

Wyoming Nurses: Demand and Retention

Presentation to Wyoming Medical Center Casper, Wyoming June 17, 2008

Research & Planning Wyoming Department of Employment Tom Gallagher, Manager

About Research & Planning, Wyoming Department of Employment

- Our Organization: R&P is a separate, exclusively statistical entity.
- What We Do: R&P collects, analyzes, and publishes timely and accurate labor market information (LMI) meeting established statistical standards.
- Our Customers: LMI makes the labor market more efficient by providing the public and the public's representatives with the basis for informed decision making.

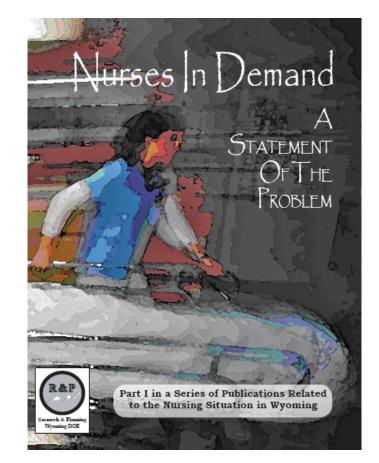
Introduction

- Demand concern about the boom generation of nurses retiring and the inability of the supply system to replace them and keep up with growing demand
- Current Wyoming Study
 - □ Longitudinal administrative records
 - □ Cross-sectional survey
- How do we know it is the workplace?
- Selected workplace characteristics amenable to management
- Where nurses come from and where they go
- How earnings change upon job change
- The current deficit

Nursing Demand Report

Concern about:

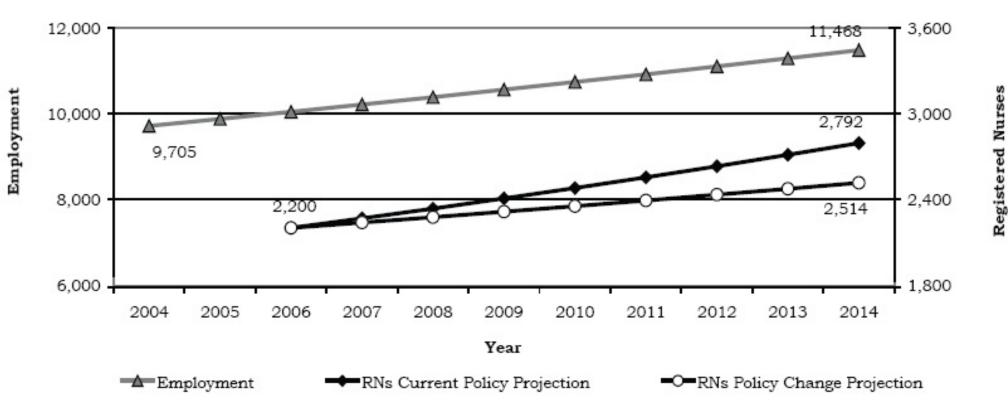
- The boom generation of nurses retiring
- The inability of the supply system to replace them and keep up with growing demand



Published March 2008

http://doe.state.wy.us/LMI/nursing_demand_08.pdf

Projections of Registered Nurses Working in Wyoming Hospitals, 2004-2014 (excludes vacancies or replacement need)



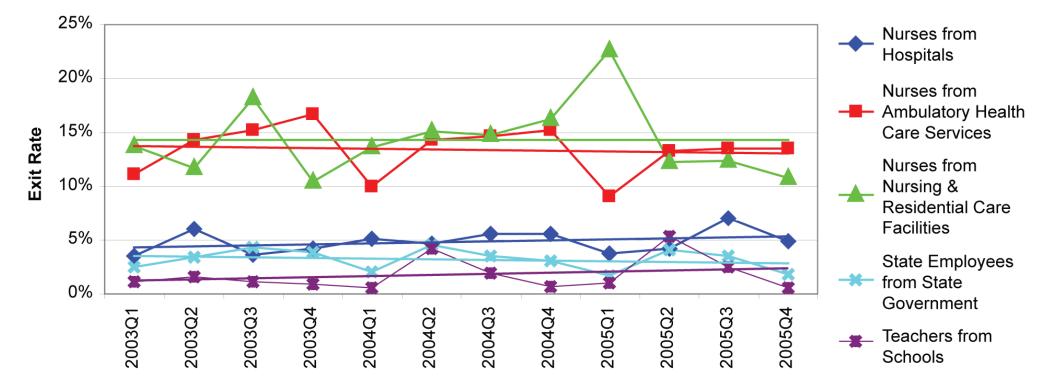
Source: RN data from Wyoming State Board of Nursing license files; Employment data from Quarterly Census of Employment and Wages.

Administrative Records Research Strategy: Linked Data

Quarterly Census of Employment and Wages Unemployment Insurance employer account number Employee pay and social security number Board of Nursing records Social security numbers for APNs, RNs, LPNs, and CNAs Survey (census) of Wyoming nurses working in health care, June-July 2007 Qualitative analysis

How Do We Know it Is the Workplace?

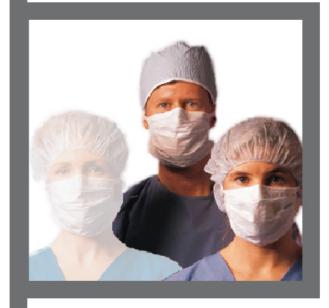
Exit Rates and Linear Trend for Female Nurses, State Employees, and Teachers in Wyoming, First Quarter 2003 (2003Q1) to Fourth Quarter 2005 (2005Q4)



Restricted to nurse exits from Hospitals (North American Industry Classification System – NAICS 622), nurse exits from ambulatory health care (NAICS 621), nurse exits from nursing & residential care facilities (NAICS 623), state employee exits from State Government (State Gov. Ownership), and teacher exits from schools (NAICS 611110). Nurses are registered RNs as per the Wyoming State Board of Nursing. Teachers are designated with a job category of "Teacher" in the Wyoming Department of Education's education staff file. Wyoming state employees included here have an associated Bureau of Labor Statistics educational and experience category of associate's degree or higher.

Coming Soon: Nursing Retention Report

RETENTION OF NURSES IN WYOMING



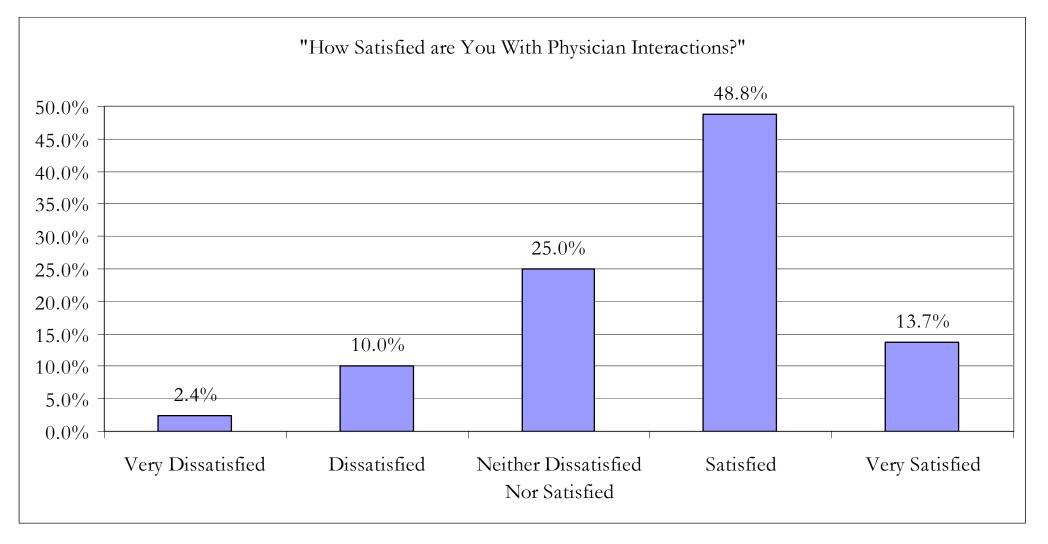
Wyoming Department of Employment

Part II in a Series of Publications Related to the Nursing Situation in Wyoming

July 2008

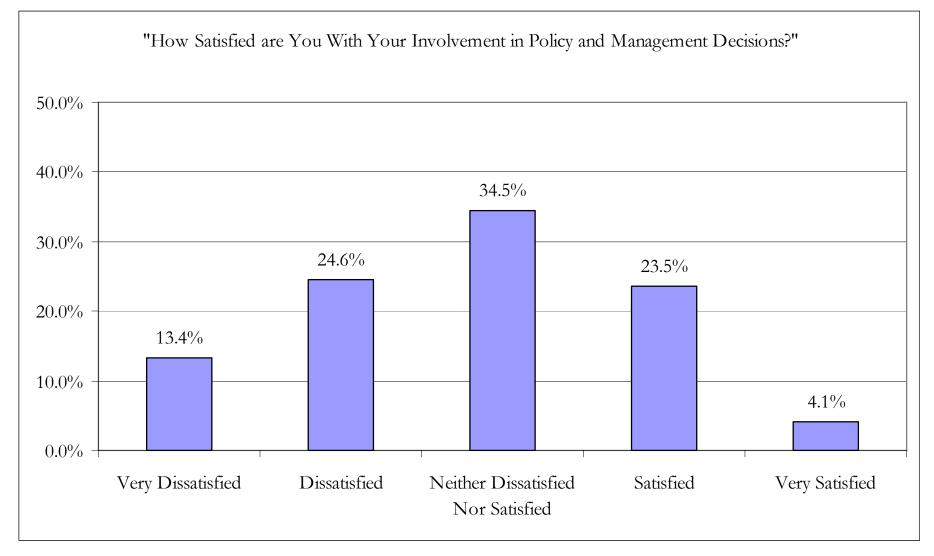
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Survey Response from Direct Patient Care Nurses in Hospitals and Long-Term Care



Nurses who responded = 1,976

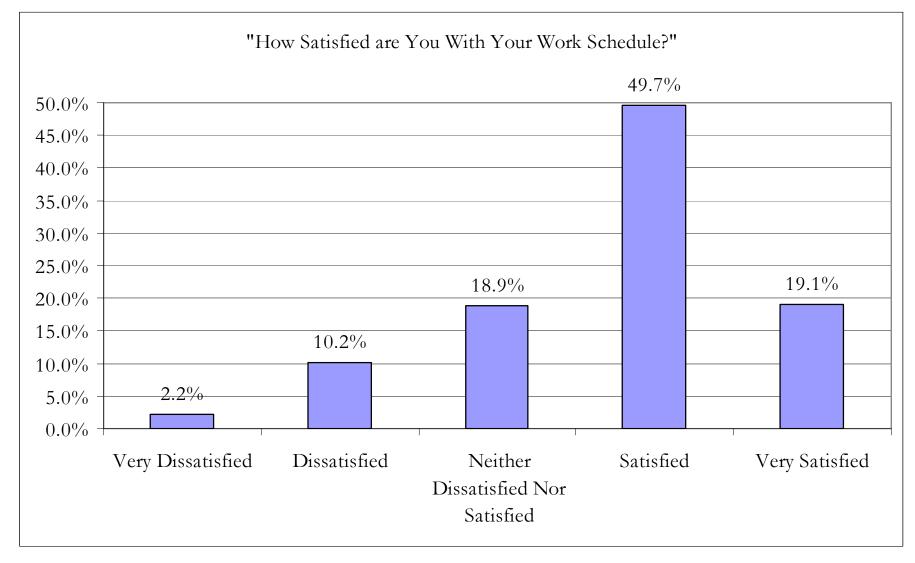
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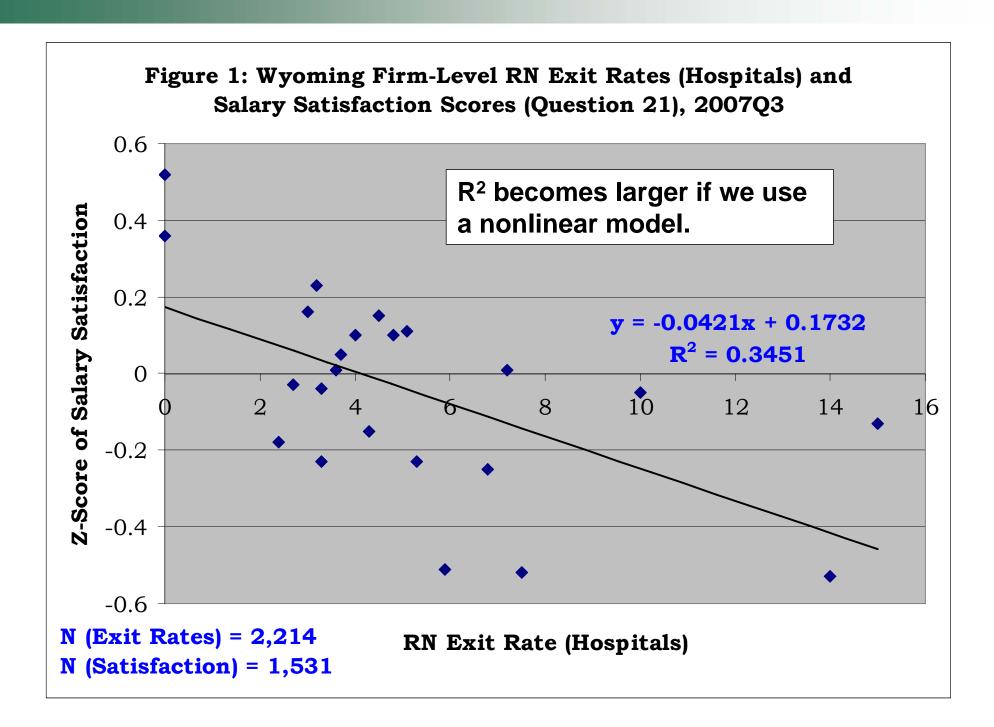
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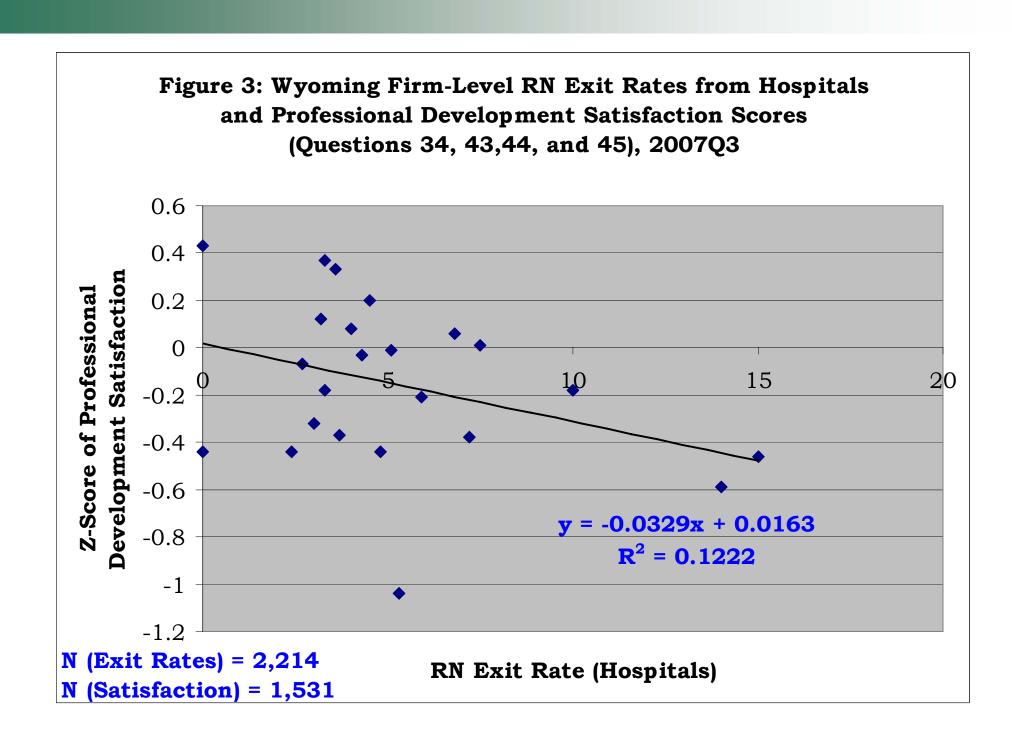


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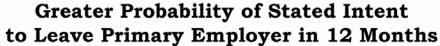
Comments from Direct Patient Care Nurses in Hospitals and Long-Term Care

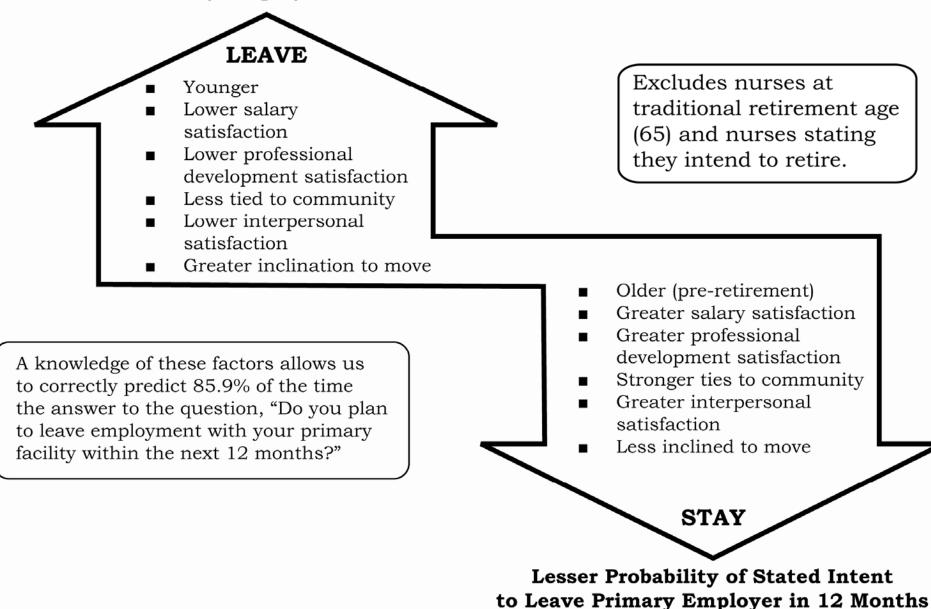
North American Industry Classification System Title and Code	Age	Comments
Hospitals 622	38	I am a nurse and can go anywhere. Only staying now because of 2 kids. When they are grown, we will travel.
Hospitals 622	56	Will leave when sons graduate high school.
Hospitals 622	36	Cannot leave until children graduate high school because of joint custody agreement.
Hospitals 622	57	I have multiple job opportunities. I stay here til my son graduates from high school, then I leave.
Hospitals 622	56	Don't want to move until my children are out of school.
Hospitals 622	52	After one more year of high school, my son will leave for college and there will not be anyone dependent at home.



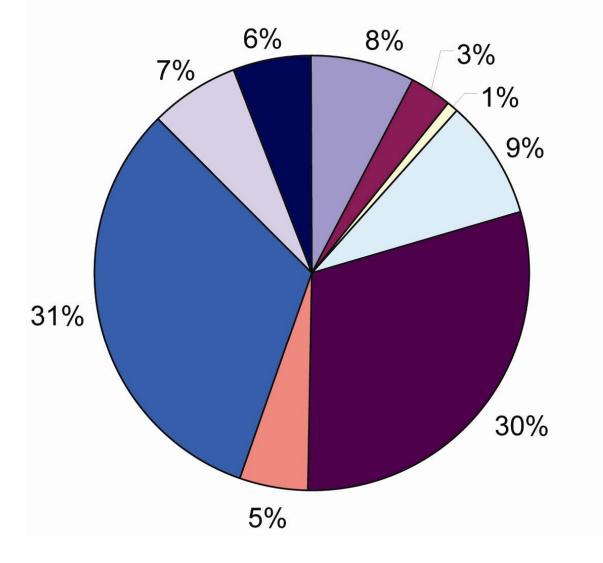


	Professional Development	Not Satisfi	ed		Sa	tisfied	1
34.	Opportunities for advancement	1	2	3	4	5	NA
43.	Opportunities to use your skills	1	2	3	4	5	NA
44.	Opportunities to learn new skills	1	2	3	4	5	NA
45.	Opportunities for continuing education	1	2	3	4	5	NA
	Interpersonal						
24.	Skill of RNs where you work	1	2	3	4	5	NA
30. Level of personal safety at the facility where you work	Level of personal safety at the facility where you work	1	2	3	4	5	NA
31.	Work schedule	1	2	3	4	5	NA
33.	Job security	1	2	3	4	5	NA
35.	Support from nurses with whom you work	1	2	3	4	5	NA
36.	Support from your nursing administration	1	2	3	4	5	NA
37.	Interactions with physicians	1	2	3	4	5	NA
38.	Interactions with other non-nursing staff	1	2	3	4	5	NA
40.	Interaction with patients	1	2	3	4	5	NA
42.	Involvement in policy and management decisions	1	2	3	4	5	NA
46.	Quality of patient care where you work	1	2	3	4	5	NA
47.	Feeling that your work is important	1	2	3	4	5	NA
	Compensation						
21.	Your current base salary	1	2	3	4	5	NA
22.	Salary range for your position	1	2	3	4	5	NA
23.	Employee benefits	1	2	3	4	5	NA

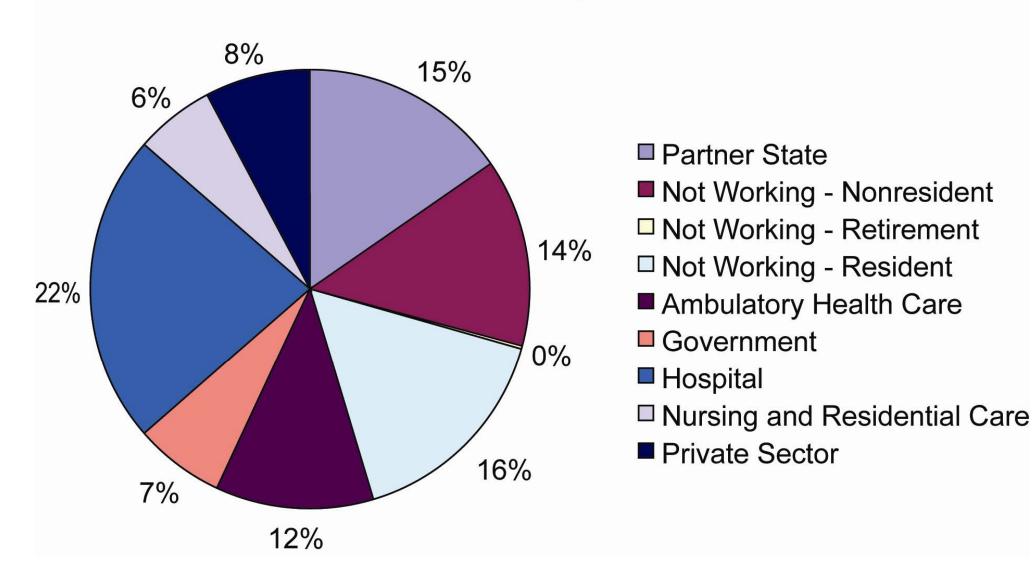




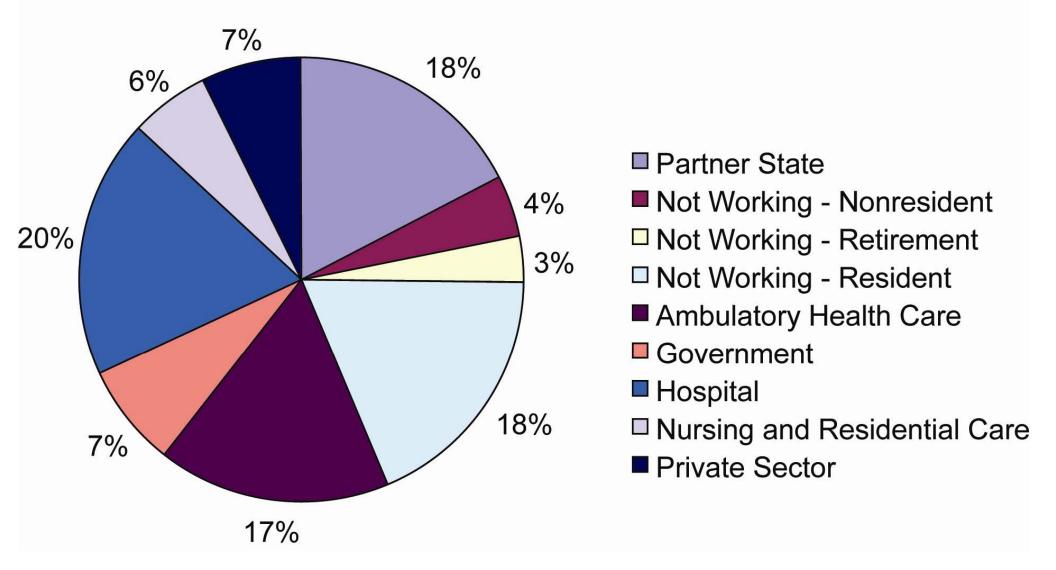
Source of Nurse Hires into Ambulatory Health Care Services, 2004Q4-2006Q3



- Partner State
- Not Working Nonresident
- □ Not Working Retirement
- □ Not Working Resident
- Ambulatory Health Care
- Government
- Hospital
- □ Nursing and Residential Care
- Private Sector



Source of Nurse Hires into Hospitals, 2004Q4-2006Q3



Destination of Nurse Exits from Hospitals, 2003Q3-2005Q2

Percentage Change in Average Quarterly Earnings for Health Care Nurse Hires by Industry Subsector Source and Age, 2006

Subsector Source	<35	35-44	45-54	55+
Ambulatory Care Facilities	22.7%	32.0%	12.5%	-8.5%
Hospitals	-8.0%	-32.5%	-51.8%	NA
Nursing and Residential Care Facilities	NA	NA	-54.0%	NA
	Hires: Hospitals			
Subsector Source	<35	35-44	45-54	55+
Ambulatory Care Facilities	65.6%	38.7%	9.1%	NA
Hospitals	-8.8%	5.5%	2.8%	-16.0%
	70.1%	23.5%	NA	NA

Hires: Ambulatory Health Care Facilities

Subsector Source	<35	35-44	45-54	55+
Ambulatory Care Facilities	NA	NA	NA	NA
Hospitals	-29.0%	-38.7%	-16.5%	NA
Nursing and Residential Care Facilities	NA	-49.7%	NA	NA

Note: Wages restricted to continuous employment transactions. Prior and subsequent quarterly wages were Consumer Price Index (not seasonally adjusted, U.S. city averages, all items) adjusted to 2006 dollars.

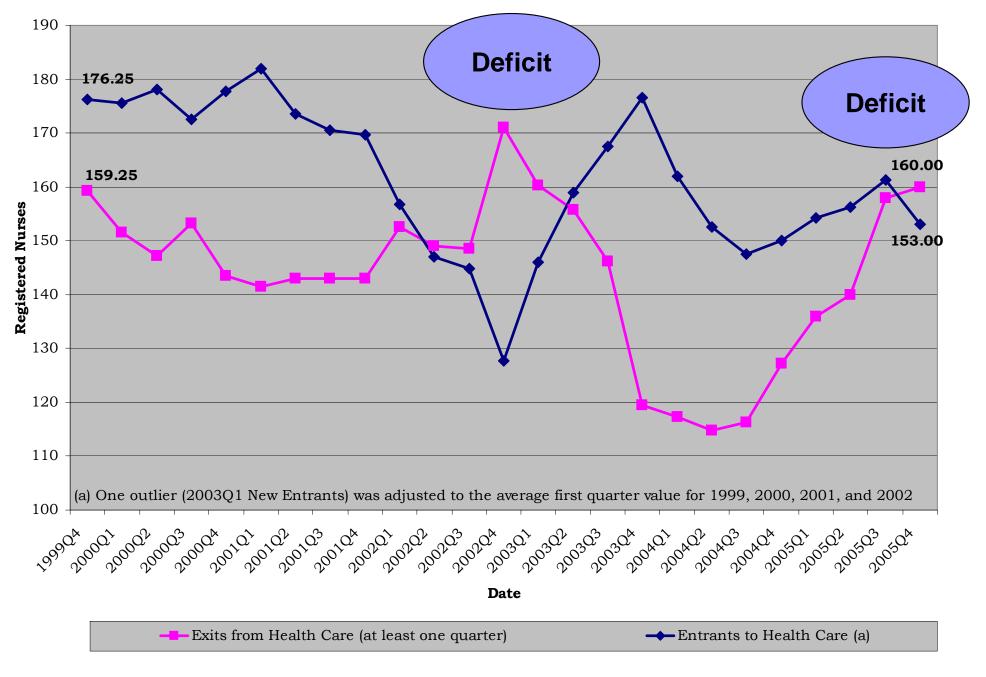


Figure 1: Comparison of Entrants to and Exits from Health Care (4 Quarter Moving Average)

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For More Information



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