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# FUTURE OF NURSING™ Campaign for Action

#### **ACKNOWLEDGEMENTS**

RWJF/AARP Future of Nursing State
 Implementation Program Grant 2013-15





- Vermont AHEC
- Vermont Organization of Nurse Leaders



#### **OBJECTIVES**

- 1. Participants will review and critique a projection tool created by one state to determine the number of RN to BSN graduates needed to achieve 80% BSN by 2022.
- 2. Participants will identify challenges, barriers, and successes in the path of employers, educators, and nurses to achieving this goal.



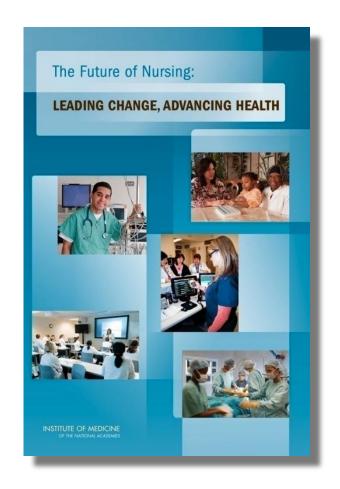
#### **PURPOSE**

A model for achieving 80% BSN prepared nurses was created to inform stakeholders of short and long term goals for numbers of graduating BSN prepared nurses in one state.



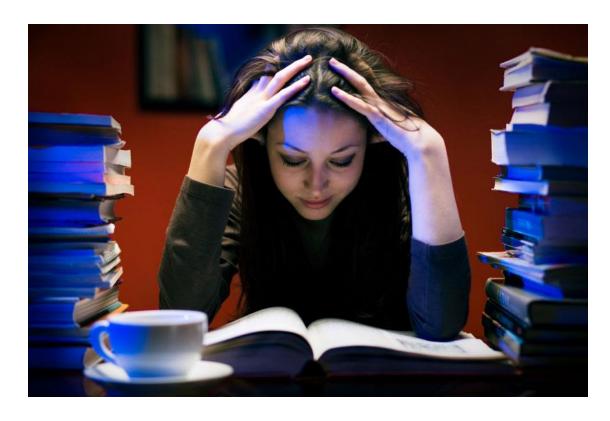
The IOM Future of Nursing report recommended that nurses can help transform our healthcare system if they are prepared to practice at the fullest extent of their education and license.

The BSN prepared nurse is best suited to use evidence based practice to ensure the health of populations across settings. States must determine how best to achieve a workforce with 80% BSN prepared nurses over the next decade.





- RN employment is expected to grow most rapidly in outpatient settings - particularly physician offices and home health care.
- The Affordable Care Act will likely impact the places where RNs work, and the skills they need to be successful in these settings
- RNs will be expected to serve as care coordinators, case managers, patient educators, and chronic care specialists (Spetz, 2014)





Definition of Model (Dall, 2014)

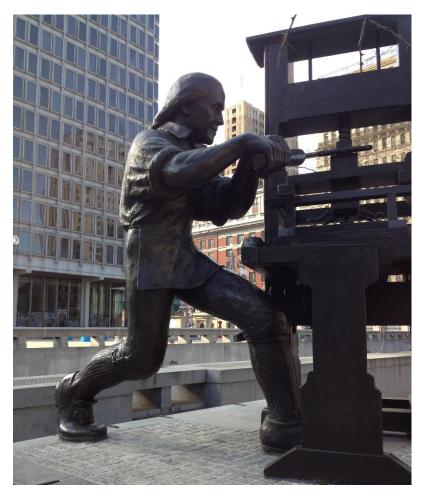
"A model is a mathematical framework representing some aspects of reality at a sufficient level of detail to inform a clinical or policy decision"

(Roberts M, Russell LB, Paltiel AD, Chambers M, McEwan P, Krahn M. Conceptualizing a model: a report of the ISPOR-SMDM Modeling Good Research Practices Task Force--2. Value Health 2012; 15(6):804-811)



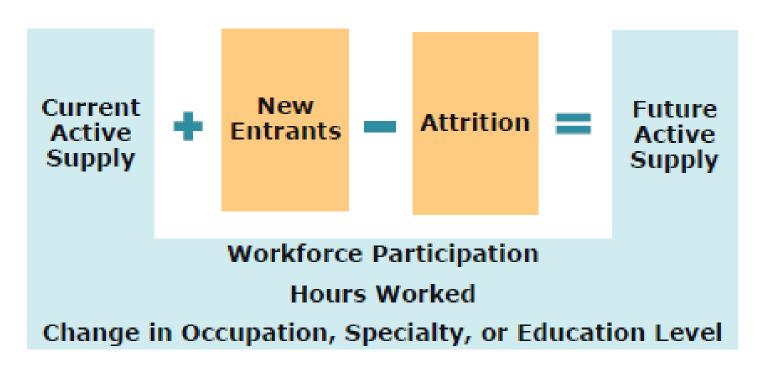
Pitfalls of Models and Projections (Dahl, 2014)

- Models and projections need periodic updating and refinement
- Assumption errors
- Technology changes
- Small sample size issues
- Defensive medicine
- Change in scope of practice
- Change in costs or reimbursement mechanisms

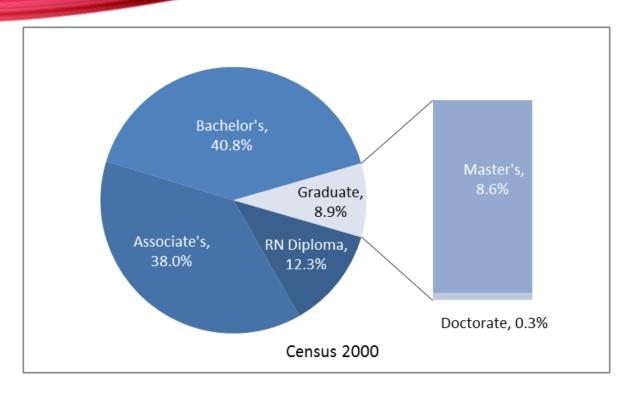




#### Conceptual Model for Health Workforce Supply







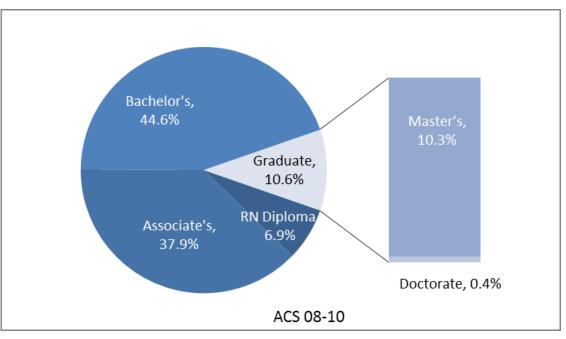
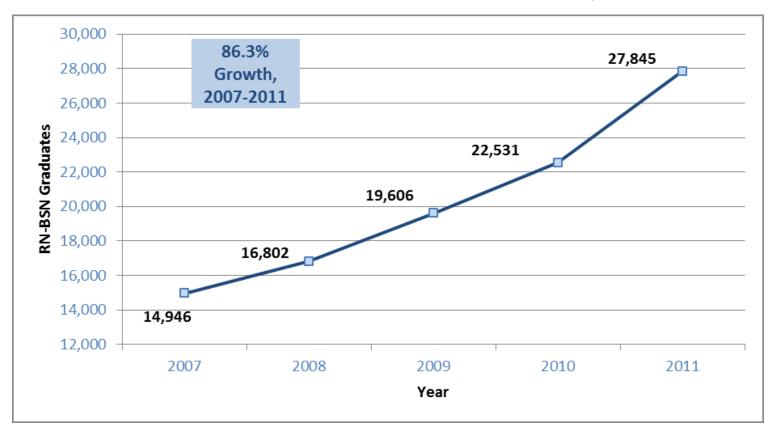


FIGURE 8. HIGHEST DEGREE HELD BY RNS, CENSUS 2000 AND ACS 2008 TO 2010 HRSA, FIGURES FROM THE REPORT AVAILABLE AT BHPR.HRSA.GOV/HEALTHWORKFORCE/REPORTS/NURSINGWORKFORCE



## The U.S. Nursing Workforce: Trends in Supply and Education HRSA (year)

#### LICENSED RNS GRADUATING WITH BSN QUALIFICATION, 2007 TO 2011





### **Nursing Education**

There has been a 153% increase over the last 15 years in the number of RN graduates in the state of Vermont - 129 in 1999 to 326 in 2014.

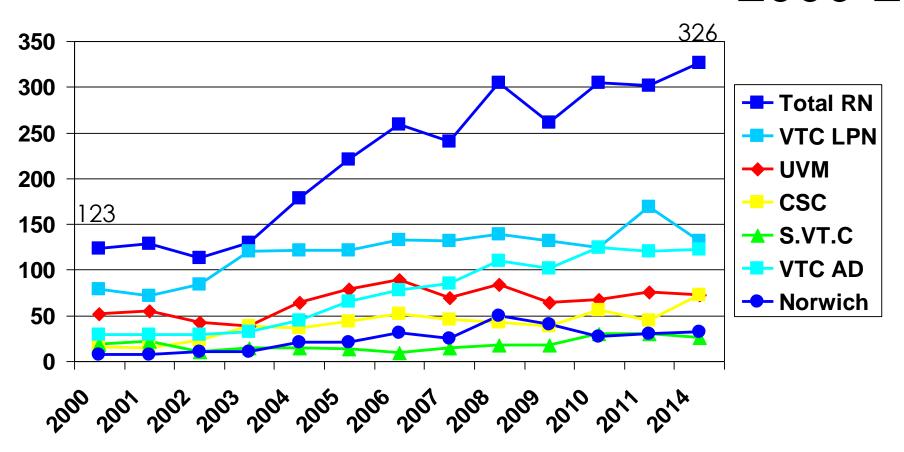
All five nursing programs in VT now offer a bachelor's degree in nursing. Two programs offer a master's degree and one offers the doctor of nursing practice degree. The number of RNs with a BS degree has not increased in 15 years.

### **BACKGROUND**

In Vermont



# VERMONT NURSE GRADUATES 2000-2014

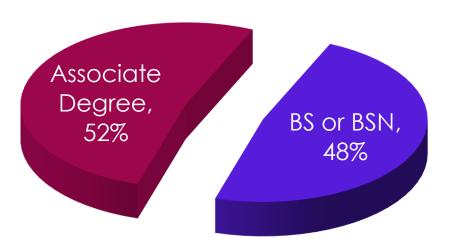




#### RN GRADUATES IN VERMONT

#### 2000 RN Graduates

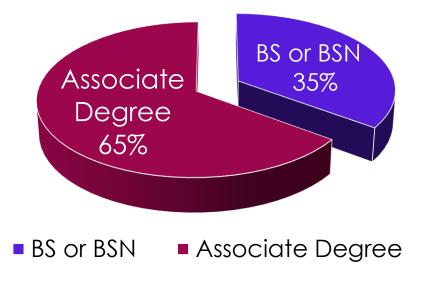
n = 123



■ BS or BSN ■ Associate Degree

#### 2014 RN Graduates

n = 326

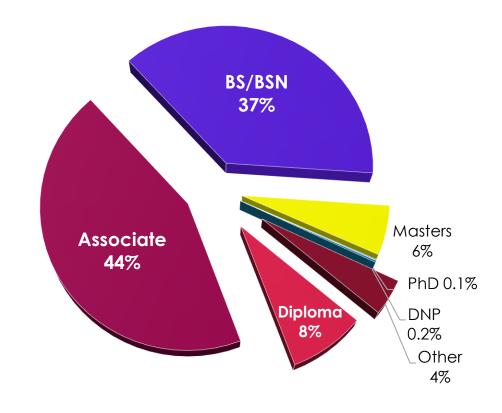




# LEVEL OF EDUCATION AMONG REGISTERED NÜRSES WORKING IN VERMONT

### 2015 RN Relicensure Survey Preliminary Results

- Electronic entry only
- Degree at Licensure and Highest Degree obtained
- Other includes nonnursing BS and higher
- BS or higher = 47%



■ Diploma ■ Associate ■ BS/BSN ■ Masters ■ PHD ■ DNP ■ Other



#### **METHODS**

Our model was created using historical data regarding the age distribution of RN, BSN, and those converting from RN to BSN.





#### **METHODS**

- We assumed that 10% of each age group "graduates" into the next age group annually and is replaced with 10% of the preceding age group.
- Users input:
  - 1. the % of new BSN entering the workforce each year
  - 2. their age distribution
  - 3. the % converting from RN to BSN, and
  - 4. the annual growth/shrinkage in the workforce.



#### **METHODS**

- Baseline assumptions made using actual data from Vermont 2013 Board of Nursing Re-licensure Survey
- Output provides yearly percentages and final % BSN in 2022

NPUT		
raditional BSN		
6 new RNs entering with BSN (in 2013):	# of RNs in workforce in 2012*:	6310
6 new RNs entering with BSN (starting 2016): 70%	% change in # of RNs in workforce per year**:	1%
6 new RNs entering with BSN (starting 2020):	-	
RN to BSN	Age of RNs entering workforce: 20-29 years:	40%
6 of RN -> BSN per year (94 in 2013***): 1.5%	30-39 years:	50%
6 of RN -> BSN per year (starting 2016):	40-49 years:	10% - Must add to 100%
6 of RN -> BSN per year (starting 2018): 4.0%	50-59 years:	0%
6 of RN -> BSN per year (starting 2020): 5.0%	60+ years:	0%
** 2013 RN to BSN grads = 94 VBON		VT Dept of Labor*
DUTPUT		VT Dept of Labor Occupation projection 2010-202
% BSN in 2022: 80%		



#### RESULTS/OUTCOMES

• In one small state, it is estimated that the number of RN to BSN graduates must increase by 365% by 2022.

• Using current assumptions, Vermont will face challenges to achieve 80% BSN by 2022.

#### **LIMITATIONS**

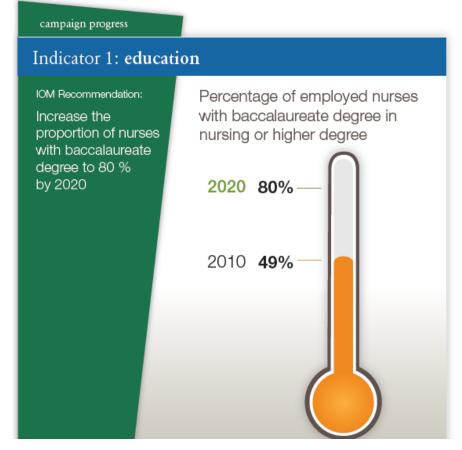
Did we get our assumptions correct?





#### DISCUSSION

- How will economics impact the VT nursing workforce in the next decade?
- How will the cost of education impact RNs ability to return to school?
- Will changes in health care reimbursement affect RN positions?
- Will an academic progression campaign influence RN to BSN enrollment in one small state?





#### DISCUSSION

**Barriers:** Cost of college, age of RNs, employers lack of differentiated pay.

**Challenges:** Adjustment of curriculums to meet new nursing skills, faculty preparedness.

**Successes:** Increase in interest in nursing careers, increased diversity, Future of Nursing report and Campaign for Action, Forum of State Nursing Workforce Center

Projections of the necessary number of RN to BSN graduates can serve as tool to benchmark progress over the decade ahead.

Projections and models must be updated based on a changing healthcare landscape.

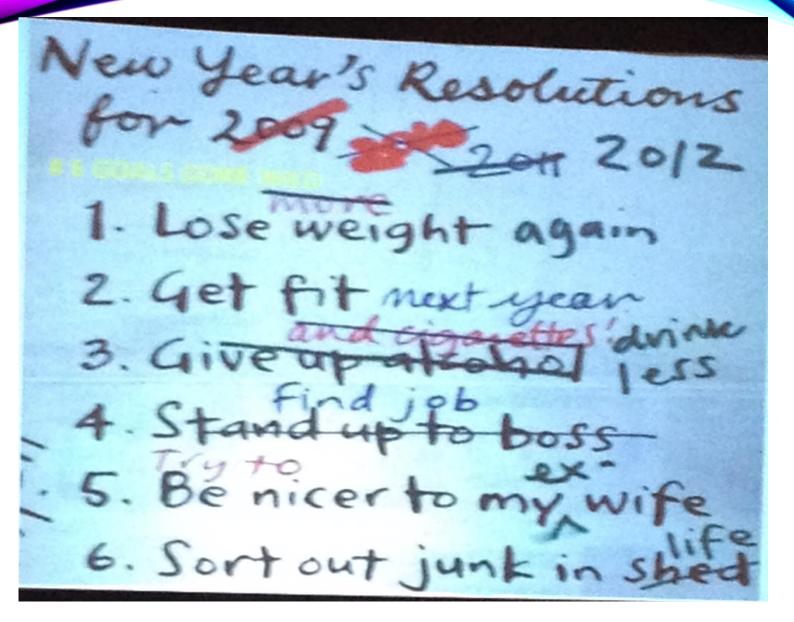
#### CONCLUSIONS





Let's hope projections are a little more reliable than New Year's Resolutions

**Eileen O'Grady, PhD, NP,** Certified Wellness & Life Coach





#### QUESTIONS ??



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