

**2011 FINAL:**  
**LABOR MARKET SUPPLY-DEMAND ANALYSIS FOR PATIENT-CARE REGISTERED NURSES**  
**ILLINOIS STATEWIDE**

**Demand:**

**1. Determine current/base year occupational employment and projected growth rate.**

**a. Reconcile with other data sources (e.g., IDFPR licensure data).**

Number of licensed RNs, 2011 (IDFPR) = 161,326

Percentage of licensed RNs retired = 8.3%

Percentage of RNs in non-patient-care industries = 10.9%

Number of licensed APNs, working as APNs = 7,012

Number of patient-care RNs = (licensed RNs) less (% RNs retired) less (% RNs in non-patient-care industries) less (licensed APNs, working as APNs)  
= 123,339

Number of RNs, 2011 (IDES estimate) = 117,648

\* Current Occupational Employment, Registered Nurses = 120,494

**b. Compare IDES projections to national growth rates and industry studies.**

Employment trends in the State of Illinois in Healthcare over the last 5 years:

- the annual growth rate for Healthcare jobs has ranged from 1.4% to 2.4%:
- within just Ambulatory Health Care (32% of Healthcare employment), from 3.0% to 3.9%;
- within just Hospitals (34% of Healthcare employment), from -0.9% to 1.4%; and,
- within just Nursing & Residential Care Facilities (20% of Healthcare emp.), from 1.1% to 2.6%.  
(Note: the annual growth for all jobs in the State of Illinois has ranged from -4.9% to 1.2%.)

Projected (BLS/IDES) growth rates for this occupation:

Nation = 2.2%

State = 2.1%

\* Consensus occupational growth rate = 2.2% = 2,651 new RN positions per year

**2. Account for possible adjustments to separation/replacement rates based upon occupational- or industry-specific studies of vacancy rates and turnover rates.**

- The IDES replacement rate = 1.58% (includes separations from the occupation due to retirement, death, occupational transfer and for family or health reasons).
- Data on planned years until retirement from the IDFPR Nursing Workforce Survey Report indicate an annualized retirement rate that ranges from 2.0% in the first year to 3.4% in 6 to 10 years.
- MCHC Vacancy Surveys from 2008 to 2011 (conducted each January and July) indicate vacancy rates for RNs ranging from 2.5 % to 5.2%. (The MCHC vacancy rate includes separations, retirement, turnover and job growth.)

\* Consensus occupational replacement rate = 2.9% = 3,494 RN positions per year due to replacements

\* (Current Employment) X (consensus growth rate) + (Job Replacement Openings) =

**Statewide Demand for Registered Nurses = 6,145 RN job openings per year**

## **Supply:**

- 3. Account for all sources of education and training.**
  - a. Create a data base of program completers.**
  - b. Calculate an average annual supply by program level - best-fit supply trend/projection.**
  - c. Utilize administrative files to adjust supply figure (e.g., licensure rates from IDFPR).**
- 4. Supply adjustments needed to account for leakage, e.g., from IL (leaving the state for employment); from the industry (RN employed in non-healthcare occupation); and, from labor force (further education, not working).**
  - 5-year (2006-2010) avg., educ. completers (public & private), both ADNs and BSNs = 4,917.
  - # of graduates steadily increasing from 4,176 (in '06) to 5,671 (in '10) = up 26% over 5 years.
  - Generic BSN completers (did not get an ADN first): 5-year avg. = 75%.
  - Over those same five years:
    - 95.4% of completers were tested.
    - of those tested, 89.0% passed.
  - Based upon licensure data from IDFPR, from 2006-2010 (the same 5 years):
    - annual number of newly licensed RNs has increased substantially from 5,928 to 8,243.
    - 61% were trained at Illinois educational institutions, 28% were domestically trained (outside IL), and 9% were foreign trained. (Note: 2% undetermined.)
  - From 2001 to 2010, 54,835 RNs were licensed in IL. 25% are not working in any industry in IL. (> 7% are working in non-healthcare industries, majority of those are in Personnel Supply, Misc. Services, Education, and Government industries.)

## **Projected Annual Statewide Supply of Registered Nurses =**

Based upon recent trends, New Active Licensed RNs each year = 7,775  
(less) avg. leakage rate of 32.0% = (less 2,488) = 5,287

## **Estimated Annual Supply-Demand Balance of RNs = (through 2018)**

Demand (less) Supply = 6,145 – 5,285  
= 860 Shortage

## **Data Sources:**

- Illinois Department of Employment Security
- Illinois Department of Financial and Professional Regulation (e.g., 2007 Nursing Workforce Survey Report)
- U.S. Department of Labor, Bureau of Labor Statistics
- Illinois State Board of Education
- Illinois Community College Board
- Illinois Board of Higher Education and Illinois Shared Enrollment and Graduation Data Files
- Illinois Department of Commerce and Economic Opportunity (e.g., Critical Skills Shortage Database)
- Other (e.g., Department of Defense data on military separatees to IL; ISBE summary data on private business and vocational schools)