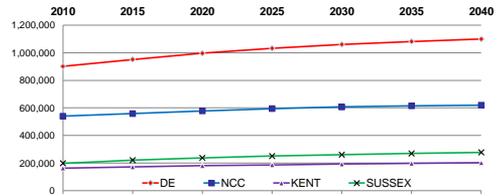


Delaware Nursing Home Utilization Statistics

January-December 2012

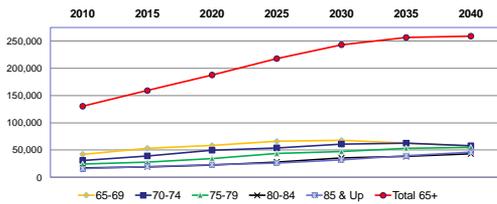
Delaware Health Resources Board
June 27, 2013

DE Population Projections (2010-2040), Overall Population



	2010	2015	2020	2025	2030	2035	2040	2010-2040 Percentage Increase
NCC	539,519	558,408	578,300	595,007	606,902	614,716	619,820	14.9%
KENT	163,324	172,323	180,333	187,074	192,834	197,734	202,152	23.8%
SUSSEX	198,365	220,960	237,517	250,365	260,513	269,243	277,321	39.8%
DE	901,208	951,691	996,150	1,032,446	1,060,249	1,081,693	1,099,293	22.0%

DE Population Projections (2010-2040), Age 65+ ONLY



	2010	2015	2020	2025	2030	2035	2040	2010-2040 Percentage Increase
65-69	42,219	53,214	58,230	65,855	67,668	62,449	57,252	35.6%
70-74	30,925	39,189	49,673	54,011	60,968	62,626	57,836	87.0%
75-79	23,967	27,602	34,542	43,635	47,300	53,366	54,852	128.9%
80-84	17,284	19,222	22,418	28,036	35,350	38,232	43,160	149.7%
85+	15,906	19,751	22,772	26,210	31,818	39,811	45,805	188.0%
Total 65+	130,301	158,978	187,635	217,747	243,104	256,484	258,905	98.7%

Delaware Nursing Homes: A 2012 Snapshot

- In 2012, 47 Delaware nursing homes operated a total of 5,081 licensed beds
- 44 out of 47 Delaware nursing homes are privately owned and operated
 - Private nursing homes accounted for 89% of all licensed nursing home beds in Delaware
- New Castle County: 27 private + 2 public (Emily P. Bissell, Governor Bacon)
- Kent County: 6 private + 1 public (Delaware Hospital for Chronically Ill)
- Sussex County: 11 private

Delaware Nursing Home Beds, by County and Facility Type

Year	Private Facilities							Public Facilities		All Facilities		
	New Castle County		Kent County		Sussex County		Total Private					
	Homes	Beds	Homes	Beds	Homes	Beds	Homes	Beds				
2002	26	2,425	5	530	10	1,161	41	4,116	4	655	45	4,771
2003	26	2,427	5	530	10	1,144	41	4,101	4	655	45	4,756
2004	26	2,400	5	521	10	1,133	41	4,054	4	653	45	4,707
2005	27	2,516	5	521	10	1,133	42	4,170	4	652	46	4,822
2006	26	2,427	5	530	10	1,144	41	4,101	4	655	45	4,756
2007	27	2,523	6	642	10	1,143	43	4,308	4	626	47	4,934
2008	26	2,498	6	642	12	1,323	44	4,463	4	626	48	5,089
2009	26	2,519	6	642	11	1,234	43	4,395	4	626	47	5,021
2010	26	2,519	6	642	11	1,234	43	4,395	3	591	46	4,986
2011	26	2,519	6	642	11	1,234	43	4,395	3	591	46	4,986
2012	27	2,569	6	672	11	1,264	44	4,505	3	576	47	5,081
2002-2012 % Change		5.9%		26.8%		8.9%		9.4%		-12.1%		6.5%

Measure of Utilization: BILLABLE PATIENT DAYS

- A billable patient day represents a unit of time (i.e., one day) during which the facility's services are used by one patient.
- For example, if a nursing home has 100 patients on a particular day, the facility has generated 100 billable patient days for that particular 24-hour period.
- If a facility's number of billable patient days increases from one time period to the next, it is an indication that the facility is
 - Caring for *more* patients
 - Caring for patients for *longer periods of time*, or
 - A combination of these two factors.

Number of **BILLABLE PATIENT DAYS** Utilized by Year

Year	Private Facilities				Public Facilities	All Facilities
	New Castle County	Kent County	Sussex County	Total Private		
2002	801,927	171,659	381,152	1,354,738	153,463	1,508,201
2003	793,095	178,907	380,156	1,352,158	144,012	1,496,170
2004	816,613	177,472	382,253	1,376,338	132,603	1,508,941
2005	800,955	176,226	367,391	1,344,572	135,622	1,480,194
2006	809,733	175,027	373,221	1,357,981	144,357	1,502,338
2007	830,921	179,315	371,520	1,381,756	142,893	1,524,649
2008	833,344	208,235	387,715	1,429,294	143,640	1,572,934
2009	824,262	219,019	404,234	1,447,515	137,584	1,585,099
2010	838,037	218,593	402,188	1,458,818	137,824	1,596,642
2011	829,974	219,302	398,550	1,447,826	131,675	1,579,501
2012	843,039	219,558	403,842	1,466,439	114,177	1,580,616
2002-2012 % Change	5.1%	27.9%	6.0%	8.2%	-25.6%	4.8%

OCCUPANCY RATES

- Occupancy rate: percentage of available beds occupied by patients during the reporting year
- Occupancy rates help put billable patient day data in context
 - Consider two NH facilities that both generate 100 billable patient days on a given day
 - This means two very different things if one NH facility has 100 beds and the other facility has 250 beds
- Occupancy rates are weighted based on the number of days a facility was open during the reporting year

Weighted **OCCUPANCY RATES**, 2002-2012

Year	Private Facilities				Public Facilities	All Facilities
	New Castle County	Kent County	Sussex County	Total Private		
2002	90.6%	88.7%	89.9%	90.2%	64.2%	86.6%
2003	89.5%	92.5%	91.0%	90.3%	60.2%	86.2%
2004	93.2%	93.3%	92.4%	93.0%	55.6%	87.8%
2005	87.2%	92.7%	88.8%	88.3%	57.0%	84.1%
2006	91.4%	90.5%	89.4%	90.7%	60.4%	86.5%
2007	90.2%	76.5%	89.1%	87.9%	62.5%	84.7%
2008	91.4%	88.9%	80.3%	87.7%	62.9%	84.7%
2009	89.6%	93.5%	89.7%	90.2%	60.2%	86.5%
2010	91.1%	93.3%	89.3%	90.9%	63.9%	87.7%
2011	90.3%	93.6%	88.5%	90.3%	61.0%	86.8%
2012	91.1%	89.5%	87.5%	89.8%	54.3%	85.8%
2002-2012 % Change	0.50%	0.80%	-2.40%	-0.40%	-9.90%	-0.80%

Total Number of Nursing Home **ADMISSIONS**, 2002-2012

Year	Private Facilities				Public Facilities	All Facilities
	New Castle County	Kent County	Sussex County	Total Private		
2002	4,584	861	1,744	7,189	103	7,292
2003	5,028	535	1,868	7,431	60	7,491
2004	5,442	618	2,001	8,061	68	8,129
2005	5,652	870	2,250	8,772	145	8,917
2006	5,358	755	2,246	8,359	156	8,515
2007	5,709	954	2,279	8,942	113	9,055
2008	5,835	1,066	3,242	10,143	126	10,269
2009	5,928	1,164	3,088	10,180	90	10,270
2010	6,406	1,353	3,247	11,006	119	11,125
2011	6,654	1,493	3,563	11,710	65	11,775
2012	6,566	1,696	3,477	11,739	31	11,770
2002-2012 % Change	43.2%	97.0%	99.4%	63.3%	-69.9%	61.4%

Percentage of Total Delaware Nursing Home **ADMISSIONS**, by Race and Age, 2012

	Age Groups				Total Admissions (by Race)
	Under 65	65-74	75-84	85+	
White Admissions	9.5%	15.1%	27.5%	28.7%	80.8%
Black Admissions	4.4%	4.3%	5.3%	3.4%	17.4%
Other Admissions	0.4%	0.3%	0.6%	0.4%	1.7%
Total Admissions (by Age)	14.3%	19.7%	33.4%	32.5%	100.0%

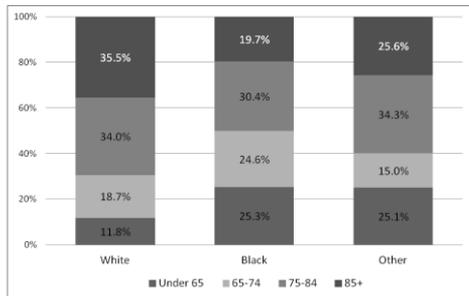
- In terms of race, the overwhelming majority (81%) of all Delaware nursing home admissions in 2002 represented white patients
- Patients age 75+ accounted for 66% of all Delaware nursing home admissions

Race and Age among Nursing Home **ADMISSIONS**: A Closer Look

- Black patients and patients of other races who were admitted to nursing home in 2012 represent an overall younger cohort compared to their white counterparts.
- 11.8% of all white nursing home admissions were individuals under the age of 65.
 - Relative to this, 25.3% of all black NH admissions and 25.1% of all other race NH admissions were individuals under the age of 65
- Among black patients admitted to Delaware nursing homes in 2012, exactly half were individuals age under the age of 75
- Take-home message: while white patients account for substantially more NH admissions overall, minority patients tend to be younger when they're admitted to DE NHs

Racial Breakdown of Delaware Nursing Home ADMISSIONS, 2012,
by Age

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Occupancy Rates + Admissions:

How DE Nursing Homes Have Evolved to Serve the Growing Population

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- Occupancy rate and admissions data, taken together, give us an idea of how DE NHs have been accommodating the increasing older population
- We already know:
 - ✓ The percentage of older Delawareans (age 65+) has increased over the past 10 years, and will continue to increase dramatically through 2040 (and beyond)
 - ✓ In each county, the number of billable patient days has substantially increased since 2002
 - ✓ Occupancy rates in private Delaware nursing homes have hovered near 90% for all three counties

Occupancy Rates + Admissions:

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How DE Nursing Homes Have Evolved to Serve the Growing Population

- ✓ Private Delaware Nursing Homes are admitting between 43% and 99% more patients than they were in 2002
- ✓ Since 2002, the number of private Delaware nursing homes has only increased by one facility in each of the three counties
 - New Castle County: from 26 to 27 private NHs
 - Kent County: from 6 to 7 private NHs
 - Sussex County: from 10 to 11 private NHs

- Thus, private DE NHs have expanded their facilities to treat more patients
- Occupancy rates in private nursing homes across the state hover near 90%

Total Number of Nursing Home DISCHARGES, 2002-2012

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Year	Private Facilities				Public Facilities	All Facilities
	New Castle County	Kent County	Sussex County	Total Private		
2002	4,690	658	1,766	7,114	119	7,233
2003	5,090	499	1,911	7,500	101	7,601
2004	5,438	582	2,024	8,044	96	8,140
2005	5,542	788	2,253	8,583	123	8,706
2006	5,398	689	2,198	8,285	133	8,418
2007	5,690	764	2,241	8,695	138	8,833
2008	5,706	934	3,152	9,792	127	9,919
2009	5,659	1,114	3,129	9,902	104	10,006
2010	6,214	1,404	3,313	10,931	117	11,048
2011	6,356	1,447	3,551	11,354	103	11,457
2012	6,339	1,558	3,454	11,330	87	11,417
2002-2012 % Change	35.1%	136.8%	95.6%	59.3%	-26.9%	57.8%

2012 Nursing Home DISCHARGES,
by Discharge Destination

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Facility Type	Discharge Destination						
	Home	Hospital	Assisted Living	Private LTCF	State Owned LTCF	Death	Other
Private	54.1%	28.1%	2.7%	2.5%	0.4%	10.6%	1.5%
Public	17.2%	10.3%	1.1%	4.6%	2.3%	59.8%	4.6%
All facilities	53.8%	28.0%	2.7%	2.5%	0.4%	11.0%	1.5%

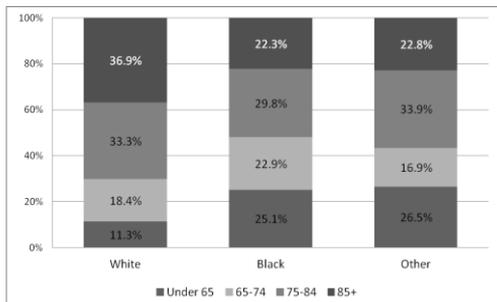
Percentage of Total Delaware Nursing Home DISCHARGES,
by Race and Age, 2012

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	Age Groups				Total Discharges (by Race)
	Under 65	65-74	75-84	85+	
White Discharges	9.2%	14.9%	27.0%	29.9%	81.0%
Black Discharges	4.4%	4.0%	5.2%	3.9%	17.3%
Other Discharges	0.4%	0.3%	0.6%	0.4%	1.6%
Total Discharges (by Age)	14.0%	19.2%	32.7%	34.1%	100.0%

- The racial breakdown of NH discharges mirrors that of admissions:
- In terms of race, the overwhelming majority (81%) of all Delaware NH discharges in 2012 represented white patients
- Patients age 75+ accounted for 67% of all Delaware nursing home discharges

Racial Breakdown of Delaware Nursing Home DISCHARGES, 2012, by Age



Payment Source

- Patient payment for nursing home care varies by type of facility
- Medicaid is the most common payer of NH care in Delaware
 - 55.3% of private NH patients and 81.2% of public NH patients used Medicaid as a source of payment
- Although the percentage of private NH patients using Medicare has increased slowly since 2002, Medicare is still not a major payer of NH care in Delaware.
 - In 2012, 18.8% of private NH patients and 0.3% of public NH patients used Medicare as their source of payment
- In 2012, 21.0% of private NH patients and 13.1 percent of public NH patients self-paid for their care

Delaware Nursing Home Patients by Payment Source, 2002-2012

Source of Payment	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Medicaid											
Public	82.0%	82.8%	79.7%	77.8%	75.4%	77.5%	76.3%	74.2%	80.7%	84.0%	81.2%
Private	52.6%	53.9%	54.7%	54.3%	53.0%	52.5%	51.0%	53.0%	53.3%	53.0%	55.3%
DE Total	55.6%	56.6%	56.9%	56.4%	55.1%	54.8%	53.7%	54.9%	55.7%	56.0%	57.1%
Medicare											
Public	1.0%	1.5%	2.1%	2.0%	1.2%	0.5%	0.4%	3.8%	0.5%	0.0%	0.3%
Private	11.6%	12.6%	13.1%	14.2%	15.1%	15.7%	17.0%	17.0%	18.1%	19.0%	18.8%
DE Total	10.6%	11.5%	12.1%	13.1%	13.8%	14.2%	15.4%	16.0%	16.6%	17.0%	17.4%
Self-Pay											
Public	3.5%	8.3%	3.2%	5.4%	18.9%	17.7%	19.6%	17.3%	16.3%	13.0%	13.1%
Private	33.1%	31.1%	29.7%	27.8%	27.5%	27.1%	26.2%	23.7%	22.5%	22.0%	21.0%
DE Total	30.1%	29.0%	27.4%	25.8%	26.7%	26.2%	25.6%	23.1%	21.9%	21.0%	20.4%
Other											
Public	13.6%	7.3%	15.0%	14.8%	4.5%	4.2%	3.7%	4.7%	2.4%	3.0%	5.4%
Private	2.6%	2.4%	2.5%	3.7%	4.4%	4.8%	5.4%	6.1%	6.1%	6.0%	5.0%
DE Total	3.7%	2.9%	3.6%	4.7%	4.4%	4.7%	5.3%	6.0%	5.8%	6.0%	5.0%

Summary

- Since 2002, overall occupancy rates for private NHs in all three counties have hovered near 90%
- The annual numbers of billable patient days and admissions to private Delaware NHs has steadily increased since 2002; increases in these figures have been most dramatic in Kent and Sussex Counties.
- White patients accounted for nearly 81% of all Delaware nursing home admissions in 2012.
 - While white patients account for substantially more NH admissions, black patients and patients of other races tend to be younger when they are admitted to Delaware nursing homes.
- Similar demographic trends are observed for discharges from Delaware nursing homes.

Summary

- Medicaid is the most commonly-used payer of NH care in Delaware
- Between 2010 and 2040, Delaware's total population is expected to increase 22 percent.
 - New Castle County: 14.9% increase
 - Kent County: 23.8% increase
 - Sussex County: 39.8% increase
- Projected population growth is much more dramatic among older Delawareans.
 - From 2010 to 2040, the statewide population of Delawareans age 65 and older is expected **double**

Future Directions

- As the HRB considers revising the statewide Health Management Plan,

How can Delaware strike a balance between community-based care and nursing home care for its older citizens?



End