

Classification of the Delaware Veterans Home and Its Impact on Bed Need Projections:

Moving Forward

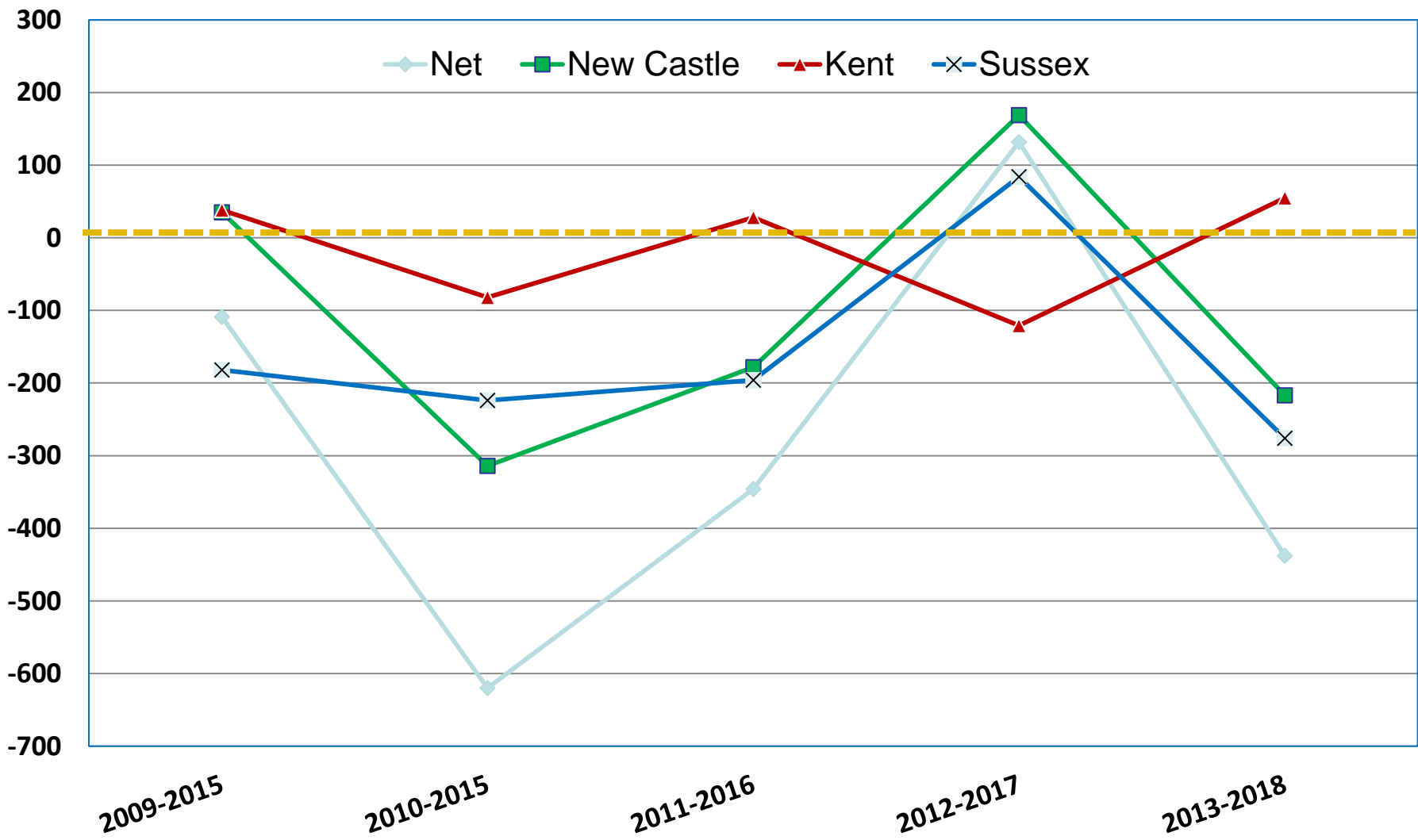
**Delaware Health Resources Board
August 28, 2014**



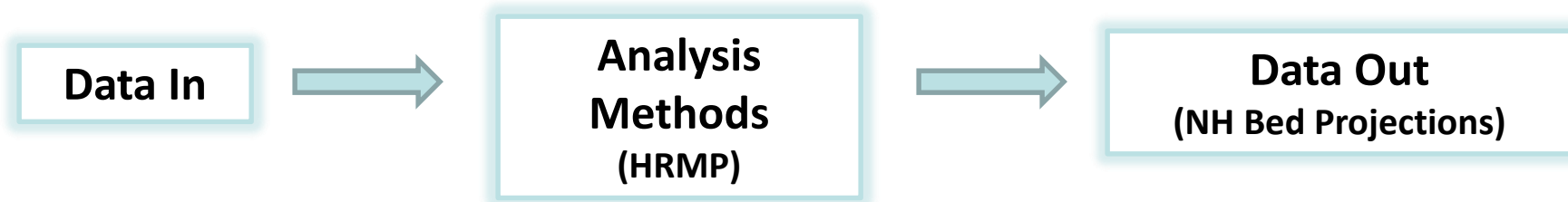
Why Discuss?

- DHCC collects annual surveillance data for all 47 nursing homes in the state
- Each year, the HRB uses these data to estimate future LTC bed needs
- Currently, LTC bed needs are calculated using the methodology outlined in Delaware's Health Resources Management Plan (HRMP) (adopted in 1995; last updated in 2010)
- The HRB is considering revising the methodology in an effort to obtain more meaningful LTC bed need estimates
- What's the main drawback with the current methodology?

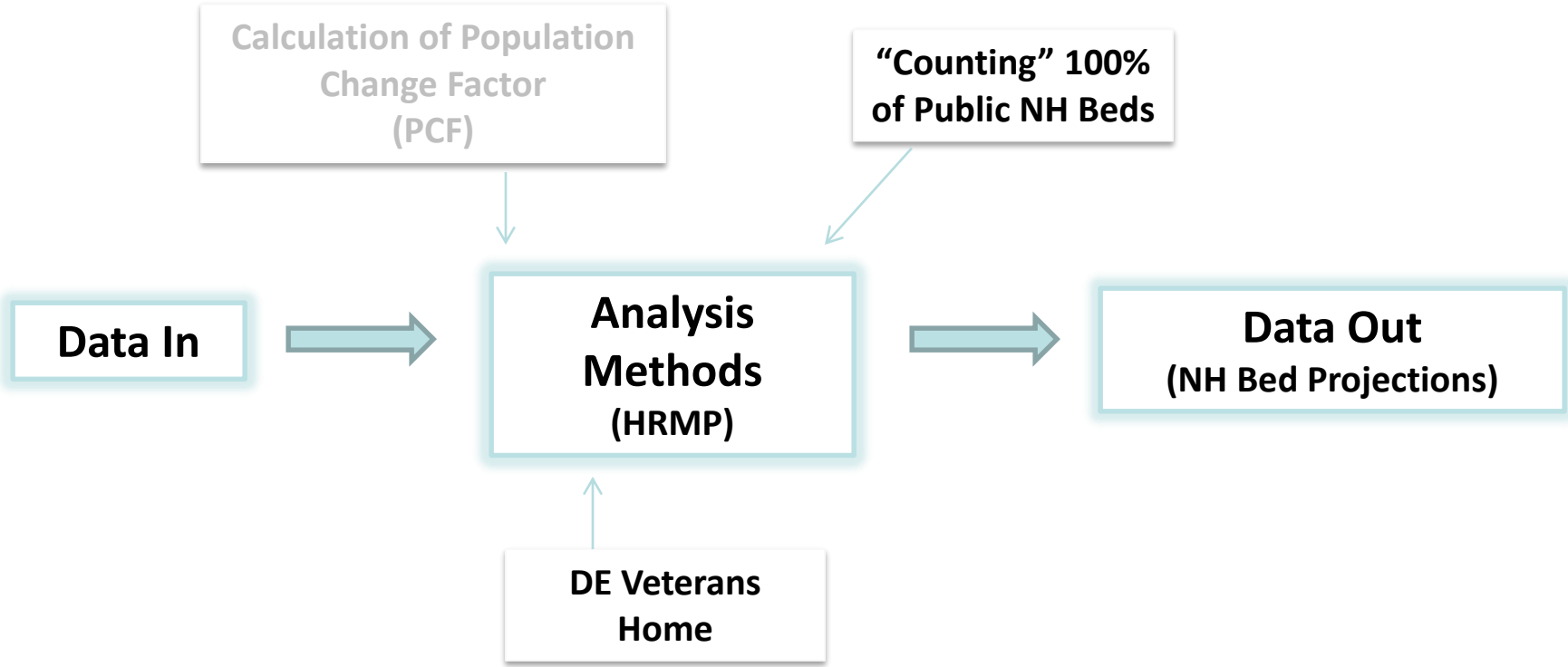
LTC Bed Need Estimates: Trends Over Time



Variability in Projections: Why So Much Fluctuation?



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Delaware Nursing Homes: A 2013 Snapshot

- In 2013, **47** NHs operated an average annual total of **5,107** licensed beds
- **44** out of 47 Delaware nursing homes are privately owned and operated
 - Private nursing homes accounted for 90% of all licensed nursing home beds in Delaware
- NCC: 27 private + 2 public (Emily P. Bissell, Governor Bacon)
- Kent: 6 private + 1 public (Delaware Hospital for Chronically III)
- Sussex: 11 private



Delaware Nursing Homes: A 2013 Snapshot

- Delaware's Public NHs are gradually reducing their numbers of available beds
 - Delaware Hospital for the Chronically Ill
 - January – September 2013: N=**397** beds
 - October – December 2013: N=**205** beds ↓
 - Emily P. Bissell Hospital:
 - January – December 2013: N=**85** beds
 - Governor Bacon Health Center:
 - January – March 2013: N=**94** beds ↓
 - April – December 2013: N=**86** beds

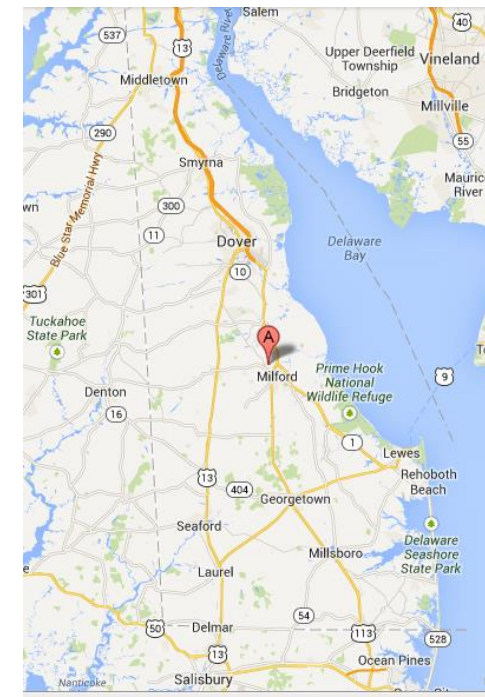


Delaware Veterans Home (DVH)

- 2004: Delaware Assembly signed into law HB396; provided funding for facility construction (Milford, DE (Kent County))
- 2007: DVH opens to residents; operates as a privately owned, four-unit, 150-bed facility
- Three Eligibility Requirements (all must be met):
 1. Military Service:
 - Honorably discharged from active service (peacetime or wartime) or Any National Guard Service or Reservist who is eligible for retirement pay at age 60 and has served on active duty at least 180 days (does not have to be consecutive)
 2. Must have resided in the State of Delaware for 3 years or more prior to application.
 3. Must meet state requirement for having a nursing home level of care.

Analysis Methods (HRMP): Delaware Veterans Home (Kent Co. Only)

Nursing Home	Billable Patient Days 2013	Number of Licensed Beds (2013)	Weighted Occupancy Rate (2013)
Kent County (Private)			
Capitol Healthcare	41,170	120	94.0%
Courtland Manor	22,072	70	86.4%
Delaware Veterans Home	44,978	150	82.2%
Pinnacle Rehab	49,267	151	89.4%
Silver Lake Center	40,583	120	92.7%
Westminster Village	20,581	61	92.4%
Kent County (Private)	218,651	672	89.1%



Analysis Methods (HRMP): Delaware Veterans Home (Kent Co. Only)

- Unlike other private NHs in Kent County, the majority of 2013 DVH admissions were not Kent County residents

Percentage of Admissions by County and State of Residence, 2013

Nursing Home	NCC	Kent	Sussex	MD	NJ	PA	Other
Kent County (Private)							
Capitol Healthcare	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Courtland Manor	4.4%	93.3%	0.0%	2.2%	0.0%	0.0%	0.0%
Delaware Veterans Home	22.4%	26.9%	50.7%	0.0%	0.0%	0.0%	0.0%
Pinnacle Rehab	12.6%	80.0%	3.6%	1.1%	0.2%	2.3%	0.2%
Silver Lake Center	1.2%	94.4%	3.2%	0.6%	0.0%	0.4%	0.2%
Westminster Village	3.8%	87.5%	5.0%	0.0%	0.0%	3.1%	0.6%
Kent County Total	5.6%	87.9%	4.5%	0.6%	0.1%	1.1%	0.2%

Analysis Methods (HRMP): Delaware Veterans Home (Kent Co. Only)

- In 2013, DVH had fewer admissions compared to other private NHs of similar bed size

Similarly-Sized Private NHs	County	# Licensed Beds	# 2013 Admissions
DE Veterans Home	Kent	150	67
Parkview	New Castle	150	171
ManorCare Wilmington	New Castle	139	549
Pinnacle	Kent	151	525
Harrison House	Sussex	139	284

Analysis Methods (HRMP): Delaware Veterans Home (Kent Co. Only)

2013 Discharge Destination, by Percentage

Nursing Home	Own/Relatives Home	Acute Care Hosp	Asst Living Facility	Other Private LTC	State LTC	Death	Other
Kent County (Private)							
Capitol Healthcare	77.5%	8.0%	3.3%	3.3%	0.6%	7.1%	0.3%
Courtland Manor	44.2%	15.4%	0.0%	5.8%	0.0%	34.6%	0.0%
Delaware Veterans Home	11.1%	15.6%	2.2%	0.0%	0.0%	68.9%	2.2%
Pinnacle Rehab	33.5%	55.0%	1.5%	1.1%	0.4%	6.5%	1.9%
Silver Lake Center	64.7%	20.9%	5.3%	1.7%	0.0%	6.6%	0.6%
Westminster Village	45.3%	26.4%	13.8%	0.6%	0.6%	12.6%	0.6%
Kent County (Private)	53.0%	29.7%	4.2%	1.8%	0.3%	10.0%	1.0%

Analysis Methods (HRMP): Delaware Veterans Home (Kent Co. Only)

- The DVH operates as a private NH facility
- As such, the DVH is classified as a private facility under current bed need projection methodology
- Yet, it represents an “outlier” in terms of other Kent Co. private NHs

Analysis Methods (HRMP): Delaware Veterans Home (Kent Co. Only)

- Despite differences in number of admissions and the proportion of Kent County residents admitted, **all 150 beds from the DE Veterans Home are assigned to Kent County as available private NH beds under the current bed need methodology**
- This inflates the picture of total private NH beds available to the general Kent County public and works to create a surplus LTC bed need scenario for the county

Analysis Methods (HRMP): Delaware Veterans Home (Kent Co. Only)

- How can we address the unique situation (methodological challenge?) of the Delaware Veterans Home while calculating LTC bed need projections for Delaware?

Analysis Methods (HRMP): Delaware Veterans Home (Kent Co. Only)

- Three Methodological Scenarios:
- What happens if...
 1. DVH considered a **PRIVATE** facility when calculating future bed needs
 2. DVH considered a **PUBLIC** facility when calculating future bed needs
 3. DVH **EXCLUDED** from Delaware LTC bed need projections



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***Note:** a potential change in the classification of the DVH refers the process of calculating LTC bed need projections, only. Actual designation of the facility will not change; the DVH will continue operations as a private NH facility.*

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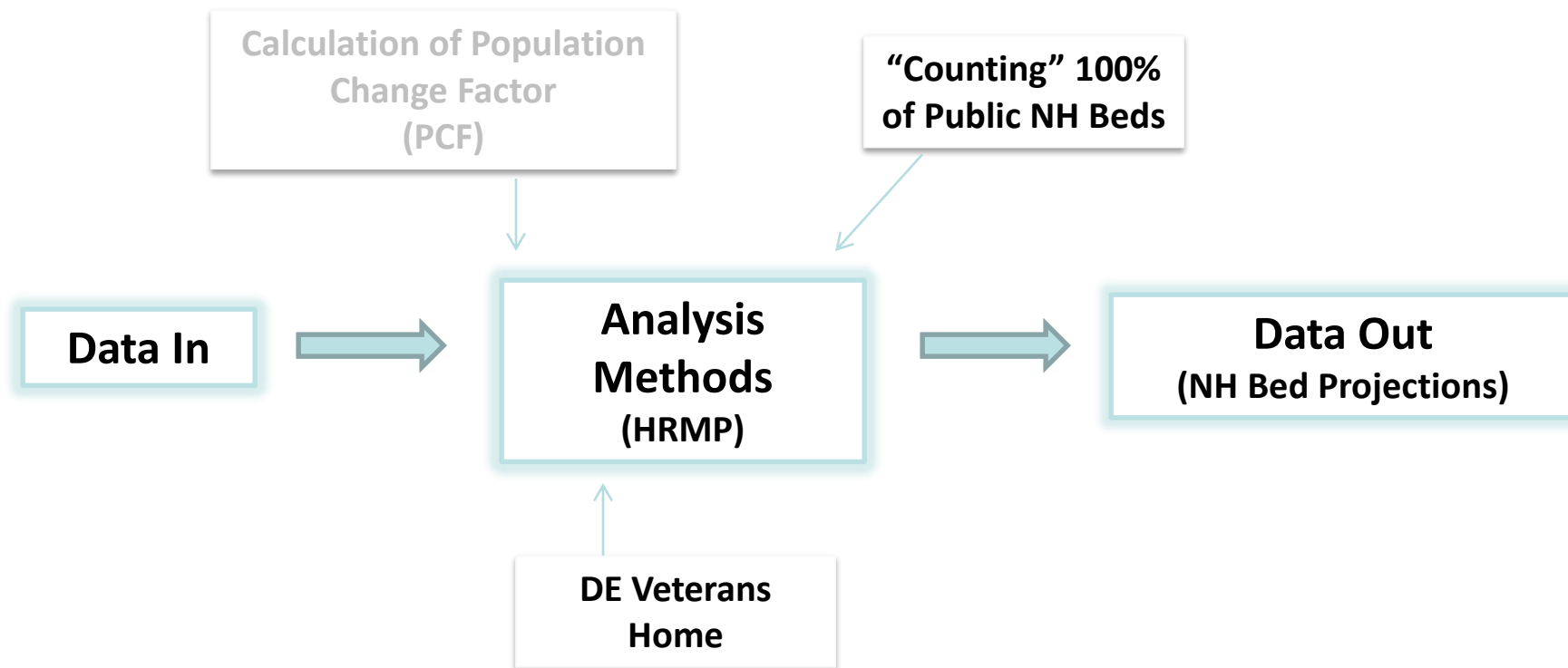
Please Refer to Handout!

Analysis Methods (HRMP): Delaware Veterans Home (Kent Co. Only)

- LTC Bed Need Projections Under Three DVH Scenarios

	Available Private Beds (Kent; 2013)	Available Public Beds (Kent; 2013)	Total Available Beds (Kent; 2013)	Projected Bed Need (Kent; 2019)	Projected Bed Need Shortage / Surplus (Kent; 2019)
Scenario 1: DVH Private	672	87	759	739	+24
Scenario 2: DVH Public	522	134	656	640	+16
Scenario 3: DVH Excluded	522	87	609	598	+11

Variability in Projections: Why So Much Fluctuation?



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	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
2013	27	2,649	6	672	11	1,264	44	4,585	3	522	47	5,107

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
2013	6,962	1,697	3,513	12,172	39	12,211

Analysis Methods (HRMP): Delaware Veterans Home (Kent Co. Only)

- How can we address the unique situation (methodological challenge?) of the Delaware Veterans Home while calculating LTC bed need projections for Delaware?

Analysis Methods (HRMP): Delaware Veterans Home (Kent Co. Only)

- What happens if...

The LTC bed need methodology is completely re-vamped to address Delaware's specific NH facility situation (i.e., the DVH, reduction in the number of staffed public beds)?



Analysis Methods (HRMP): Delaware Veterans Home (Kent Co. Only)

- HRB Sub-Committee
- 1. Annually determine nursing home utilization rates (beds per 1,000 population) by county by age group (<65, 65-74, 75-84, 85+)
- 2. Annually collect projected (3 years out) population data by county by age group
- 3. Annually apply the age-specific utilization rates to the projected populations for each age group to determine projected utilization rate by county; add products across age groups to determine bed need total for each county

Analysis Methods (HRMP): Delaware Veterans Home (Kent Co. Only)

- 4. Subtract projected bed utilization by county from existing inventory to determine bed surplus or shortage projected for that year
- 5. Use a five-year rolling average to determine final projected bed surplus or shortage for each county
- 6. Annually collect occupancy rate data for each county – check county-wide occupancy rate to determine if they don't exceed 94%. For a county with a projected shortage of beds and an occupancy rate of 94% or above, the need determination is the projected shortage rounded to 10

Discussion

End