

The Pennsylvania Licensed Practical Nurse Workforce In Health Care

Updated - New SHIP Survey Data & Projections

High Estimate LPN Model (Table A)										
LICENSED PRACTICAL NURSE SUPPLY										
Variable	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Employment In Health Care in PA (A)	37,600	36,400	35,400	34,500	33,600	32,700	31,800	30,900	30,000	29,100
Unemployed Seeking Emp in HC in PA (B)	1,800	1,700	1,600	1,500	1,400	1,300	1,200	1,100	1,000	900
New Entries (C)	1,700	1,900	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Replacements (D) 1.67% to 3.95% + Career Develop.	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900	2,900
NET SUPPLY = A+B+C-D	38,200	37,100	36,100	35,100	34,100	33,100	32,100	31,100	30,100	29,100
LICENSED PRACTICAL NURSE DEMAND (projected employment)										
Variable	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Employment In Health Care in PA (A)	37,600	38,000	38,400	38,800	39,200	39,600	40,000	40,400	40,800	41,200
Unfilled at 6.7 (B)	2,400	2,400	2,400	2,500	2,500	2,500	2,500	2,600	2,600	2,600
Growth (C)	400	400	400	400	400	400	400	400	400	400
NET DEMAND (ND) = A + B + C	40,400	40,800	41,200	41,700	42,100	42,500	42,900	43,400	43,800	44,200
SHORTAGE (NS – ND)	-2,200	-3,700	-5,100	-6,600	-8,000	-9,400	-10,800	-12,300	-13,700	-15,100
PROJECTED SHORTAGE	-5%	-9%	-12%	-16%	-19%	-22%	-25%	-28%	-31%	-34%

Notes:

-The shortage of LPNs is projected to be higher in 2010 when compared to the previous LPN Workforce Report (Summer 2005). This shortage is expected to increase steadily through 2016.

-If you compare this model to the one in the previous LPN Workforce Report, the slight decrease of new entries coupled with an increase of LPNs in career development programs, and an increase of growth openings increased the LPN shortage.

-For comparison, 2010 Employment (A) in the last model was 33,200 compared to 34,500 in this model. Overall, the 2010 Shortage was -4,100 in the last model compared to -6,600 in this model.

-The annual growth openings increased from 300 in the last model to 400 per year in this model.

-In this model, the vacancy rate was kept the same as the previous model. However, the historic percent of LPN's that passed the licensing exam, and the percent that will seek health care employment were updated in this model.

Low Estimate LPN Model (Table B)										
LICENSED PRACTICAL NURSE SUPPLY										
Variable	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Employment In Health Care in PA (A)	37,600	37,000	36,600	36,300	35,900	35,500	35,000	34,500	34,000	33,400
Unemployed Seeking Emp in HC in PA (B)	1,800	1,700	1,600	1,500	1,400	1,300	1,200	1,100	1,100	1,000
New Entries (C)	1,700	1,900	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000
Replacements (D) 1.35% to 3.09% + Career Develop.	2,300	2,300	2,300	2,400	2,400	2,500	2,500	2,500	2,600	2,600
NET SUPPLY = A+B+C-D	38,800	38,300	37,900	37,400	36,900	36,300	35,700	35,100	34,500	33,800
LICENSED PRACTICAL NURSE DEMAND (projected employment)										
Variable	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Employment In Health Care in PA (A)	37,600	38,000	38,400	38,800	39,200	39,600	40,000	40,400	40,800	41,200
Unfilled at 6.7 (B)	2,400	2,400	2,400	2,500	2,500	2,500	2,500	2,600	2,600	2,600
Growth (C)	400	400	400	400	400	400	400	400	400	400
NET DEMAND (ND) = A + B + C	40,400	40,800	41,200	41,700	42,100	42,500	42,900	43,400	43,800	44,200
SHORTAGE (NS – ND)	-1,600	-2,500	-3,300	-4,300	-5,200	-6,200	-7,200	-8,300	-9,300	-10,400
PROJECTED SHORTAGE	-4%	-6%	-8%	-10%	-12%	-15%	-17%	-19%	-21%	-24%

Notes:

-The shortage of LPNs is projected to be higher in 2010 when compared to the previous LPN Workforce Report (Summer 2005). This shortage is expected to increase steadily through 2016.

-If you compare this model to the one in the previous LPN Workforce Report, the slight decrease of new entries coupled with an increase of LPNs in career development programs, and an increase of growth openings increased the LPN shortage.

-For comparison, 2010 Employment (A) in the last model was 34,300 compared to 36,300 in this model. Overall, the 2010 Shortage was -2,800 in the last model compared to -4,300 in this model.

-The annual growth openings increased from 300 in the last model to 400 per year in this model.

-In this model, the vacancy rate was kept the same as the previous model. However, the historic percent of LPN's that passed the licensing exam, and the percent that will seek health care employment were updated in this model.

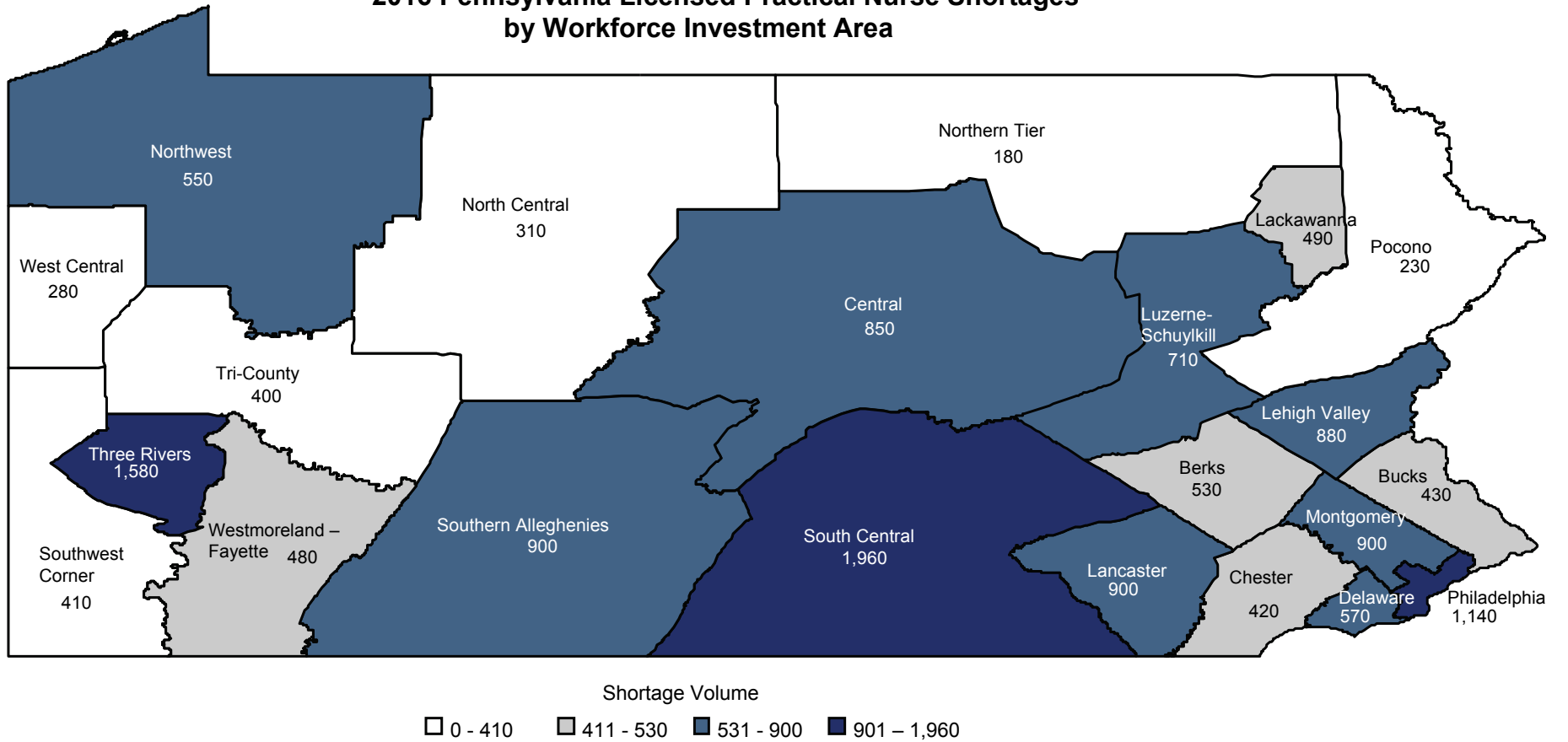
Licensed Practical Nurse Model Shortage Comparison

Health District	2010 Shortage Original	Pct.	2010 Shortage Updated	Pct.	Volume Change	2016 Shortage	Pct.
Northwest	-30	-1%	460	11%	490	1,110	25%
Southwest	650	9%	1,500	19%	850	3,320	40%
Northcentral	310	9%	390	11%	80	900	25%
Southcentral	870	12%	1,110	15%	240	2,500	33%
Northeast	880	16%	1,000	18%	120	2,200	38%
Southeast	1,420	12%	2,150	16%	730	5,070	35%
Total	4,100		6,600		2,500	15,100	

Workforce Investment Area	2010 Shortage Original	Pct.	2010 Shortage Updated	Pct.	Volume Change	2016 Shortage	Pct.
Berks	190	13%	250	17%	60	530	34%
Bucks	230	16%	140	11%	-90	430	31%
Central	250	8%	360	11%	110	850	26%
Chester	190	19%	190	17%	0	420	35%
Delaware	190	17%	230	17%	40	570	38%
Lackawanna	20	2%	220	17%	200	490	36%
Lancaster	520	20%	400	16%	-120	900	33%
Lehigh Valley	610	34%	440	24%	-170	880	45%
Luzerne and Schuylkill	40	2%	290	13%	250	710	30%
Montgomery	120	7%	390	19%	270	900	40%
Northcentral	-100	-9%	120	10%	220	310	24%
Northern Tier	110	17%	80	13%	-30	180	28%
Northwest	60	3%	240	11%	180	550	24%
Philadelphia	20	1%	490	16%	470	1,140	36%
Pocono Counties	140	18%	70	10%	-70	230	31%
South Central	840	15%	860	16%	20	1,960	33%
Southern Alleghenies	90	4%	400	16%	310	900	35%
Southwest Corner	70	7%	160	16%	90	410	38%
Three Rivers	430	15%	770	24%	340	1,580	45%
Tri-County	30	3%	160	15%	130	400	35%
West Central	10	1%	110	12%	100	280	29%
Westmoreland and Fayette	70	6%	210	18%	140	480	38%
Total	4,100		6,600		2,500	15,100	

Note: Negative number denotes surplus

2016 Pennsylvania Licensed Practical Nurse Shortages by Workforce Investment Area



2016 Pennsylvania Licensed Practical Nurse Shortages by Health Districts

