



**VIRGINIA BUSINESS COALITION ON HEALTH**  
**HOSPITAL REPORT CARD (YR 2004 Data)**  
**Gastrointestinal - COLON SURGERY**

**DO YOU KNOW?**

30 Percent of all direct health care outlays today are a result of *poor quality*.

...and Private purchasers absorb about one-third of these costs.

Poor quality costs a typical employer between \$1,900 and \$2,250  
per covered employee per year.

Source: Midwest Business Group on Health and Juran Institute 2002

**Choose the Right Procedure ... At the Right Hospital**



# VIRGINIA BUSINESS COALITION ON HEALTH

## HOSPITAL REPORT CARD (YR 2004 Data) - Colon Surgery

The colon, also called the large intestine or bowel, connects the small intestine to the rectum. Colon surgery may be done to remove a diseased section of the colon. The two ends of healthy colon may be sewn back together, or in the case of a colostomy, the healthy section is sewn to an opening in the abdomen, leaving the rectum unconnected.

Hospitals Compared	Patients Per Year (Volume)	% Mortality	Complications											LOS in Days	Total Charges	The Leapfrog Group		
			% BLD	% Hmh	% Iat	% DcU	% Wnd	% Res	% MI	% Pneu	% Misc	% UXE	% UTI			CPOE	IPS	QI
Alexandria Hospital	70	0.98	3.71	0.98	14.16	1.76	0.98	3.37	0	5.47	3.52	1.55	6.08	10.34	\$ 29,699	NA	NA	NA
Augusta Medical Center	88	4.88	0	2.28	7.89	1.5	4.4	1.84	3.68	0	0	1.06	5.24	9.11	\$ 30,078	NA	NA	NA
Bon Secours-Maryview Medical Center	129	3.15	1.01	0	20.03	0	7.33	4.05	0	1.68	4.44	0	0	8.17	\$ 43,513	*	**	****
Carilion New River Valley Med. Center	57	4.73	0	0	25.76	0	1.68	3.68	3.68	2.43	0	0	1.84	8.57	\$ 40,045	NA	NA	NA
Carilion Roanoke Memorial Hospital	168	5.37	0	1.86	15.7	0.89	7.06	5.62	0	5.05	0	1.18	4.51	9.82	\$ 37,988	NA	NA	NA
CentraHealth LGH/VBH	169	3.43	1.84	0.9	2.83	0	4.78	3.68	0.92	1.29	1.19	1.54	1.49	9.12	\$ 27,734	NA	NA	NA
Chesapeake General Hospital	92	2.34	1.83	0	12.4	0.92	9.56	2.89	0	1.99	2.34	1.22	5.5	10.47	\$ 27,007	*	*	**
Columbia Chippenham Medical Center	194	3.9	0	0.57	6.74	0	1.51	11.57	0	1.46	1.46	1.06	1.45	9.56	\$ 76,907	*	*	*
Columbia Henrico Doctors Hospital	195	1.15	0.9	2.26	12.28	0	1.66	10.12	1.35	0	1.01	1.57	0	9.33	\$ 74,845	*	*	*
Columbia John Randolph Medical Center	43	0	3.37	0	15.09	2.85	0	6.75	0	0	6.41	0	5.5	12.53	\$ 98,688	*	*	*
Columbia Montgomery Regional Hosp.	32	2.44	0	1.62	0	3.17	6.91	8.67	0	0	2.44	0	2.89	7.79	\$ 44,436	*	*	**
Columbia Reston Hospital Center	79	4.57	1.84	1.52	18.32	2.74	3.05	5.52	0	1.99	2.51	2.51	0	8.75	\$ 39,205	*	*	*
Danville Regional Medical Center	78	1.74	2.25	0	11.14	2.38	9.98	2.25	2.25	0	1.74	2.91	5.92	10.24	\$ 34,644	NA	NA	NA
DePaul Medical Center	77	5.23	0	8.9	17.21	0	3.48	4.5	0	0	2.6	0	4.5	8.25	\$ 33,257	*	*	**
Fauquier Hospital	42	0	0	2.44	11.34	8.78	2.44	5.06	0	21.87	0	2.44	0	7.19	\$ 29,147	NA	NA	NA
Halifax Regional Health System	34	0	0	3.66	2.03	0	2.03	4.05	2.02	2.73	0	3.66	0	9.94	\$ 29,086	NA	NA	NA
Inova Fair Oaks Hospital	74	0	0	1.43	10.32	0	4.36	3.68	1.84	2.43	1.07	0	4.25	8.79	\$ 29,540	NA	NA	NA
Inova Fairfax Hospital	324	1.09	1.69	1.33	12.92	0	4.16	4.64	0.42	2.92	1.26	3.25	1.54	8.49	\$ 29,433	NA	NA	NA
Johnston Memorial Hospital	34	5.42	0	8.74	7.18	0	4.47	0	0	10.93	0	0	0	8.12	\$ 25,045	NA	NA	NA
Lewis-Gale Hospitals	103	2.93	1.37	0	8.17	0	0	11.39	1.27	4.37	0.88	1.93	2.75	9.51	\$ 45,824	*	*	**
Loudoun Hospital Center	54	6.65	0	0	10.23	0	5.88	10.12	0	0	3.66	0	0	8.06	\$ 40,649	NA	NA	NA
Martha Jefferson Hospital	95	4.88	0	0	18.47	0	5.85	1.35	1.35	1.82	0.98	0.98	0	6.82	\$ 23,239	NA	NA	NA

Mary Immaculate Hospital	67	3.48	0	0	12.95	0	2.37	12.46	0	0	0	0.92	4.52	9.86	\$ 42,019	*	*	****
Mary Washington Hospital	146	2.5	0.63	1.25	12.08	0	3.31	4.43	1.9	3.64	1.26	2.85	3.5	8.43	\$ 25,477	NA	NA	NA
MCV Hospital	78	3.18	2.25	3.21	17.49	1.36	9.73	2.25	1.12	2.19	3.42	4.32	0	8.81	\$ 51,474	NA	NA	NA
Mem Hospital of Martinsville & Henry Co.	75	2.71	0	4.39	17.63	0	6.07	1.69	1.69	0	5.69	0	2.65	7.68	\$ 21,885	NA	NA	NA
Memorial Regional Medical Center	162	3.98	0	2.35	23.28	0	1.48	7.92	3.52	1.46	2.77	1.48	3.73	8.02	\$ 47,891	NA	NA	NA
Mount Vernon Hospital	56	3.66	0	2.98	8.13	1.5	4.2	10.79	0	0	1.22	0	2.7	8.18	\$ 31,779	NA	NA	NA
Obici Hospital	58	3.05	0	0	10.71	0	3.13	1.84	0	3.12	0	3.44	1.84	8.02	\$ 24,498	*	**	**
Potomac Hospital	53	0	0	2.44	23.41	0	4.88	12.65	0	7.29	5.14	4.06	2.75	11.54	\$ 41,181	NA	NA	NA
Prince William Hospital	54	10.16	0	3.5	9.03	2.31	4.07	5.06	0	10.93	1.97	3.5	0	7.85	\$ 39,374	NA	NA	NA
Columbia Retreat Hospital	34	2.03	0	4.07	6.5	0	2.03	12.65	2.53	3.12	0	0	0	9.72	\$ 83,426	*	**	****
Riverside Walter Reed Hospital	47	6.65	2.89	6.71	17.71	0	4.45	0	2.89	0	0	4.47	0	8.89	\$ 30,260	**	*	*
Riverside Regional Medical Center	142	4.07	0.96	1.37	15.31	0	2.08	3.86	0.96	3.12	2.08	0.68	1.77	7.85	\$ 39,496	**	*	**
Rockingham Memorial Hospital	78	2.44	0	0	5.99	1.68	7.14	7.36	0	3.64	0	2.44	5.51	7.75	\$ 20,040	NA	NA	NA
Sentara CarePlex Hospital	75	6.52	0	1.39	21.16	0	9.09	6.07	2.02	3.64	4.06	2.57	1.75	8.66	\$ 37,117	*	****	**
Sentara Leigh Hospital	105	3.15	1.92	2.28	23.3	0.98	3.81	5.28	0.88	1.68	0.75	2.32	0.88	8.88	\$ 31,940	*	**	**
Sentara Norfolk General Hospital	96	3.66	1.56	0	9.6	3.35	3.95	3.11	0	2.73	2.06	0.84	2.63	10.7	\$ 38,403	*	**	****
Southside Regional Medical Center	70	3.33	0	0	15.12	1.3	1.11	6.23	1.56	2.43	0	1.11	8.52	10.93	\$ 44,428	NA	NA	NA
St. Mary's Hospital of Richmond	102	5.69	2.53	4.34	25.93	1.06	3.66	7.59	1.27	0	2.03	4.9	8.94	10.53	\$ 59,182	NA	NA	NA
Twin County Regional Hospital	34	0	0	2.24	41.05	0	15.84	5.06	0	0	2.24	0	2.53	9.43	\$ 39,873	NA	NA	NA
University of Virginia Medical Center	147	1.22	1.44	2.53	15.79	0.75	10.3	4.31	2.61	2.57	2	4.36	5.89	9.57	\$ 37,503	NA	NA	NA
Virginia Beach General Hospital	145	3.76	0.69	0	27.88	1.3	9.72	7.59	2.53	1.82	1.15	1.64	2.64	8.62	\$ 33,471	*	****	**
Virginia Hospital Center Arlington	76	1.43	0	0	2.6	1.78	1.3	0	2.25	0	0	1.3	8.02	10.36	\$ 39,571	NA	NA	NA
Williamsburg Community Hospital	90	6.13	0	0.94	24.24	2.48	4.25	1.19	1.19	3.98	2.38	0	4.05	7.64	\$ 28,327	*	**	**
Winchester Medical Center	141	1.63	0	2.68	8.46	0	0.85	3.24	0	2.19	0	4.07	0.81	8.35	\$ 23,006	*	*	**

**Methodology**

Measures used to compare these hospitals are: the number of patients treated at each hospital, the percentage of patients who died (mortality), the percentage of patients who developed problems (complications), the average number of days people stay in each hospital (length-of-stay), and each hospital's average charges (costs). This report relies on Virginia All Patient Data (2004). The complications used are identified using guidelines from the Agency for Healthcare Research and Quality (AHRQ).

**Legend**

**Patients Per Year:** Number of patients treated at each hospital  
**Mortality:** % of patients who died while being treated  
**Complications:** % of patients who developed problems while being treated  
**BLD:** Blood Clots  
**LOS:** Average number of days people stay in the hospital for treatment.  
**Total Charges:** Average hospital charges for treatment; excludes physician fees and outpatient services.

**MI:** Heart Attack  
**Hmh:** Hemorrhage Complications  
**Iat:** Iatrogenic or Care Related Complications  
**DeU:** Decubitus Ulcer  
**Misc:** Miscellaneous complications

**Pneu:** Pneumonia  
**Res:** Respiratory Problems  
**UXE:** Unexpected Events  
**UTI:** Urinary Tract Infection  
**Wnd:** Wound Infection

**The Leapfrog Group [www.leapfroggroup.org](http://www.leapfroggroup.org)**

**LEAPFROG QUALITY & SAFETY PRACTICES:**  
**CPOE:** Electronic prescribing systems that intercept, and reduce errors by 50% or more, when they most commonly occur. **IPS:** Staffing ICUs with physicians who have credentials in critical care medicine has shown to reduce the risk of patients dying by more than 10%.  
**QI:** Quality Index: 27 safe practices that reduce risk of harm to patients in certain processes, systems or environments of care (National Quality Forum).

\*\*\*\* Fully implemented  
\*\*\* Good progress in implementing  
\*\* Good early stage effort in implementing  
\* Willing to report; did not meet criteria for good early stage effort.  
N/A-Not Applicable (hospitals were not in target area in 2004)

The Virginia Business Coalition on Health is a Regional Roll-out Leader for the Leapfrog Group for Patient Safety Hospital Survey. Visit [www.myVBCH.org](http://www.myVBCH.org) for more information and links to our quality initiatives.