed. For PDI 14 - PDI 18, rates are adjusted by age and gender using the total U.S. population for 2000 as the standard population.

* Data do not meet the criteria for statistical reliability, data quality, or confidentiality.