

## 2011 FINAL:

### LABOR MARKET SUPPLY-DEMAND ANALYSIS FOR LICENSED PRACTICAL NURSES (LPNs) 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 LPNs, 2011 (IDFPR) = 26,066

Percentage of licensed LPNs retired = 5.7%

Number of patient-care LPNs = (LPNs) less (% retired) = 24,580

Number of LPNs, 2011 (IDES estimate) = 26,193

\* Current Occupational Employment, Licensed Practical Nurses = 25,387

##### 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 = 2.07%

State = 2.03%

\* Consensus occupational growth rate = 2.05% = 520 new LPN 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 = 2.84% (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 2007 Nursing Workforce Survey Report indicate an annualized retirement rate that ranges from 1.6% in the first year to 14.1% in 6 to 10 years.
- MCHC Vacancy Surveys from 2008 to 2011 (conducted each January and July) indicate vacancy rates for LPNs in Northeastern IL ranging from 1.2 % to 8.8%, (January 2011 = 2.4%). (The MCHC vacancy rate includes separations, retirement, turnover and job growth.)

\* Consensus replacement rate = 2.6% = 660 jobs due to replacement needs each year

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

**Statewide Demand for Licensed Practical Nurses = 1,180 LPN 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 (LPN employed in non-healthcare occupation); and, from labor force (further education, not working).**

- 5-year (2006-2010) avg. educ. completers (public & private) LPN programs = 1,709.
- Over those same five years,  
91% of tested completers passed the NCLEX test = 1,619 per year.
- Based upon licensure data from IDFPR, from 2006-2010 (the same 5 years):
  - annual number of new licensed LPNs has increased substantially from 934 to 2,188.
- From 2001 to 2010, 10,673 LPNs were licensed in IL (preliminary). 14.3% are not working in any industry in IL. Of those working:
  - 55.8% work in Nursing and Residential Care Facilities;
  - 10.4 % in Hospitals; and
  - 18.2% in Ambulatory Health Care Services.(14.1% are working in non-healthcare industries, majority of those are in Misc. Services, Government, Personnel Supply, and Education industries.)

**Projected Annual Statewide Supply of Licensed Practical Nurses =**

Based upon recent trends, New Active Licensed LPNs each year = 2,100  
(less) avg. leakage rate of 18.0% = (less 378) = 1,722

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

Demand = 1,180 v. Supply = 1,720 >> Probable surplus of 540.

**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 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)