

Update

Licensed Acute Care Hospital Beds

Maryland Acute Care General Hospitals
Fiscal Year 2011

Effective July 1, 2010



Update: Licensed Acute Care Beds Fiscal Year 2011

Background

An Annual Report profiling changes in licensed acute care hospital beds in Maryland's acute care hospitals was initiated in 2001 to document and track changes in the licensed bed inventory following implementation of a standardized annual licensure renewal process based on inpatient census. The process involves notifying hospitals prior to the beginning of each fiscal year concerning the calculated total number of licensed acute care beds for the coming fiscal year. In turn, the hospitals identify the allocation of the total licensed acute care beds across four service categories: medical/surgical/gynecological/addictions ("MSGA"); obstetric, pediatric, and acute psychiatric services. Over time, additional information on hospital service capacity, covering emergency department services, surgical services, obstetric and perinatal services, and non-acute care bed capacity have been added to the survey undertaken to update acute care bed licensure.

This interim update provides information on licensed acute care hospital beds for fiscal year 2011, which became effective July 1, 2010. The full report, *Annual Report on Selected Maryland Acute Care Hospital Services, Fiscal Year 2011*, will be released later this summer. That report, in addition to profiling changes in licensed acute care hospital beds, will also include updated information on emergency department capacity, surgical services capacity, obstetric and perinatal services capacity, and non-acute care beds in the general hospital setting.

Acute Care Hospital Bed Capacity

Licensed bed capacity for acute care hospitals in the State of Maryland is dynamic, calculated annually based on average daily acute care inpatient census. The Maryland Health Care Commission, in conjunction with the Health Services Cost Review Commission, calculates the average daily census of acute care patients for each hospital for the 12-month period ending with the first quarter of each year and total licensed acute care bed capacity is established for the next fiscal year at 140% of the hospital's average daily census. This licensure approach reflects an assumption that an average annual occupancy rate of approximately 71.4% for acute care hospital beds is an appropriate bench-mark for determining the maximum number of beds an acute care hospital needs to operate.

The initial implementation of this licensure process in 2001 resulted in a statewide reduction in licensed acute care hospital beds of 2,773 beds. However, total licensed acute care beds increased each year since the initial reduction in 2001 until the current fiscal year, 2011. Statewide the total number of licensed acute care hospital beds decreased by 151 beds in FY 2011. The annual increase from 2001 to 2010 in total licensed beds ranged from less than 1% to 2.5%. This year, FY 2011, total licensed beds, statewide, decreased by 1.4%.

Licensed Acute Care Hospital Beds in Maryland: FY 2011

Table 1 shows the licensed acute care bed capacity for each acute care hospital, by service, effective July 1, 2011. The calculation of licensed beds for FY 2011, based on each hospital's average daily census from April 1, 2009 through March 31, 2010, results in a total of 10,729 licensed acute care hospital beds in Maryland. Table 2 shows a ten-year trend in licensed acute care beds by hospital. Table 3 shows the percent change by region.

Table 1. Licensed Acute Care Beds by Hospital and Service: Maryland, FY 2011

Jurisdiction/ Region	Hospital	Acute Care Services				
		MSGA	Obstetric	Pediatric	Psychiatric	Total
Allegany County	Western Memorial Regional Medical Center	217	10	6	19	252
Frederick County	Frederick Memorial Hospital	219	27	10	20	276
Garrett County	Garrett County Memorial Hospital	26	4	1	0	31
Washington County	Washington County Hospital	212	18	10	18	258
WESTERN MARYLAND TOTAL		674	59	27	57	817
Montgomery County	Holy Cross Hospital of Silver Spring	288	88	26	0	402
	Montgomery General Hospital	121	11	2	25	159
	Shady Grove Adventist Hospital	255	56	25	0	336
	Suburban Hospital	192	0	6	24	222
	Washington Adventist Hospital	220	21	0	40	281
MONTGOMERY COUNTY TOTAL		1076	176	59	89	1,400
Calvert County	Calvert Memorial Hospital	76	8	2	12	98
Charles County	Civista Medical Center	104	12	4	0	120
Prince George's County	Doctors Community Hospital	195	0	0	0	195
	Fort Washington Medical Center	42	0	0	0	42
	Laurel Regional Hospital	63	10	0	14	87
	Prince George's Hospital Center	172	36	8	28	244
	Southern Maryland Hospital Center	176	30	4	25	235
	<i>Total: Prince George's County</i>	<i>648</i>	<i>76</i>	<i>12</i>	<i>67</i>	<i>803</i>
St. Mary's County	St. Mary's Hospital	66	12	6	12	96
SOUTHERN MARYLAND TOTAL		894	108	24	91	1,117
Anne Arundel County	Anne Arundel Medical Center	255	60	9	0	324
	Baltimore Washington Medical Center	291	6	10	14	321
	<i>Total: Anne Arundel County</i>	<i>546</i>	<i>66</i>	<i>19</i>	<i>14</i>	<i>645</i>
Baltimore City	Bon Secours Hospital	109	0	0	32	141
	Good Samaritan Hospital of Maryland	235	0	0	0	235
	Harbor Hospital	163	25	5	0	193
	James Lawrence Kernan Hospital	10	0	0	0	10
	Johns Hopkins Bayview Medical Center	301	17	10	20	348
	Johns Hopkins Hospital	721	35	138	100	994
	Maryland General Hospital	119	20	0	28	167
	Mercy Medical Center	213	26	5	0	244
	Sinai Hospital of Baltimore	340	25	35	24	424
	St. Agnes Hospital	276	29	9	0	314
	Union Memorial Hospital	243	0	2	26	271
	University of Maryland Hospital	613	30	58	56	757
	<i>Total: Baltimore City</i>	<i>3,343</i>	<i>207</i>	<i>262</i>	<i>286</i>	<i>4,098</i>
Baltimore County	Franklin Square Hospital	309	37	6	24	376
	Greater Baltimore Medical Center	217	60	8	0	285
	Northwest Hospital Center	201	0	0	14	215
	St. Joseph Medical Center	253	20	8	19	300
	<i>Total: Baltimore County</i>	<i>980</i>	<i>117</i>	<i>22</i>	<i>57</i>	<i>1,176</i>
Carroll County	Carroll Hospital Center	148	20	7	20	195
Harford County	Harford Memorial Hospital	77	0	0	24	101
	Upper Chesapeake Medical Center	167	14	5	0	186
	<i>Total: Harford County</i>	<i>244</i>	<i>14</i>	<i>5</i>	<i>24</i>	<i>287</i>
Howard County	Howard County General Hospital	178	34	6	20	238
CENTRAL MARYLAND TOTAL		5,439	458	321	421	6,639
Cecil County	Union Hospital of Cecil County	97	6	3	7	113
Dorchester County	Dorchester General Hospital	37	0	0	16	53
Kent County	Chester River Hospital Center	41	4	2	0	47
Somerset County	Edward W. McCready Memorial Hospital	8	0	0	0	8
Talbot County	Memorial Hospital at Easton	95	17	8	0	120
Wicomico County	Peninsula Regional Medical Center	324	20	8	10	362
Worcester County	Atlantic General Hospital	53	0	0	0	53
EASTERN SHORE TOTAL		655	47	21	33	756
MARYLAND TOTAL		8,738	848	452	691	10,729

Source: Maryland Health Care Commission, Acute Care Hospital Inventory (ACHI) FY2011.

Table 2. Trend in Licensed Acute Care Beds by Hospital: Maryland, FY 2002 - 2011*

Jurisdiction/Region	Hospital	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
Allegany County	Braddock Hospital	132	140	135	147	144	148	155	154	-	-	
	Memorial Hosp & Med Ctr of Cumberland	127	130	127	129	124	120	109	117	-	-	
	Western Maryland Regional Medical Ctr.**	-	-	-	-	-	-	-	-	262	252	
	<i>Total: Allegany County</i>	259	270	262	276	268	268	264	271	262	252	
Frederick County	Frederick Memorial Hospital	233	236	224	231	232	227	246	269	274	276	
Garrett County	Garrett County Memorial Hospital	35	34	34	32	33	31	34	36	33	31	
Washington County	Washington County Hospital	234	226	236	243	246	243	264	258	260	258	
WESTERN MARYLAND TOTAL		761	766	756	782	779	769	808	834	829	817	
Montgomery County	Holy Cross Hospital of Silver Spring	344	346	340	352	365	379	404	408	404	402	
	Montgomery General Hospital	142	140	147	156	144	144	149	165	170	159	
	Shady Grove Adventist Hospital	248	263	274	281	269	268	275	293	320	336	
	Suburban Hospital	230	228	229	231	228	212	228	238	239	222	
	Washington Adventist Hospital	338	322	315	318	292	285	294	292	288	281	
MONTGOMERY COUNTY TOTAL		1,302	1,299	1,305	1,338	1,298	1,288	1,350	1,396	1,421	1,400	
Calvert County	Calvert Memorial Hospital	92	100	100	102	105	107	105	106	98	98	
Charles County	Civista Medical Center	98	100	105	116	117	109	121	129	120	120	
Prince George's County	Doctors Community Hospital	175	176	185	194	181	186	192	195	190	195	
	Fort Washington Medical Center	39	41	40	43	41	42	42	43	43	42	
	Laurel Regional Hospital	107	114	117	116	108	96	95	97	95	87	
	Prince George's Hospital Center	284	290	276	283	269	268	264	246	254	244	
	Southern Maryland Hospital Center	204	240	248	252	246	257	258	255	246	235	
	<i>Total: Prince George's County</i>	809	861	866	888	845	849	851	836	828	1,021	
St. Mary's County	St. Mary's Hospital	83	82	82	84	88	105	108	108	103	96	
SOUTHERN MARYLAND TOTAL		1,082	1,143	1,153	1,190	1,155	1,170	1,185	1,179	1,149	1,117	
Anne Arundel County	Anne Arundel Medical Center	244	260	248	265	265	265	278	301	316	324	
	Baltimore Washington Medical Center	230	253	265	272	278	286	293	298	311	321	
	<i>Total: Anne Arundel County</i>	474	513	513	537	543	551	571	599	627	645	
Baltimore City	Bon Secours Hospital	157	153	152	148	142	141	151	125	126	141	
	Good Samaritan Hospital of Maryland	204	223	225	252	279	265	265	245	236	235	
	Harbor Hospital	170	166	161	177	182	186	203	215	221	193	
	James Lawrence Kernan Hospital	8	7	9	11	10	11	10	11	10	10	
	Johns Hopkins Bayview Medical Center	311	314	318	310	316	323	333	345	346	348	
	Johns Hopkins Hospital	927	920	921	945	956	958	982	979	990	994	
	Maryland General Hospital	183	195	209	214	196	205	209	191	180	167	
	Mercy Medical Center	217	211	214	223	228	224	235	243	244	244	
	Sinai Hospital of Baltimore	368	389	393	393	392	393	398	415	413	424	
	St. Agnes Hospital	281	287	299	300	308	323	314	307	318	314	
	Union Memorial Hospital	250	276	278	283	287	279	283	292	295	271	
	University of Maryland Hospital	629	656	648	650	665	669	689	705	731	757	
	<i>Total: Baltimore City</i>	3,705	3,797	3,827	3,906	3,961	3,977	4,072	4,073	4,110	4,098	
	Baltimore County	Franklin Square Hospital	329	336	332	335	343	357	362	380	371	376
		Greater Baltimore Medical Center	323	303	314	300	287	292	298	310	300	285
Northwest Hospital Center		181	190	209	204	209	214	213	218	221	215	
St. Joseph Medical Center		306	304	307	333	342	370	364	354	345	300	
<i>Total: Baltimore County</i>		1,139	1,133	1,162	1,172	1,181	1,233	1,237	1,262	1,237	1,176	
Carroll County	Carroll Hospital Center	172	194	200	194	199	210	216	218	213	195	
Harford County	Harford Memorial Hospital	99	85	82	85	91	94	91	104	105	101	
	Upper Chesapeake Medical Center	151	143	145	152	149	167	168	182	196	186	
	<i>Total: Harford County</i>	250	228	227	237	240	261	259	286	301	287	
Howard County	Howard County General Hospital	179	187	200	212	204	208	219	209	227	238	
CENTRAL MARYLAND TOTAL		5,919	6,052	6,129	6,258	6,328	6,440	6,574	6,647	6,715	6,639	
Cecil County	Union Hospital of Cecil County	103	108	106	116	111	99	105	116	113	113	
Dorchester County	Dorchester General Hospital	68	66	64	60	58	53	49	54	54	53	
Kent County	Chester River Hospital Center	49	46	50	56	57	58	62	57	53	47	
Somerset County	Edward W. McCready Memorial Hospital	13	15	12	9	8	9	8	9	8	8	
Talbot County	Memorial Hospital at Easton	138	137	132	135	129	120	123	120	125	120	
Wicomico County	Peninsula Regional Medical Center	317	323	322	333	360	371	366	362	358	362	
Worcester County	Atlantic General Hospital	39	39	37	44	40	49	51	53	55	53	
EASTERN SHORE TOTAL		727	734	723	753	763	759	764	771	766	756	
MARYLAND TOTAL		9,791	9,994	10,066	10,321	10,323	10,426	10,681	10,827	10,880	10,729	

Source: Maryland Health Care Commission.

*Prior to FY 2001, the number of licensed acute care hospital beds was based on physical bed capacity. Statewide, there were 12,328 licensed acute care beds in FY2000. In FY 2001, the first year that state law required licensure of acute care hospital beds based on actual patient census, the total number of licensed acute care hospital beds in Maryland declined to 9,562.

**Note: Western Maryland Regional Medical Center opened in November, 2009 as a replacement hospital for Braddock Hospital and Memorial Hospital and Medical Center of Cumberland.

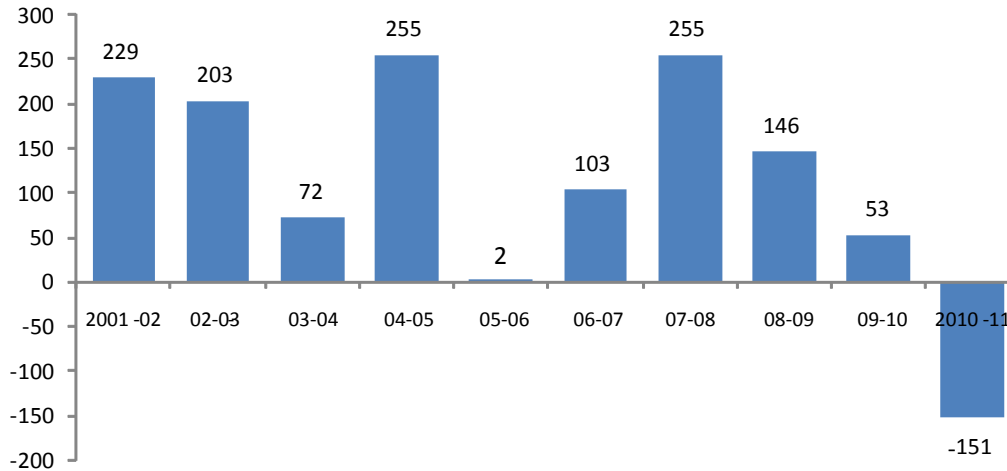
Table 3. Percent Change in Total Licensed Acute Care Hospital Beds, by Maryland Region: Fiscal Years 2002-2011

Region	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Average Annual Change, 2002 - 2011
Western Maryland	-0.3%	0.7%	-1.3%	3.4%	-0.4%	-1.3%	5.1%	3.2%	-0.6%	-1.4%	0.7%
Montgomery County	0.6%	-0.2%	0.5%	2.5%	-3.0%	-0.8%	4.8%	3.4%	1.8%	-1.5%	0.8%
Southern Maryland	0.5%	5.6%	0.9%	3.2%	-2.9%	1.3%	1.3%	-0.5%	-2.5%	-2.8%	0.4%
Central Maryland	3.6%	2.2%	1.3%	2.1%	1.1%	1.8%	2.1%	1.1%	1.0%	-1.1%	1.5%
Eastern Shore	4.9%	1.0%	-1.5%	4.1%	1.3%	-0.5%	0.7%	0.9%	-0.6%	-1.3%	0.9%
Maryland Total	2.4%	2.1%	0.7%	2.5%	0.0%	1.0%	2.4%	1.4%	0.5%	-1.4%	1.2%

Source: Maryland Health Care Commission

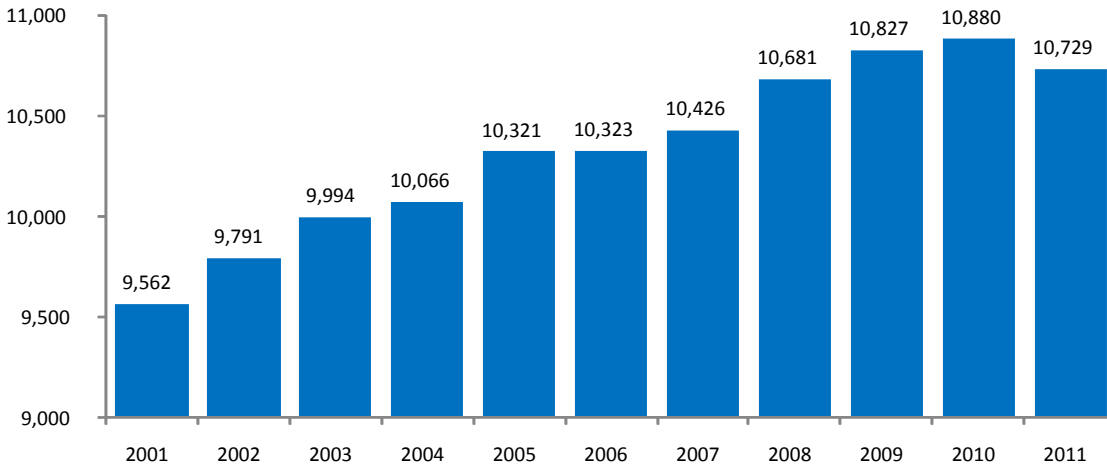
Figure 1 displays the annual net change in licensed acute care beds over the last ten years, while Figure 2 shows the total number of licensed beds over the same time period.

Figure 1. Change in Total Licensed Acute Care Beds: Maryland Hospitals, FY 2001 - 2011



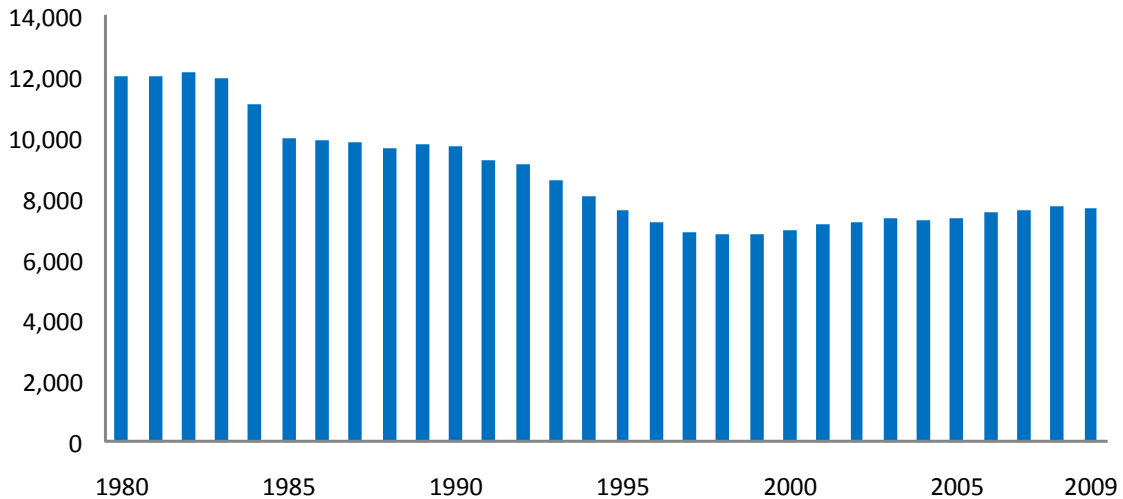
Source: Maryland Health Care Commission

**Figure 2. Total Licensed Acute Care Beds:
Maryland Hospitals, FY 2001 - 2011**



Source: Maryland Health Care Commission

**Figure 3. Trend in Average Daily Acute Care Patient Census:
Maryland Hospitals, CY 1980-2008**



Source: Maryland Health Care Commission. Note: Data reported is based on the Hospital Discharge Abstract Data Base for calendar years 1980 - 2009 and reflects the average daily census for all services excluding newborn and rehabilitative services.

While the average daily census of acute care patients has gradually trended upward since the late 1990's, hospital utilization in Maryland has remained below historic peaks. During calendar

year 2009, for the first time since dynamic hospital bed licensure went into effect in 2001, average daily census declined. Figure 3 shows the trend of declining acute care census from the early 1980s through the late 1990s, and the extent of the rebound in census that occurred in the last ten years.

Table 4 profiles the FY 2010 - 2011 change in total licensed acute care hospital beds from a regional perspective. Thirteen hospitals saw an increase in bed capacity. Twenty-seven hospitals saw a decrease in bed capacity and six hospitals had no change in bed capacity from the previous year. All of Maryland's five health planning regions saw an overall decrease in bed capacity.

**Table 4. Change in Number of Total Licensed Acute Care Beds by Region:
Maryland Hospitals, FY 2010 - 2011**

Region	Total Number of Hospitals	Net Change in Number of Total Licensed Beds	Percent Change	Number of Hospitals with an Increase in Beds	Number of Hospitals with a Decrease in Beds	Number of Hospitals with No Change in Hospital Beds
Western Maryland	4	(12)	-1.4%	1	3	-
Montgomery County	5	(21)	-1.5%	1	4	-
Southern Maryland	8	(32)	-2.8%	1	5	2
Central Maryland	22	(76)	-1.1%	9	11	2
Eastern Shore	7	(10)	-1.3%	1	4	2
MARYLAND TOTAL	46	(151)	-1.4%	13	27	6

Source: Maryland Health Care Commission

Table 5 profiles the change in the inventory of licensed acute care hospital beds for the past 10 fiscal years for the four acute care bed service categories. The MSGA bed category has had a sustained increase in the allocation of licensed bed capacity until this fiscal year. Obstetric beds, like MSGA beds, declined while pediatric bed capacity increased by one. The acute psychiatric bed capacity allocation increased for FY2011, continuing a pattern of gradual increase in allocation since 2007.

Table 5. Trend in Licensed Acute Care Beds by Service, Maryland Hospitals, FY 2001 - 2011

Service Category	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
MSGA	7,740	7,922	8,065	8,318	8,349	8,451	8,694	8,827	8,890	8,738
Obstetric	873	880	854	851	840	838	848	854	851	848
Pediatric	480	480	454	460	457	459	458	459	451	452
Acute Psychiatric	698	712	693	692	677	678	681	687	688	691
TOTAL	9,791	9,994	10,066	10,321	10,323	10,426	10,681	10,827	10,880	10,729

Source: Maryland Health Care Commission



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