

Health Care Personnel Shortage Task Force Annual Report

Attachment

Health Professions Education in Washington Completions 2005-2012



October 2013

Workforce Training and Education Coordinating Board

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www.wtb.wa.gov

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INTRODUCTION

This report documents how many students completed postsecondary health career education programs in Washington. Each page summarizes completions for one of 36 selected health education programs. The term “completion” as used in this report encompasses graduation from degree programs as well as completion of a course of study leading to a non-degreed credential. This report covers the periods from 2004-05 through 2011-12. Trend data include absolute numbers of program completions by gender, population-adjusted completion rates, and completions by race/ethnicity. Throughout the report, each academic year, beginning in July and ending in June, is referred to by the calendar year in which the academic year ended.

DATA SOURCES

Data for this report come from the Integrated Postsecondary Education Data system (IPEDS) of the National Center for Education Statistics for 2005 through 2012. IPEDS is a systematic survey of educational organizations whose primary purpose is to provide postsecondary education. IPEDS does not collect data from organizations that are not primarily educational in nature; for example, hospitals that offer nursing diploma programs. For this reason, the numbers of health career program completers may be underestimated for some professions, such as nurse aides. More information about IPEDS at <http://nces.ed.gov/ipeds/>.

Some organizations did not report, or under-reported, data to IPEDS in prior years. In instances where this was known, data was obtained from the Washington State Board for Community and Technical Colleges (SBCTC) to provide a more accurate picture of completions in these health care programs.

State population data are from the US Census Bureau for 2009 through 2011.

Gender data comes from IPEDS.

IPEDS also categorize completers by race and ethnicity into one of the following racial/ethnic designations:

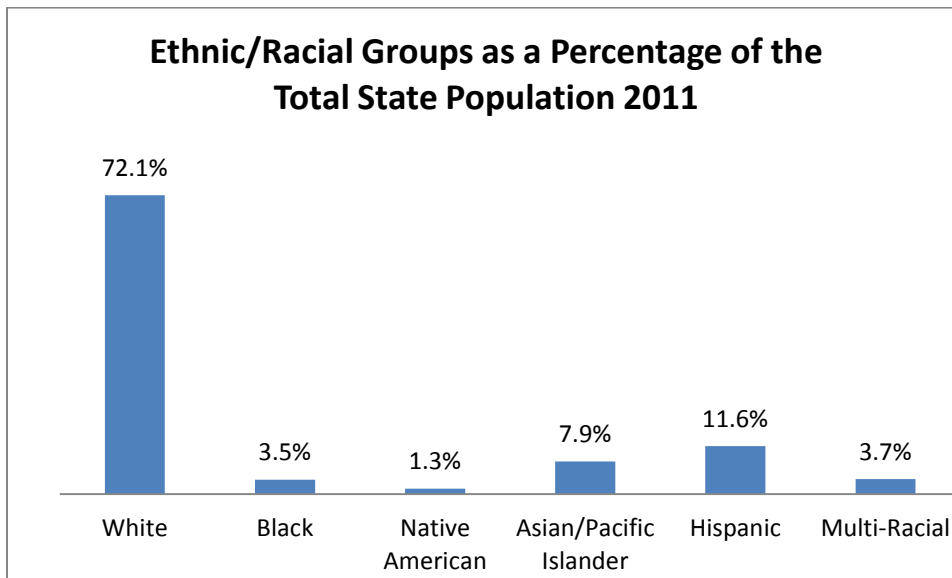
- White, non-Hispanic
- Hispanic or Latino
- Black, non-Hispanic
- Asian
- Pacific Islander
- American Indian or Alaskan Native
- Nonresident alien
- Unknown

For the purpose of charting data the ethnic groups are designated as white, Black, Hispanic, Asian or Pacific Islander and American Indian. Some racial/ethnic data were missing from the data sets. Completions in this report by race and ethnicity are based on percentages for those

completers in which race and ethnicity were known (excluding from the denominator those completers whose racial/ethnic data were missing or non-resident aliens).

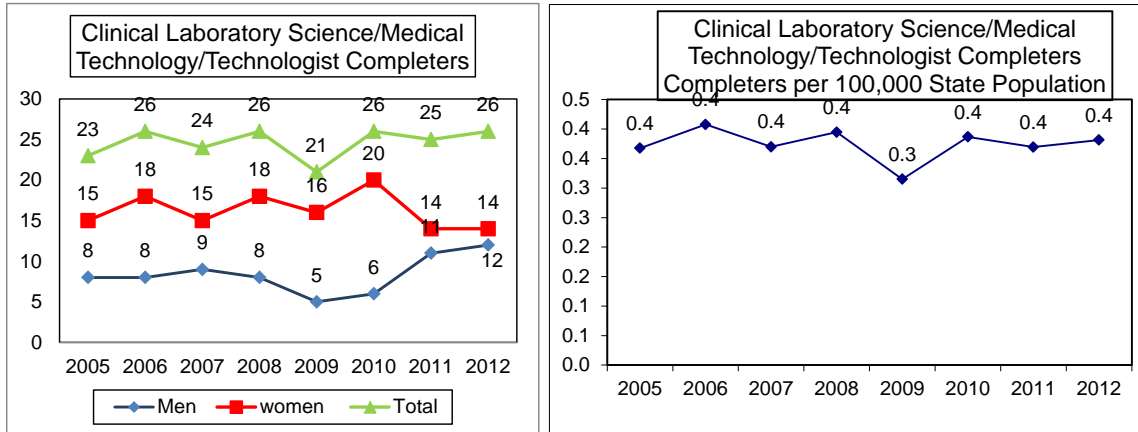
Limitations of the Data

The data in this report are subject to the following conditions. IPEDS attempts to conduct a complete census of all postsecondary educational organizations. Coverage is thought to be high, with response rates above 90 percent. Yearly verification is performed using accreditation lists, but it is not known how many institutions are missing. Although IPEDS imputes for non-responses, the extent of the undercount for missing institutions, non-responses, and specific health occupations where training is available outside of education institutions is unknown.



US Census Bureau

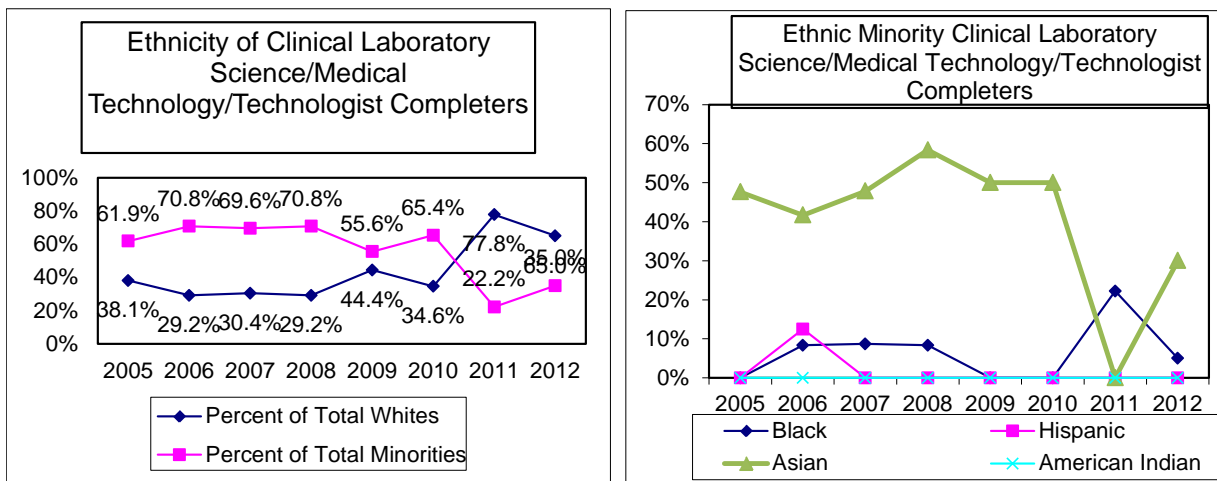
Clinical Laboratory Science/Medical Technology/Technologist (CIP 51.1005)



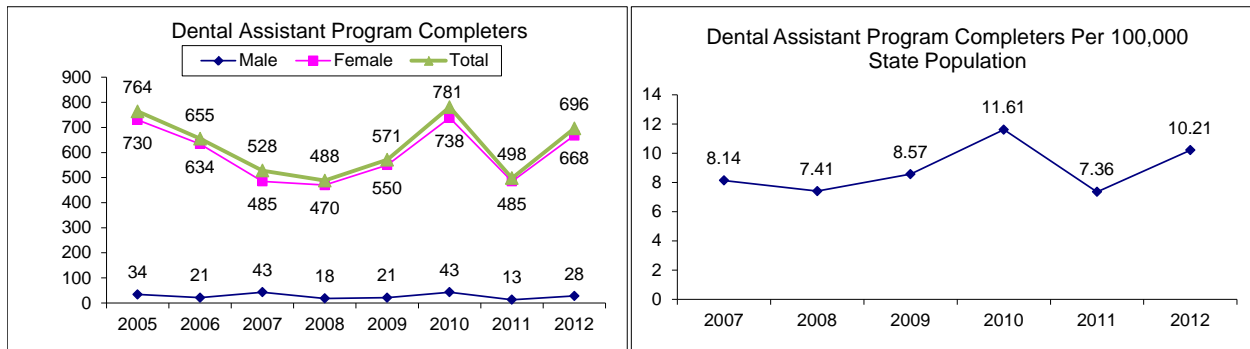
- Two educational institutions offered Clinical Laboratory Science/Medical Technology/Technologist programs in 2012 the same as in 2011
- There is one type of Clinical Laboratory Science/Medical Technology/Technologist program offered in Washington. The number of program completions from 2005-2012 are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Baccalaureate	23	26	24	26	21	26	25	26

- Total annual program completions increased by 13 percent between 2005 and 2012 and 4 percent from 2011. With the number of completions per year being low, a small variance in any one year can give a false impression of the significance of the percent of change.
- Completions per 100,000 population increased by 4 percent from 2005 to 2012.
- 54 percent of program completers were female in 2012 compared to 72.4 percent in 2005.



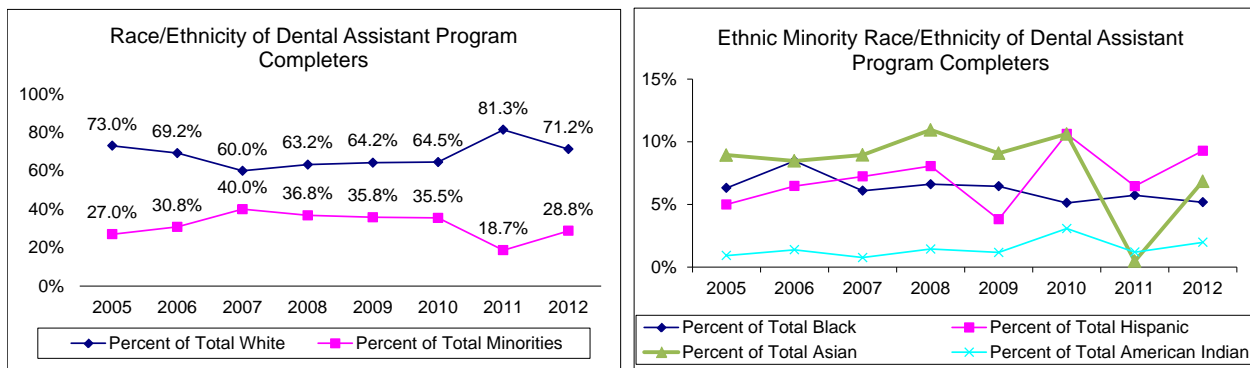
Dental Assistant (CIP 51.0601)



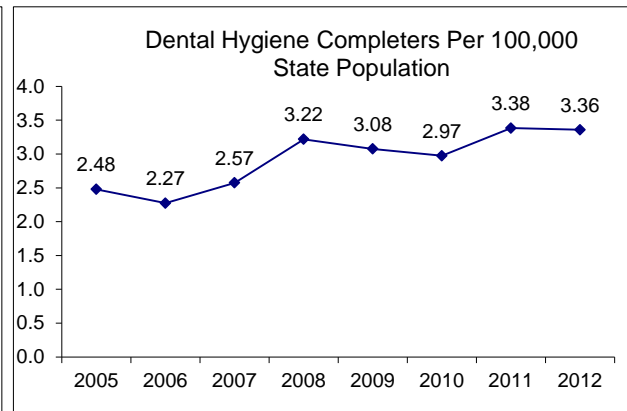
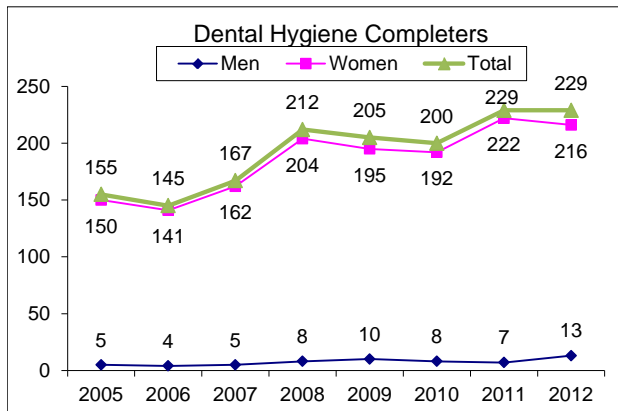
- Seventeen educational institutions offered Dental Assistant programs in 2012.
- The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	716	586	478	422	489	645	353	561
Associate	36	56	47	52	82	136	145	135
2 to 4 years	12	13	3	14	0	0	0	0

- Total annual program completions decreased by 9 percent between 2005 and 2012 but increased by 40 percent from 2011.
- Completions per 100,000 population decreased by 16 percent from 2005 to 2012.
- 96 percent of program completers were female in 2012 percent which is about the same as in 2005.



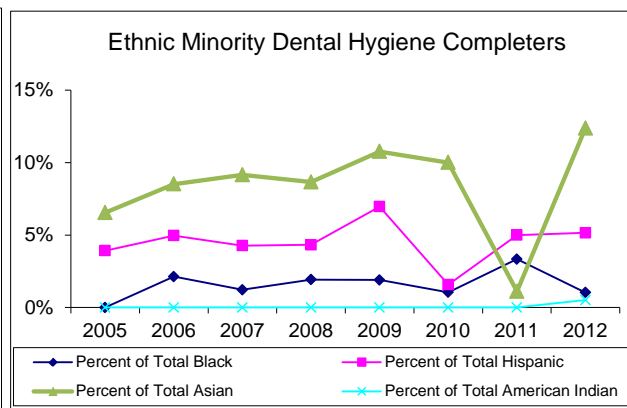
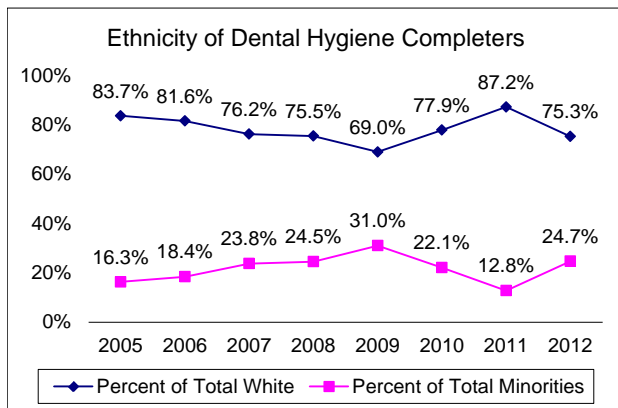
Dental Hygiene (CIP51.0602)



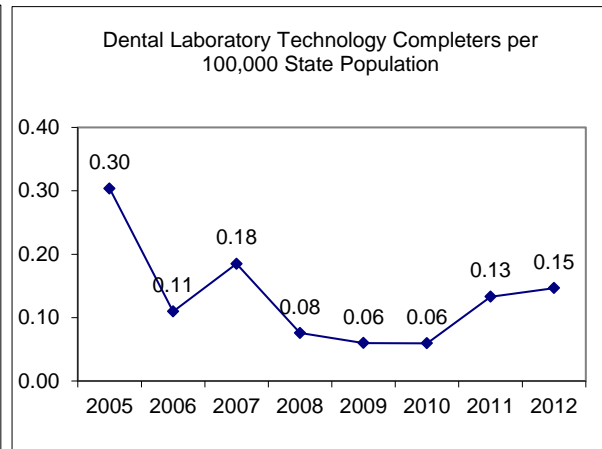
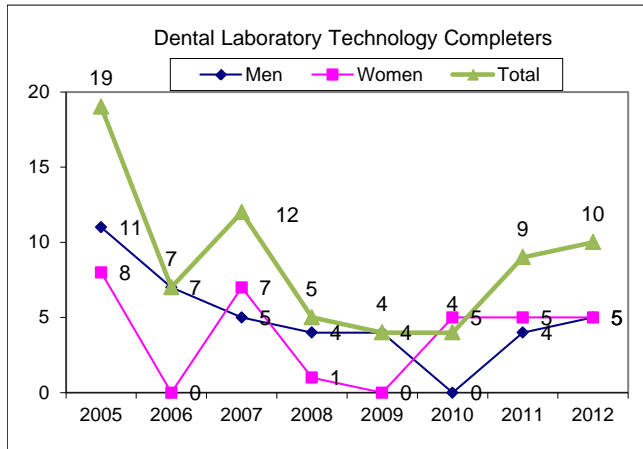
- Ten educational institutions offered Dental Hygiene programs in 2012.
- The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Associate	98	95	109	146	152	148	146	150
Baccalaureate	57	50	58	66	53	52	81	77
Master's							2	2

- Total annual program completions increased by 48 percent between 2005 and 2012.
- Completions per 100,000 population increased by 36 percent from 2005 to 2012.
- 94 percent of program completers were female in 2012 compared to 97 percent in 2005.



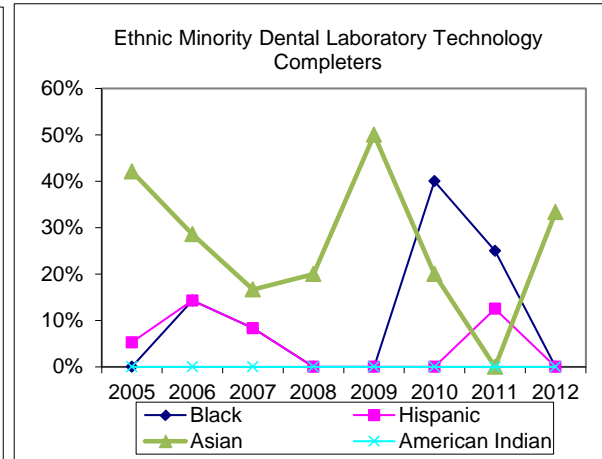
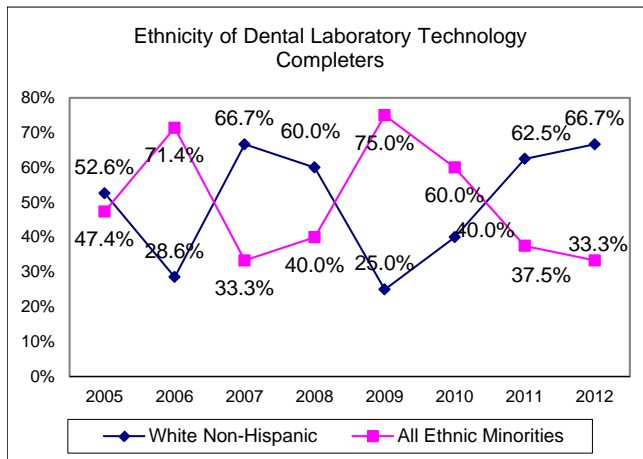
Dental Laboratory Technology/Technician Program Completers (CIP 51.0603)



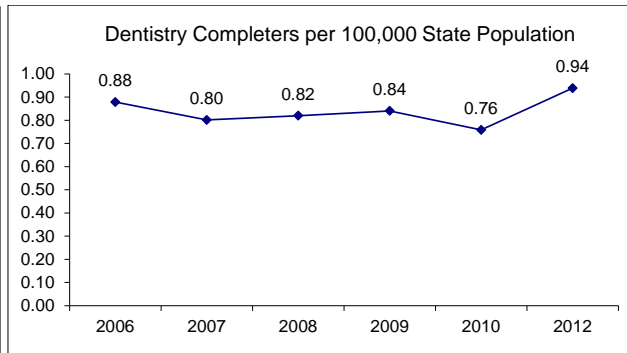
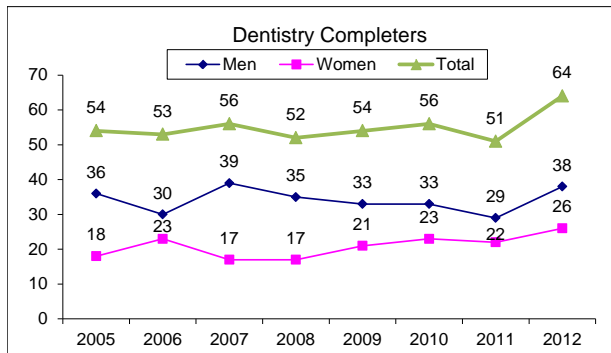
- One technical college offered a Dental Laboratory Technology/Technician program in 2012.
- The number of program completion credentials from 2005-2012 are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	4	1	3	1	1	2	7	4
Associate	6	3	3	3	3	3	2	6
2 to 4 years	9	3	6	1	0	0	0	0

- Total annual program completions decreased by 47 percent from 2005 to 2012, however with the number of completions per year being low, a small variance in any one year can give a false impression of the significance of the percent of change.
- The number of completers increased by 11 percent from 2011 (increase of one).
- Completions per 100,000 population decreased by 52 percent from 2005 to 2012.
- 50 Percent of program completers were female in 2012 compared to 42 percent in 2005.



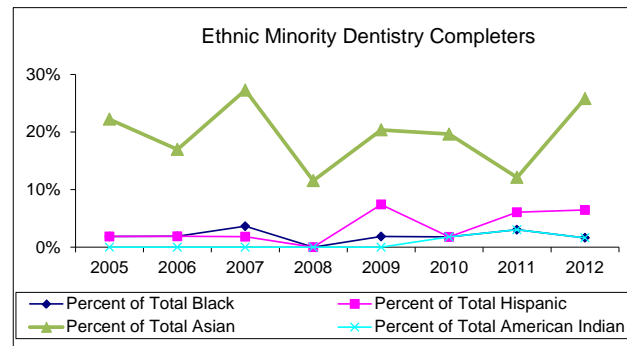
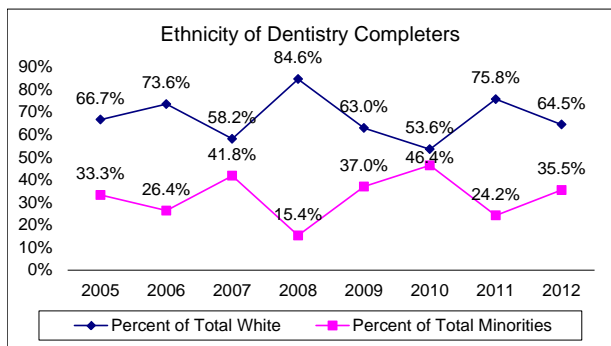
Dentistry (CIP 51.0401)



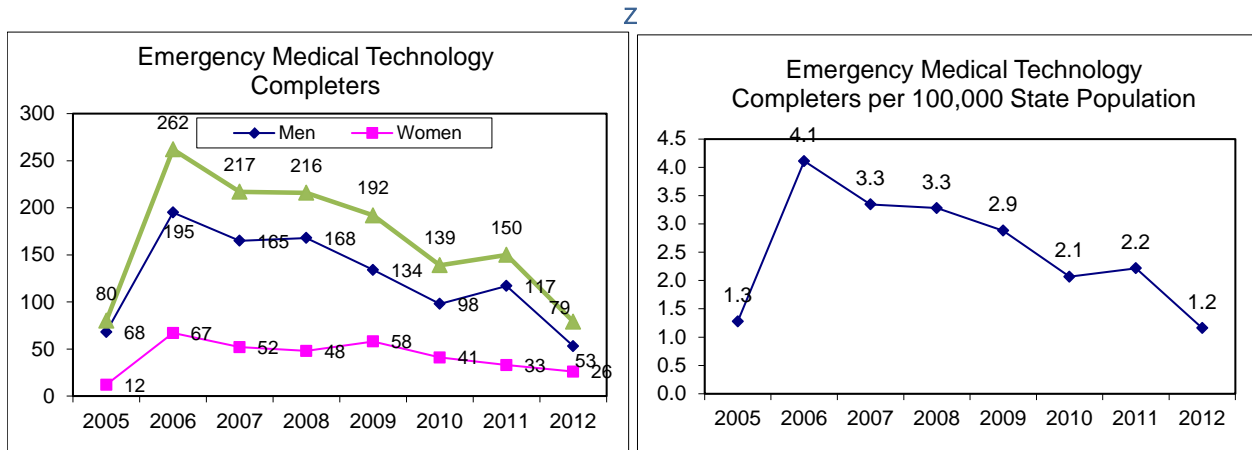
- One university offered a Dentistry program in 2012.
- The number of program completions from 2005-2012 are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Professional Degree	54	53	56	52	54	56	51	64

- Total annual program completions increased by 19 percent between 2005 and 2012.
- Completions per 100,000 population increased by 7 percent from 2005 to 2012.
- 41 percent of program completers were female in 2012 compared to 33 percent in 2005.



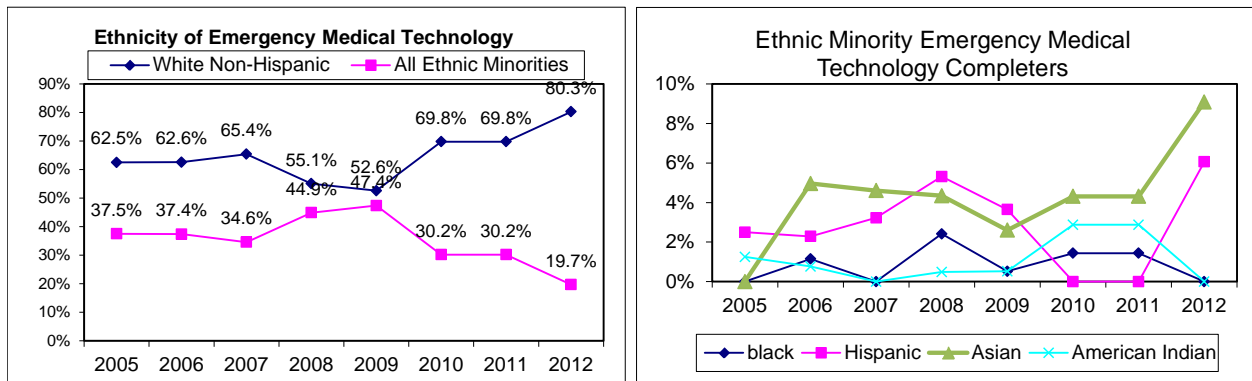
Emergency Medical Technology/Technician Program Completers (CIP51.0904)



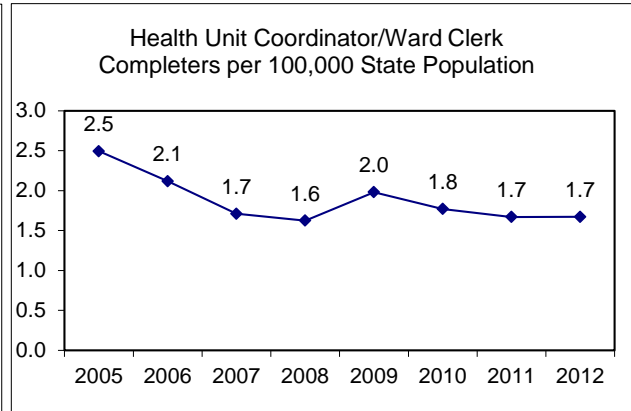
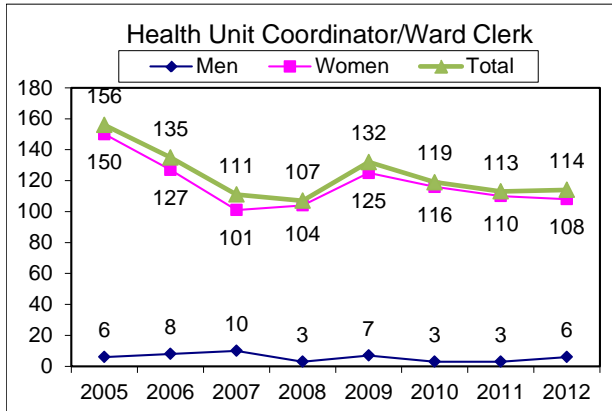
- Five educational institutions offered Emergency Medical Technology programs in 2012.
- There are three types of Emergency Medical Technology/Technician Program credentials in Washington. The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	63	246	194	197	172	123	128	55
Associate	9	10	9	8	7	6	13	13
Baccalaureate	8	6	14	11	13	10	9	11

- Total annual program completions decreased by 1.3 percent from 2005 to 2012 and 47 percent from 2011.
- Completions per 100,000 population decreased by 9 percent from 2005.
- 33 percent of program completers were female in 2012 compared to 15 percent in 2005.



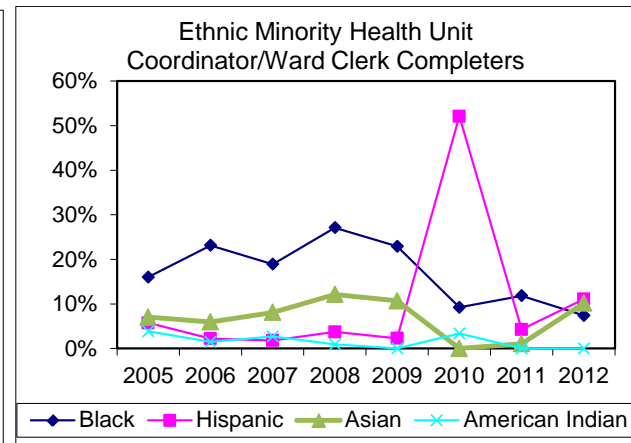
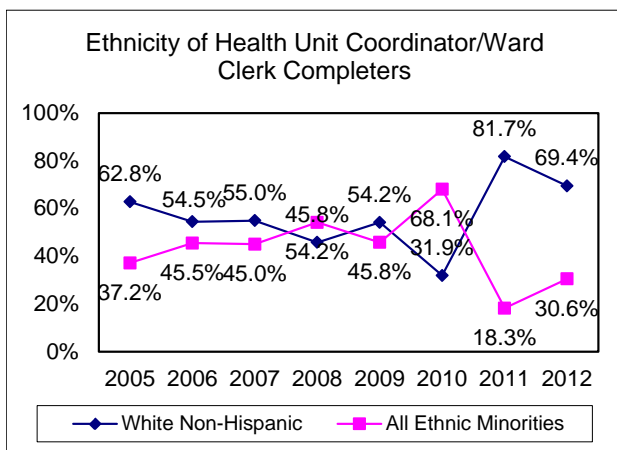
Health Unit Coordinator/Ward Clerk Program Completers (CIP 51.0703)



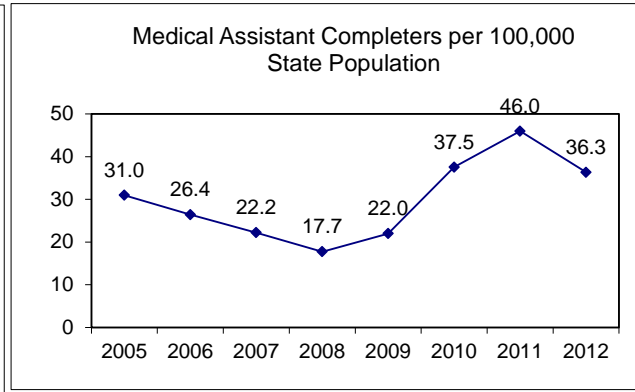
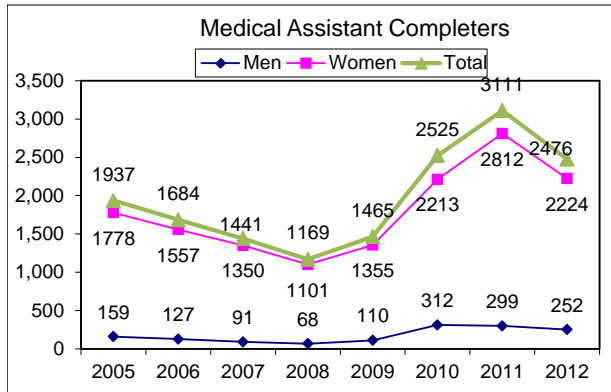
- Five educational institutions offered Health Unit Coordinator/Ward Clerk programs in 2012, down by two from 2011.
- There are two types of Health Unit Coordinator/Ward Clerk Program credentials in Washington. The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	148	135	110	106	129	114	112	113
Associate	8	0	1	1	3	5	1	1

- Total annual program completions decreased by 27 percent from 2005 to 2012.
- Completions per 100,000 population decrease by 33 percent over the same time period, nearly the same as in 2011.
- 95 percent of program completers were female in 2012 compared to 96 percent in 2005.



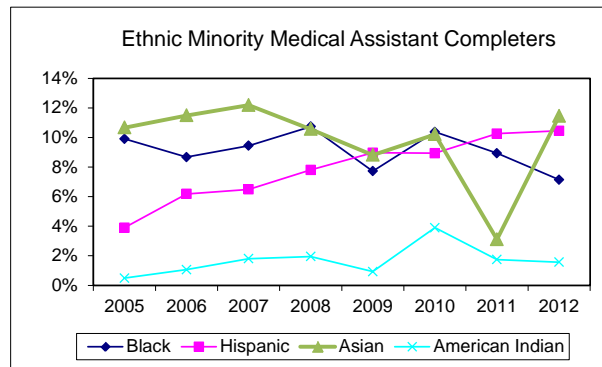
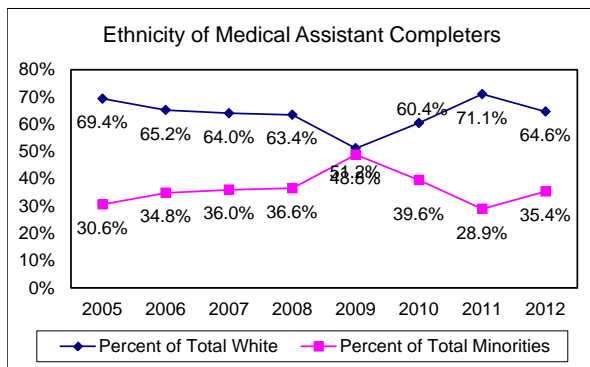
Medical/Clinical Assistant (CIP 51.0801)



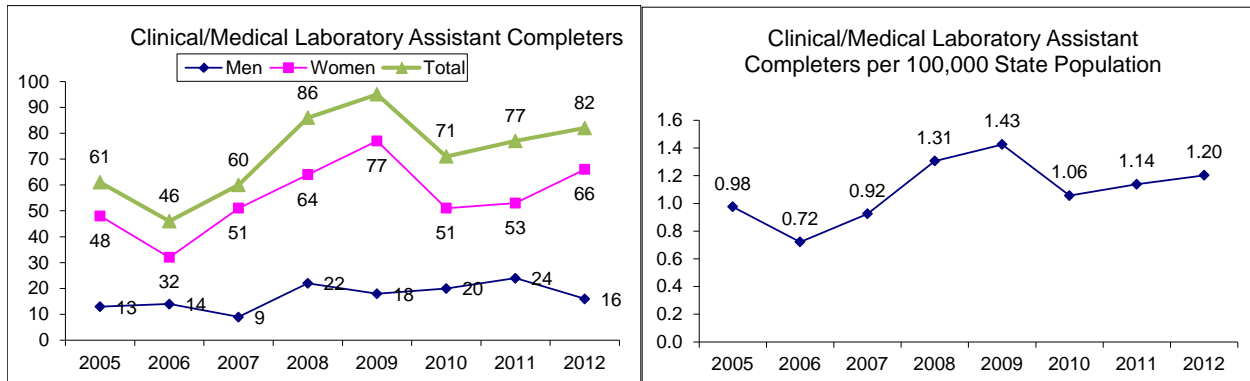
- Thirty-three educational institutions offered Medical/Clinical Assistant programs in 2012.
- There have been three types of Medical/Clinical Assistant Program credentials in Washington but only two as of 2009. The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	1690	1422	1228	968	1244	2076	2599	2094
Associate	155	174	149	157	141	207	312	382
2 to 4 years	4	9	12	3	0	0	0	0

- Total annual program completions increased by 34 percent between 2005 and 2012, and decreased by 15 percent from 2011.
- Completions per 100,000 population increased by 17 percent between 2005 and 2012.
- 90 percent of program completers were female in 2012.



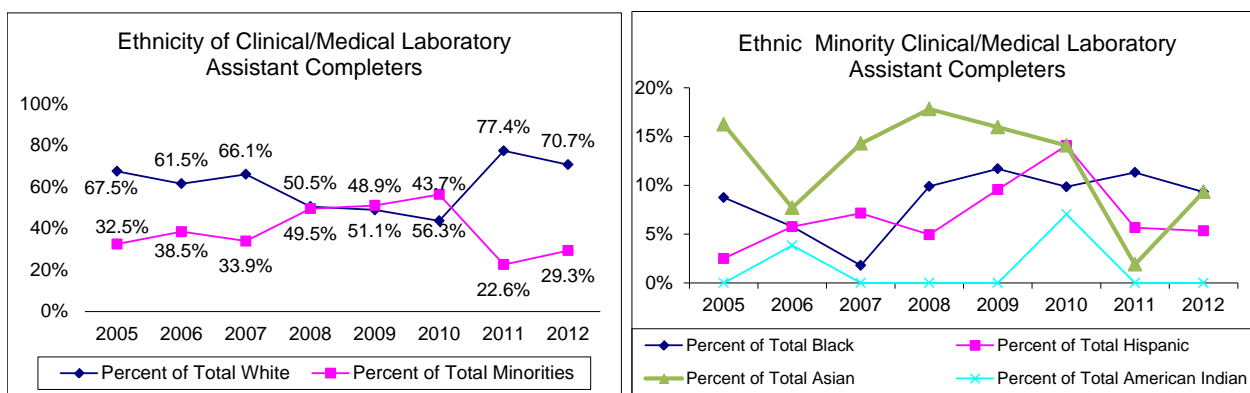
Medical/Clinical Laboratory Assistant (CIP 51.0802)



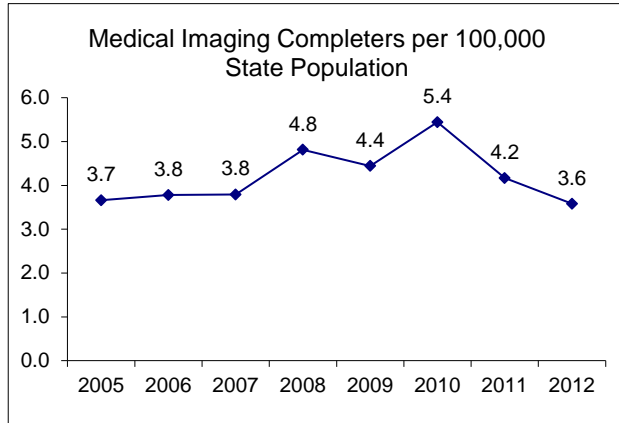
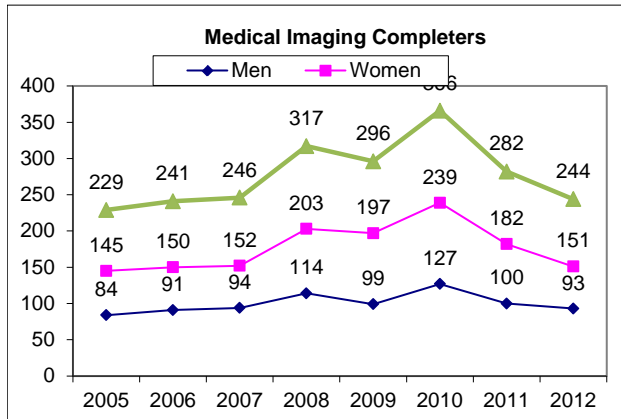
- Five educational institutions offered Clinical/Medical Laboratory assistant programs in 2012, down from six in 2011.
- There are two types of Medical/Clinical Laboratory Assistant Program credentials in Washington. The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	37	16	17	50	56	39	49	43
Associate	24	30	43	36	39	32	28	39

- Total annual program completions increased by 34 percent between 2005 and 2012 and by 6.5 percent from 2011.
- Completions per 100,000 population increased by 67 percent over the same time period.
- 80.5 percent of program completers were female in 2012 compared to 41 percent in 2005.



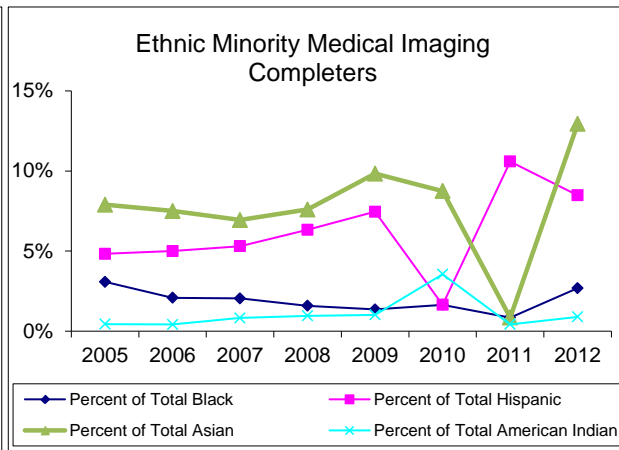
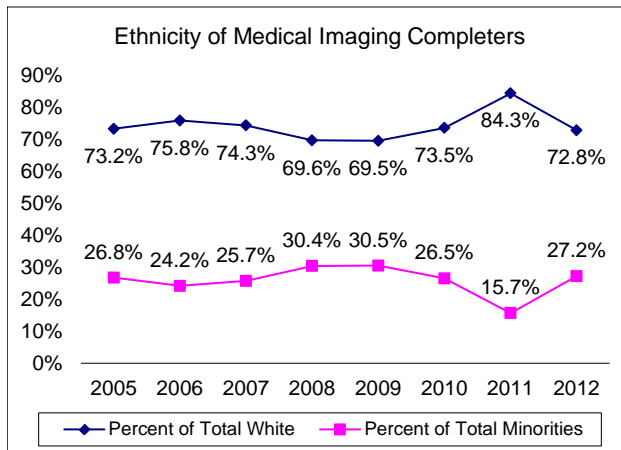
Medical Imaging (Radiology) (CIPs 51.0905, 0907 and 0911)



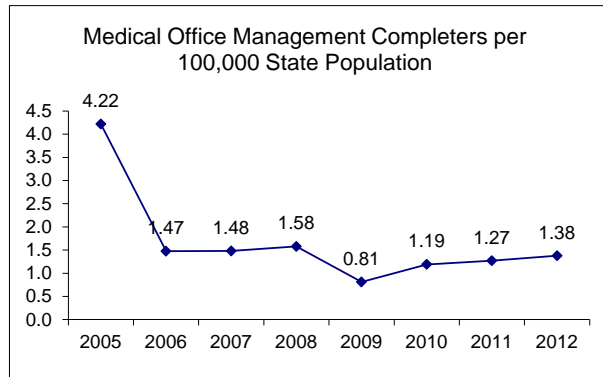
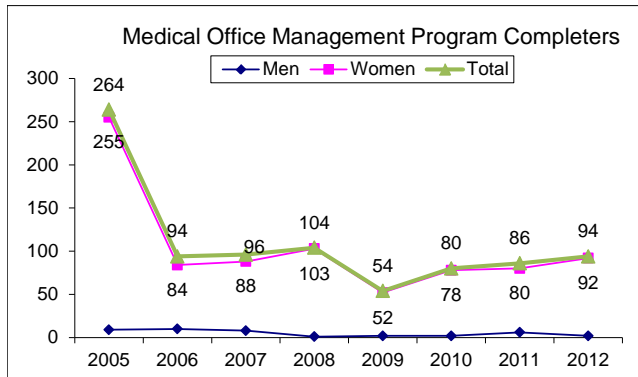
- Ten educational institutions offered Medical Imaging (Radiology) programs in 2012. The programs include: Nuclear Medical Technology/Technologist; Medical Radiologic Technology/Science - Radiation Therapist;; and Radiologic Technology/Science - Radiographer.
- The number of program completion credentials from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	8	14	13	12	11	45	63	9
Associate	206	209	207	285	265	305	219	235
Baccalaureate	15	18	23	20	20	16	0	0

- Total annual program completions increased by 7 percent between 2005 and 2012, but down by 33 percent in 2011.
- Completions per 100,000 population decreased by 2 percent over the same time period.
- 70 percent of program completers were female in 2012 compared to 63 percent in 2005.



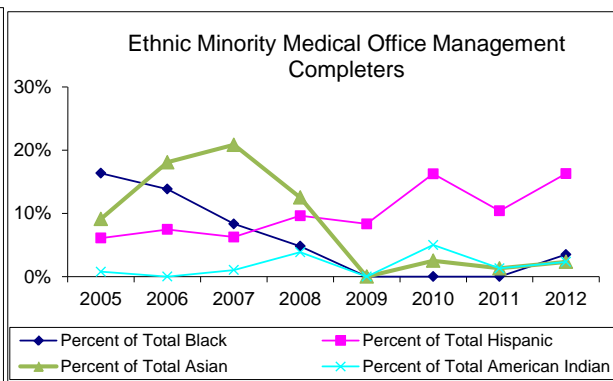
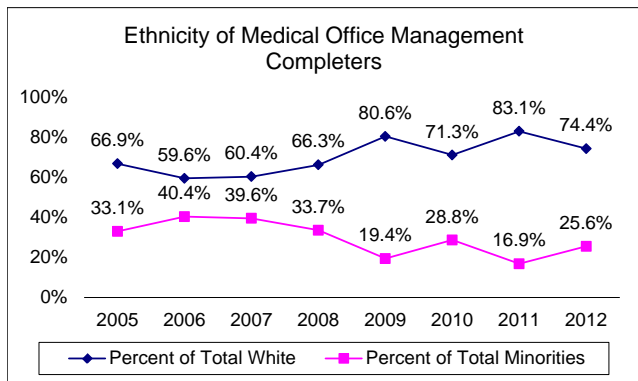
Medical Office Management Administration (CIP 51.0705)



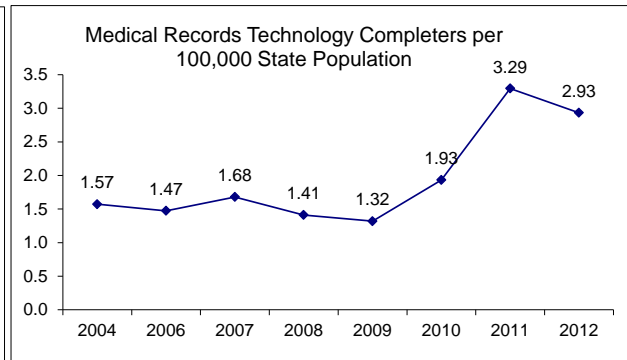
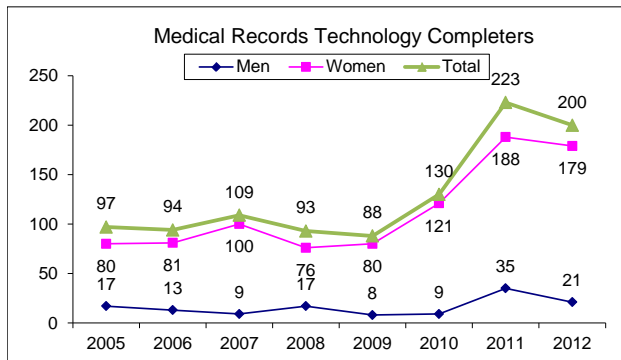
- Six educational institutions offered Medical/Clinical Assistant programs in 2012.
- There are two types of Medical Office Management Administration Program credentials in Washington. The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	259	93	95	98	52	71	78	85
Associate	5	1	1	6	2	9	8	9

- Total annual program completions decreased by 64 percent between 2005 and 2012; however the largest drop occurred between 2005 and 2006. The number has been relatively consistent since 2006.
- Completions per 100,000 population decreased by 67 percent from 2005 to 2012.
- 98 percent of program completers were female in 2012 compared to 97 percent in 2005.



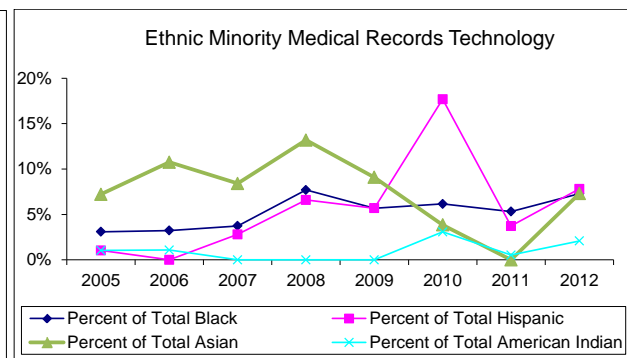
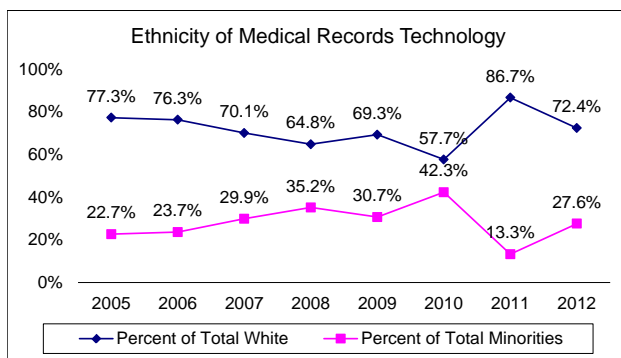
Medical Records Technology/Technician (CIP 51.0707)



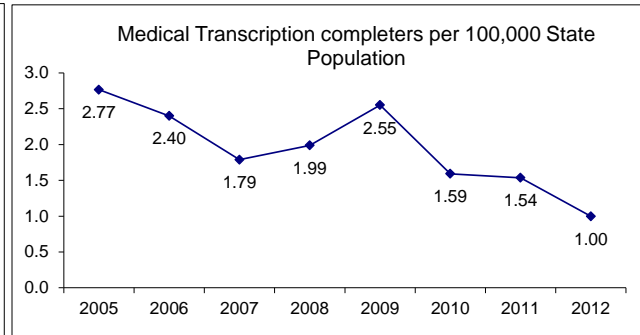
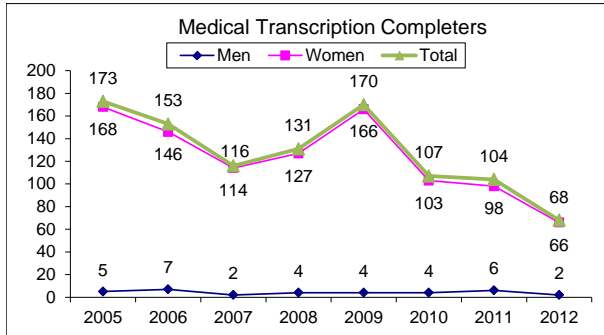
- Nine educational institutions offered Medical Records Technology/Technician programs in 2012.
- There are two types of Medical Records Technology/Technician Program credentials in Washington. The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	44	47	55	40	47	81	113	112
Associate	53	47	54	53	41	49	110	88

- Total annual program completions increased by 106 percent between 2005 and 2012.
- Completions per 100,000 population increased by 86.5 percent over the same time period.
- 89.5 percent of program completers were female in 2012 compared to 82.5 percent 2005.



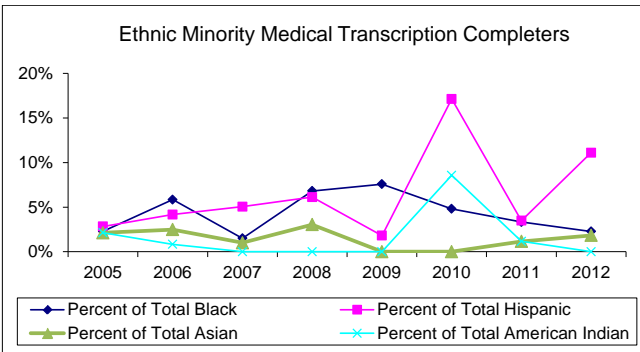
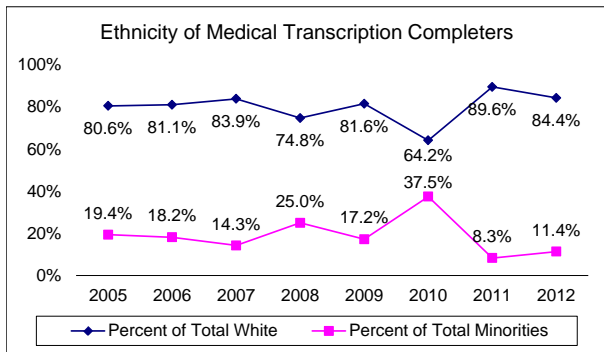
Medical Transcription (CIP 51.0708)



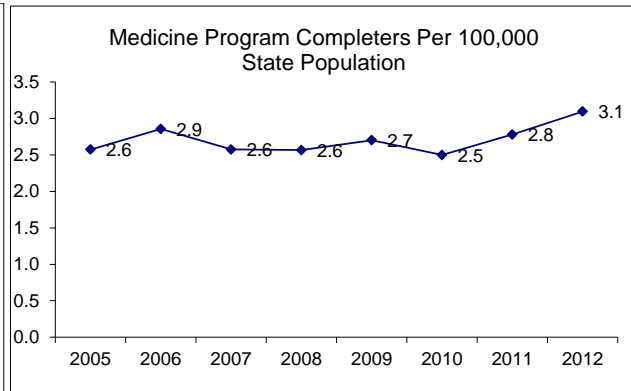
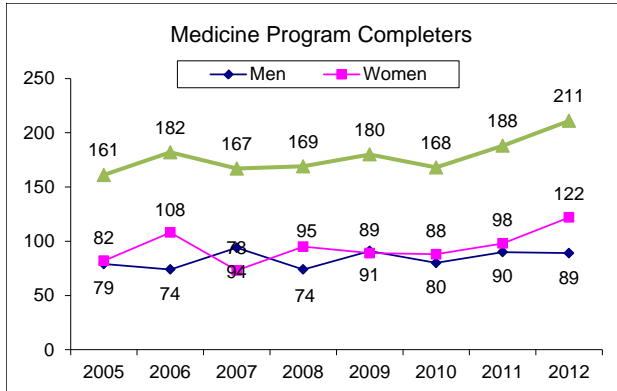
- Eight educational institutions offered Medical Transcription programs in 2012, down from 12 in 2011.
- There is one type of Medical Transcription Program credential in Washington. The number of program completions from 2005-2012 are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	174	148	118	129	170	109	109	68

- Total annual program completions decreased by 61 percent between 2005 and 2012.
- Completions per 100,000 population decreased by 64 percent from 2005.
- 97 percent of program completers were female in 2012 which was the same as in 2005.



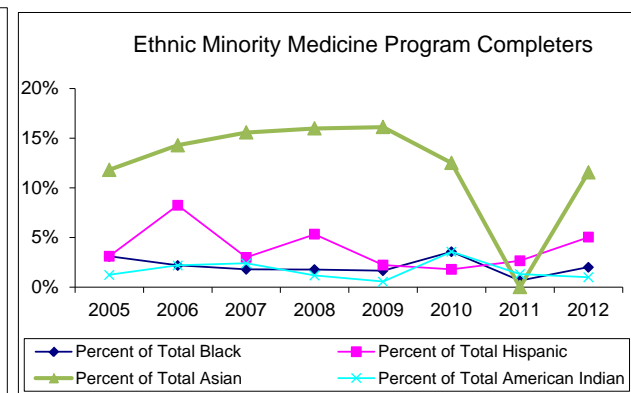
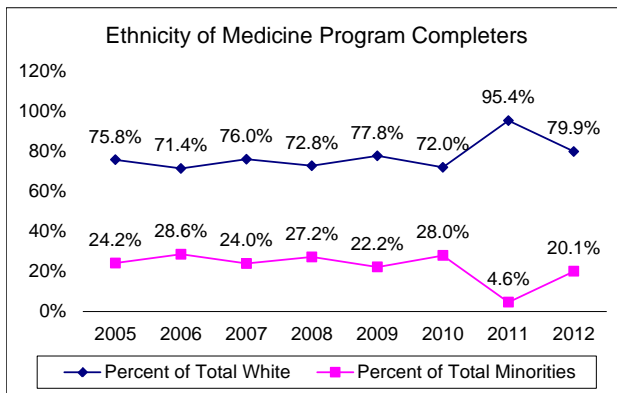
Medicine – MD (CIP 51.1201)



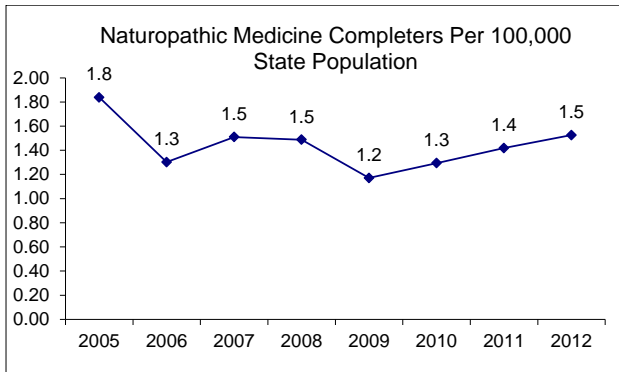
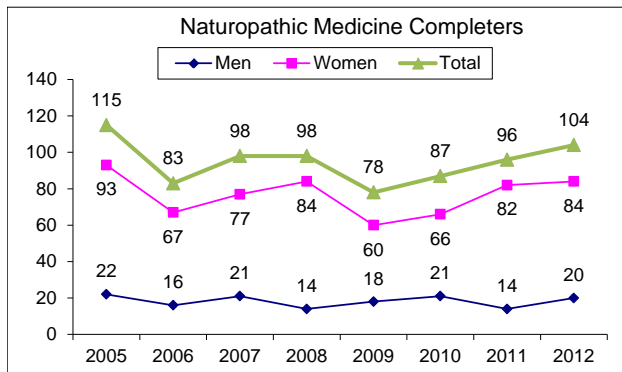
- One university offered a program in Medicine in 2012.

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Professional Degree	161	187	147	189	163	179	178	211

- Total annual program completions increased by 31 percent between 2005 and 2012.
- Completions per 100,000 population increased by 20 percent from 2005 to 2012.
- 58 percent of program completers were female in 2012 compared to 51 percent in 2005.



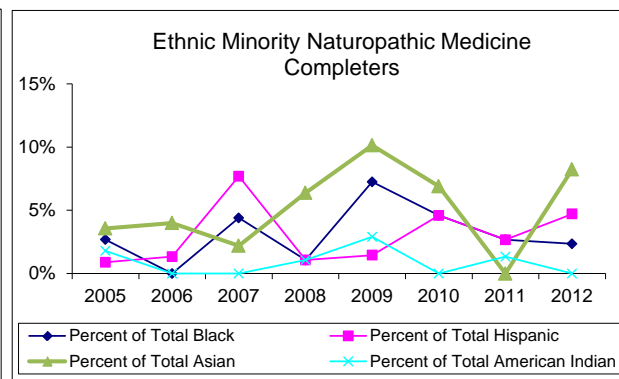
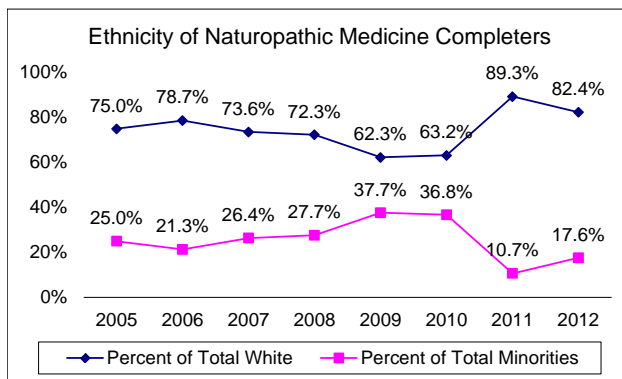
Naturopathic Medicine (CIP 51.3303)



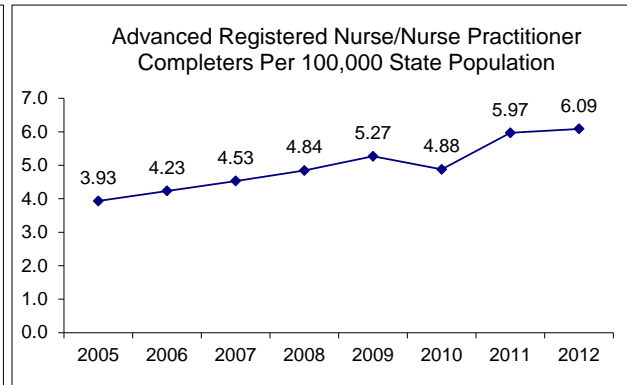
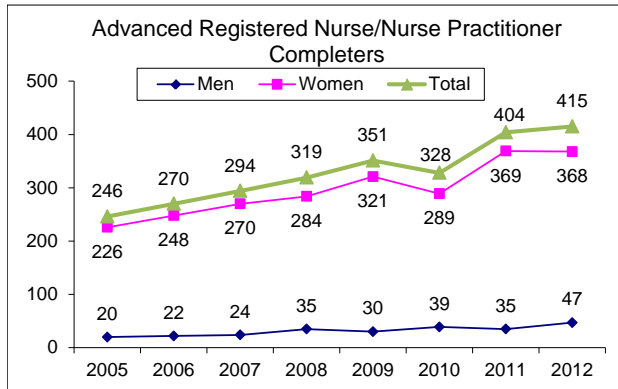
- One university offered a program in Naturopathic Medicine in 2012.

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Professional Degree	115	83	98	98	78	87	96	104

- Total annual program completions decreased by 10 percent between 2005 and 2012, however increased by 8 percent from 2011.
- Completions per 100,000 population decreased by 17 percent from 2005 to 2012.
- 81 percent of program completers were female in 2012, the same as in 2005.



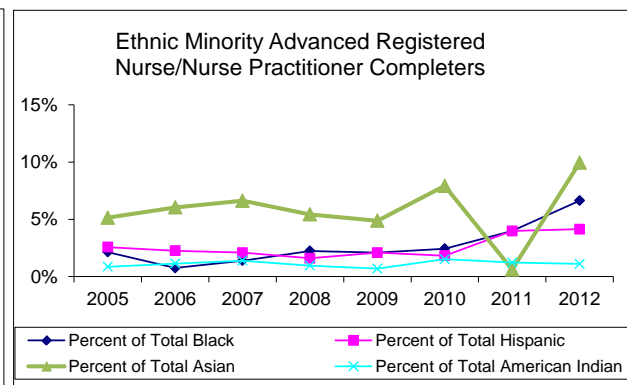
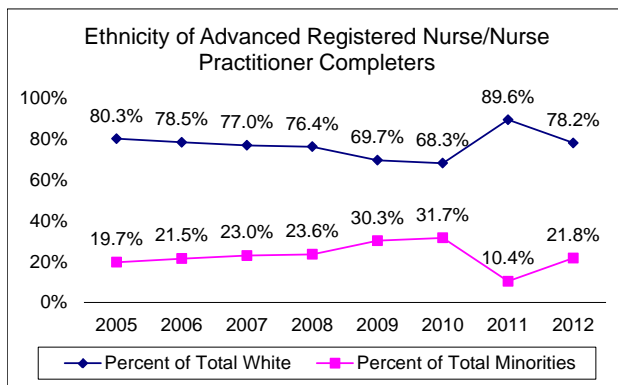
Advanced Registered Nurse Practitioner (51.3805 and 3801)



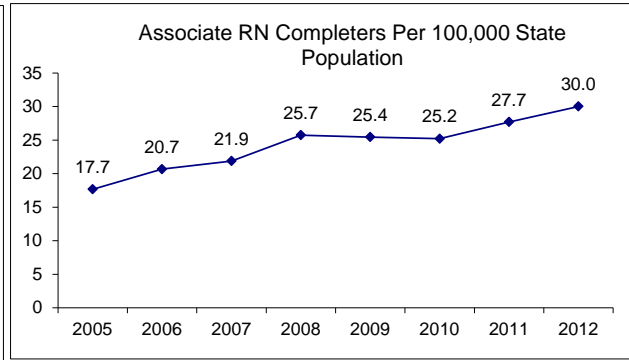
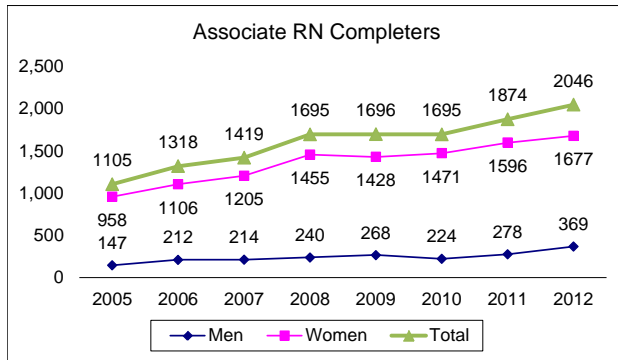
- Seven universities and branches offered Advanced Registered Nurse/Nurse Practitioner programs in 2012.
- Nurse Practitioners and Registered Nurses having a degree or certificate at or above the master's level were selected. Completion numbers are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Doctor's Degree	19	14	14	16	40	0	40	43
Master's Degree	227	254	280	302	311	328	364	372
Post-masters certificate	0	2	0	1				

- Total annual program completions increased by 69 percent between 2005 and 2012.
- Completions per 100,000 population increased by 55 percent from 2005 to 2012.
- 89 percent of program completers were female in 2012 compared to 92 percent in 2005.



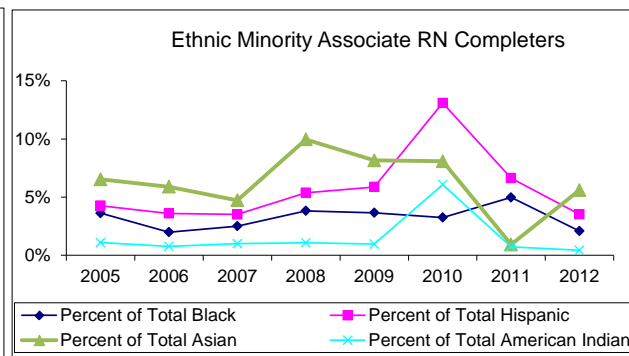
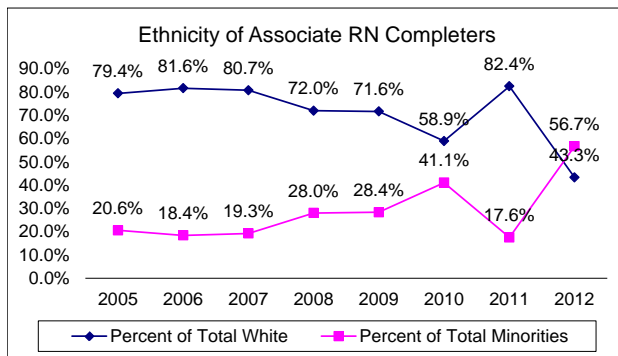
Associate Registered Nurse (51.3801)



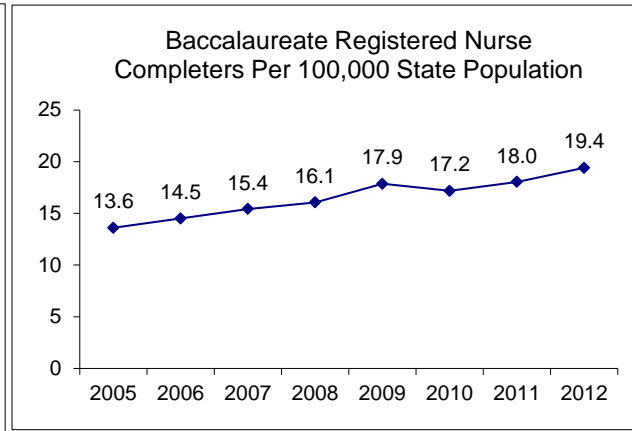
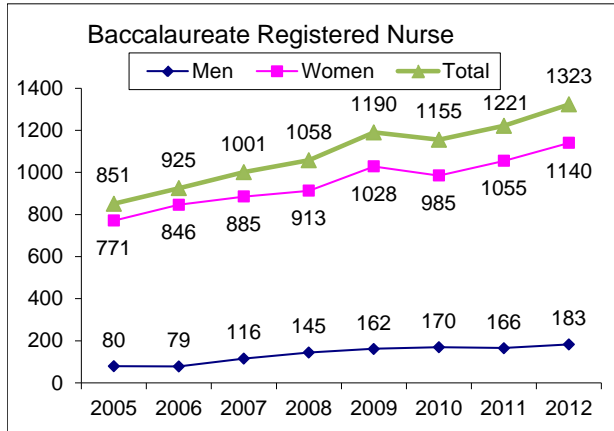
- Thirty-three community and technical colleges and universities offered Registered Nurse programs at the associate’s level or less in 2012.

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Associate	1105	1318	1419	1695	1696	1695	1860	2035
Less than two years	0	0	0	0	0	0	179	14

- Total annual program completions for associate level RNs increased by 85 percent between 2005 and 2012.
- Completions per 100,000 population increased by 70 percent from 2005 to 2012.
- 82 percent of program completers were female in 2012 compared to 87 percent in 2005.
- There was a 36 percent increase of males completing an associate level nursing program during this time frame.



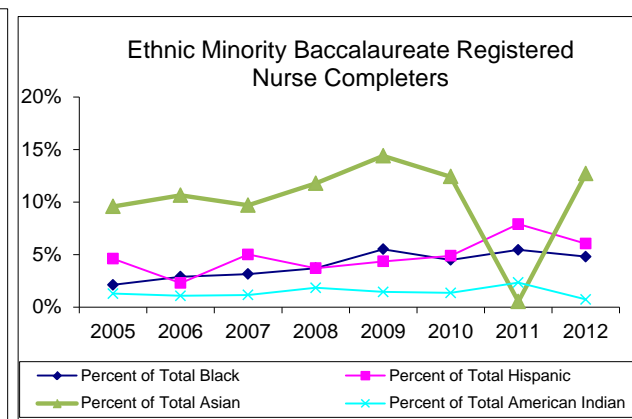
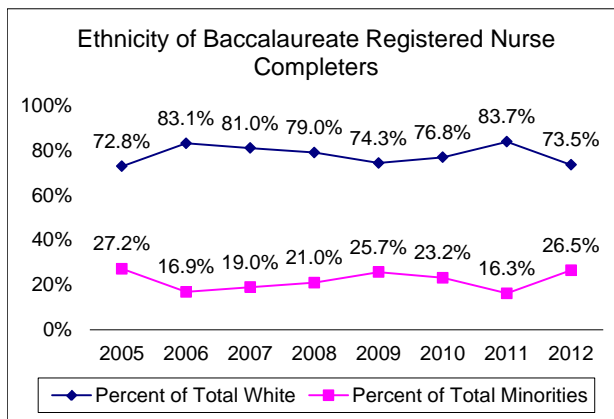
Baccalaureate Registered Nurse (51.3801)



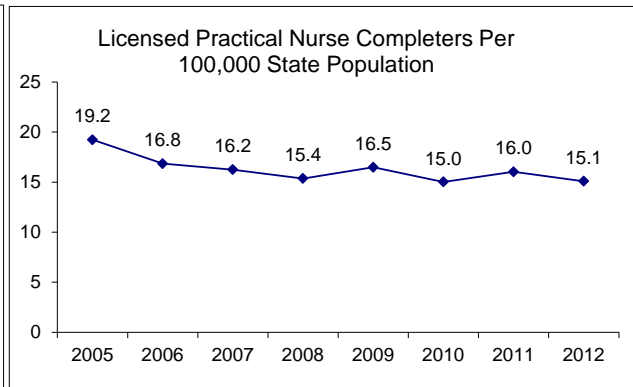
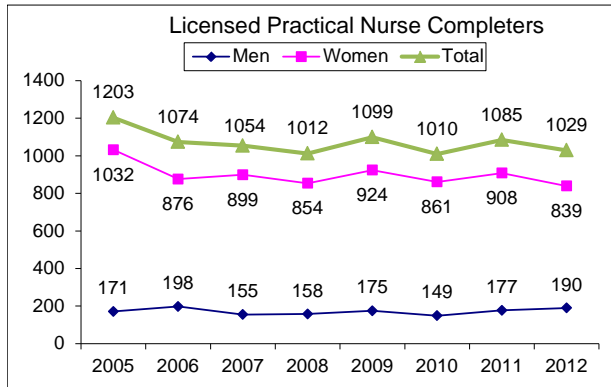
- Thirteen universities and colleges offered Registered Nurse programs at the Baccalaureate level in 2012.
- The number of program completions from 2005-2012 are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Baccalaureate	851	925	1001	1058	1190	1155	1221	1323

- Total annual program completions for baccalaureate level RNs increased by 55 percent between 2005 and 2012.
- Completions per 100,000 population increased by 43 percent from 2005 to 2012.
- 86 percent of program completers were female in 2012 compared to 91 percent in 2005.



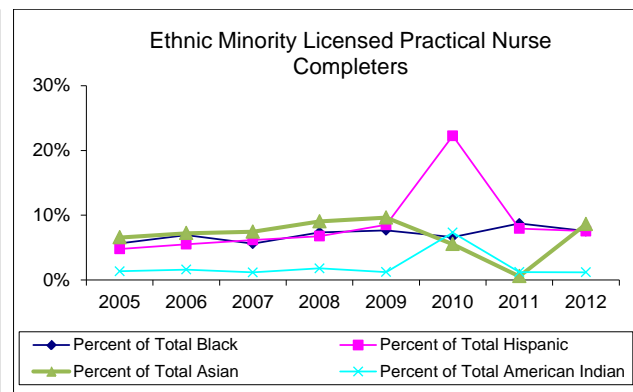
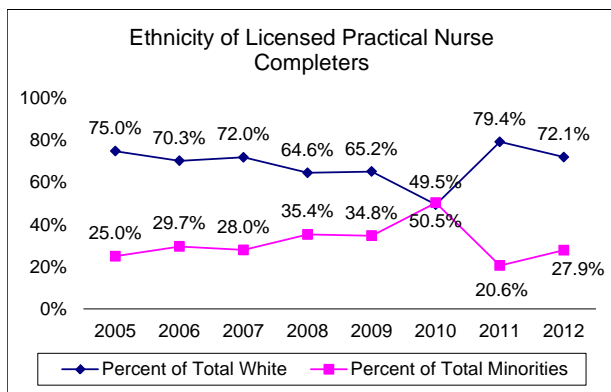
Licensed Practical Nurse (51.3901)



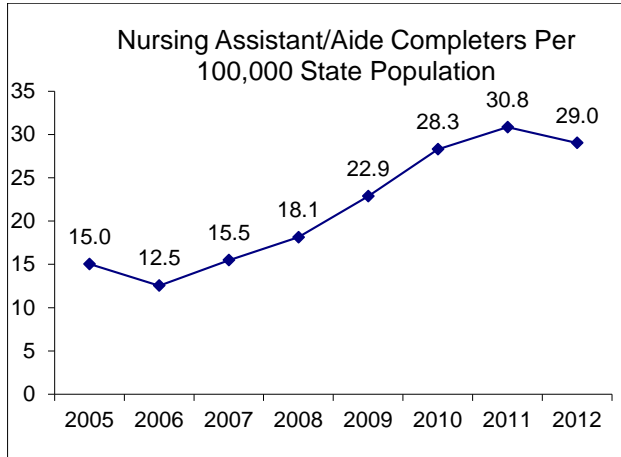
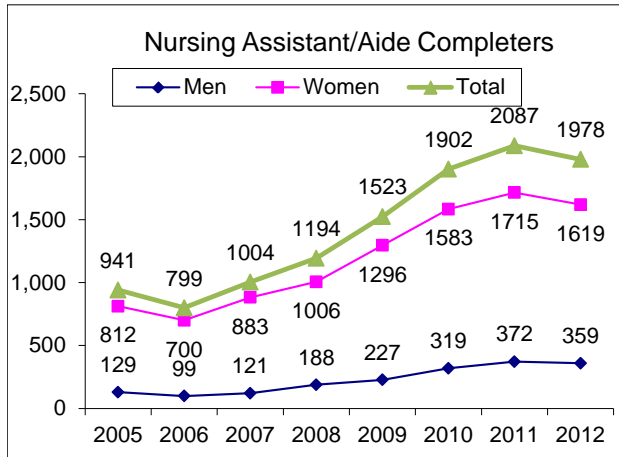
- Twenty-two community and technical colleges offered Licensed Practical Nurse programs in 2012 up from 21 in 2011
- The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	1110	1019	988	928	993	926	973	927
Associate	41	55	54	43	91	71	112	102
2 to 4 years	52	0	12	41	15	13	0	0

- Total annual program completions for LPNs decreased by 14 percent between 2005 and 2012.
- Completions per 100,000 population decreased by 21 percent from 2005 to 2012.
- 82 percent of program completers were female in 2012 compared to 86 percent in 2005.



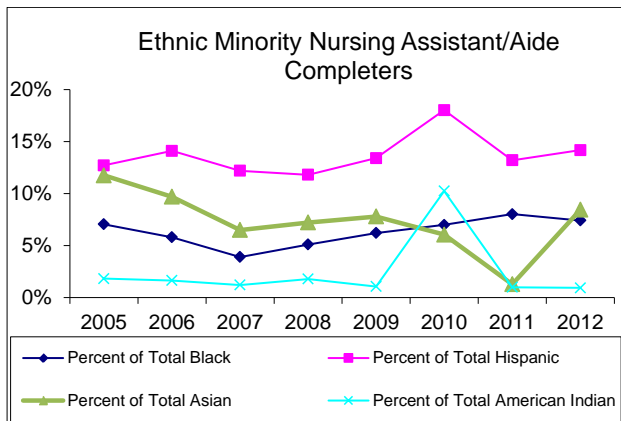
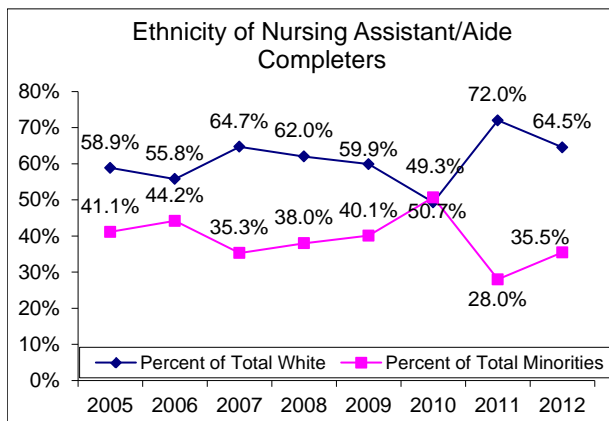
Nursing Assistant/Aide and Patient Care (51.3902)



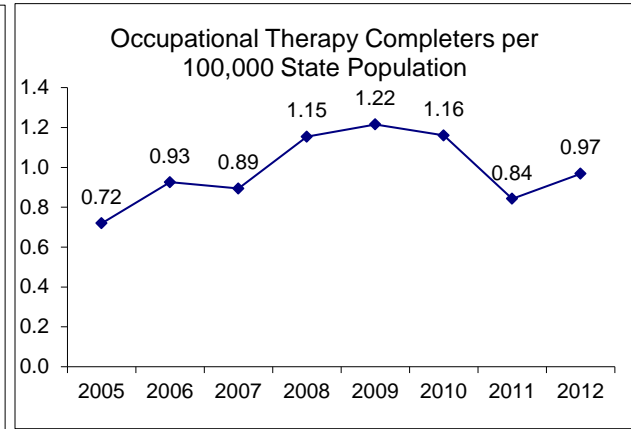
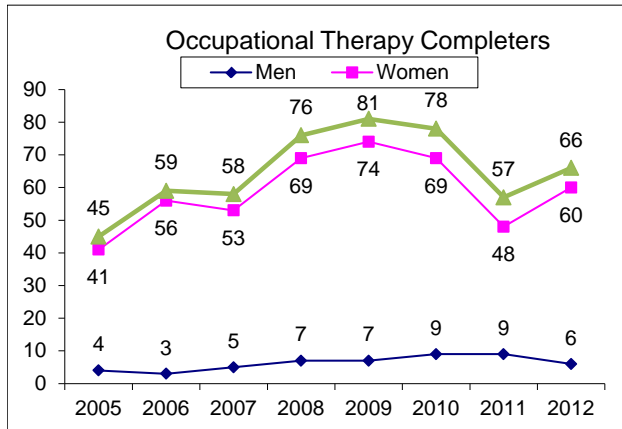
- Twenty-five educational institutions offered Nursing Assistant/Aide programs in 2012 up from 24 in 2011.
- The number of program completions from 2005-2012 are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	941	799	1,004	1,194	1,523	1,902	2,087	1,978

- Total annual program completions increased by 110 percent between 2005 and 2012.
- Completions per 100,000 population increased by 93 percent from 2005 to 2012.
- 82 percent of program completers were female in 2012 compared to 83 percent in 2005.



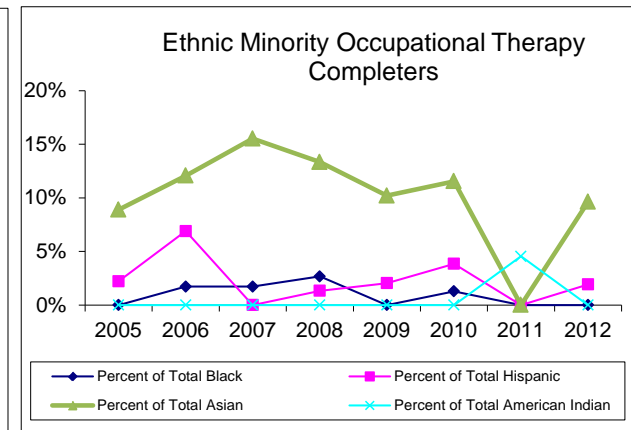
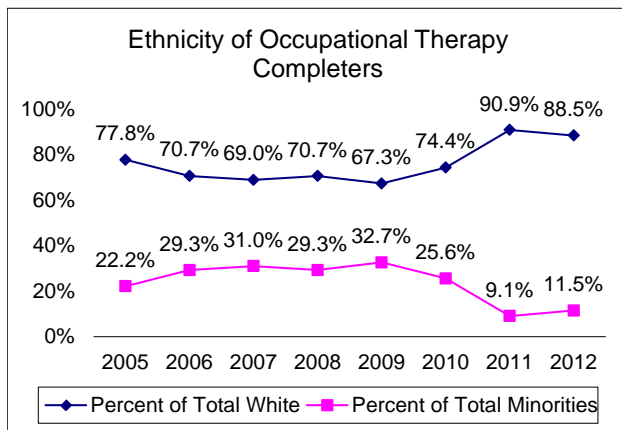
Occupational Therapy (CIP 51.2306)



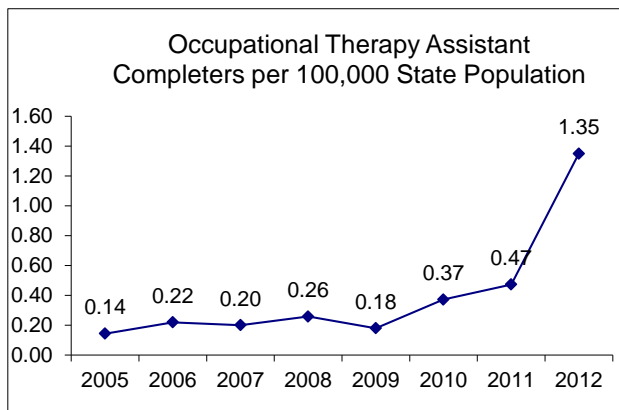
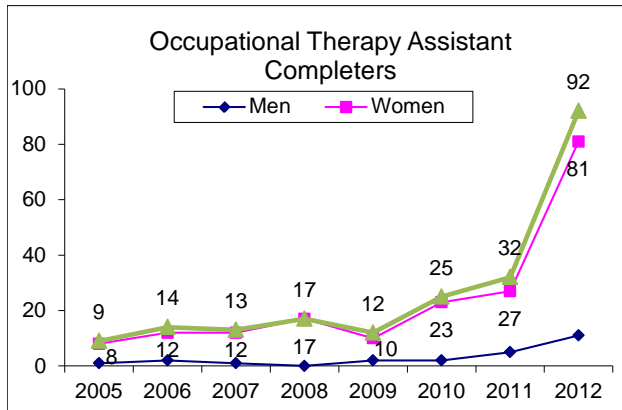
- Two universities offered Occupational Therapy programs in 2012.
- There have been two types of Occupational Therapy Program credentials in Washington; however the baccalaureate has not been issued since 2008. The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Baccalaureate	14	16	15	1	0	0	0	0
Master's	31	43	43	75	81	78	57	66

- Total annual program completions increased by 47 percent between 2005 and 2012 and by 16 percent from 2011.
- Completions per 100,000 population increased by 35 percent over the same time period.
- 91 percent of program completers were female in 2012 compared to 94.1 percent in 2005.



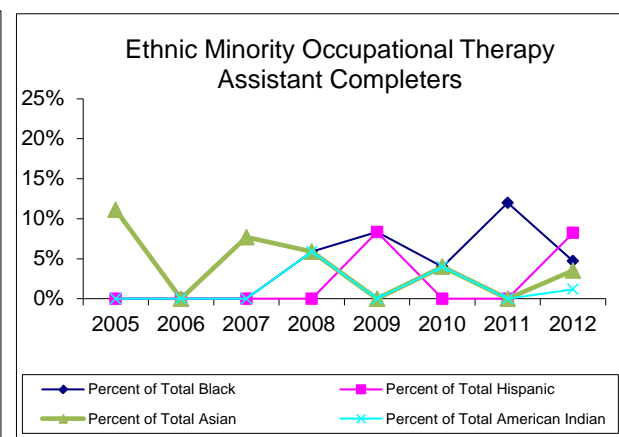
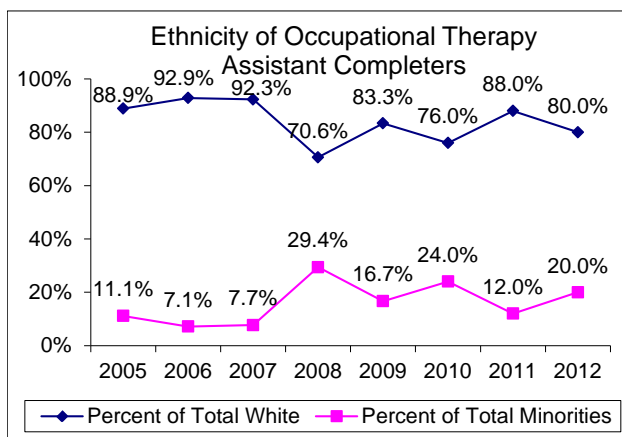
Occupational Therapy Assistant (CIP 51.0803)



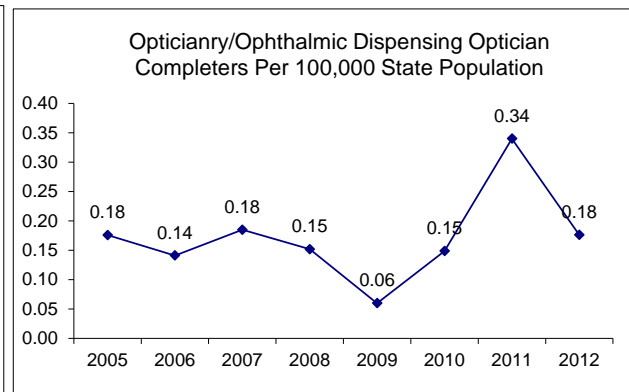
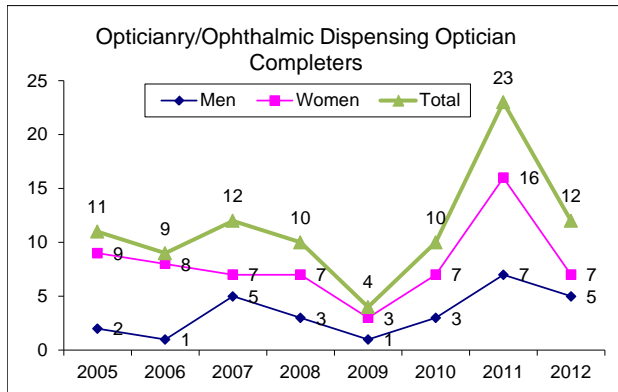
- One educational institution offered an Occupational Therapy Assistant program in 2012.
- There is one type of Occupational Therapy Assistant Program credential in Washington. The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Associate	9	14	13	17	12	25	32	92

- Total annual program completions increased by 922 percent (from 9 to 92) between 2005 and 2012. Although the number of completions was low in 2005, the past three years has shown a marked increase.
- Completions per 100,000 population increased by 838 percent, over the same time period.
- 88 percent of program completers were female in 2012 compared to 89 percent in 2005.



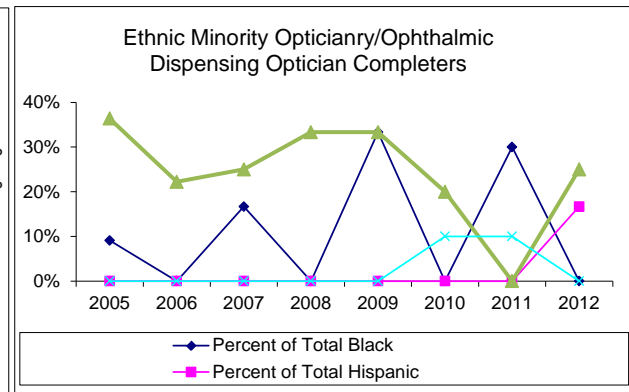
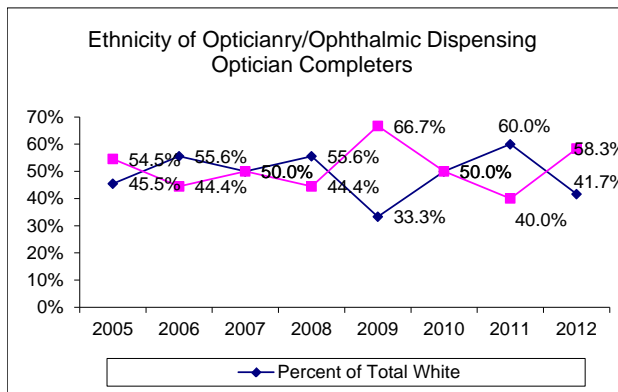
Opticianry/Ophthalmic Dispensing Optician (CIP 51.1801)



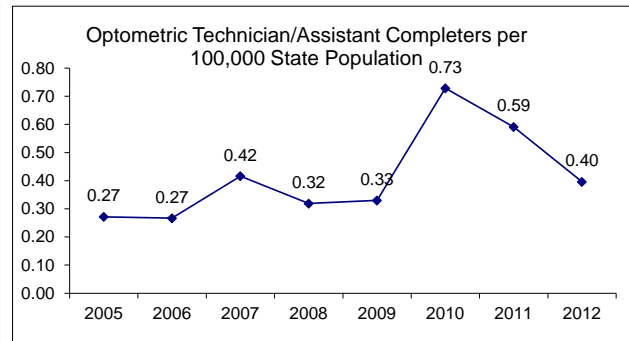
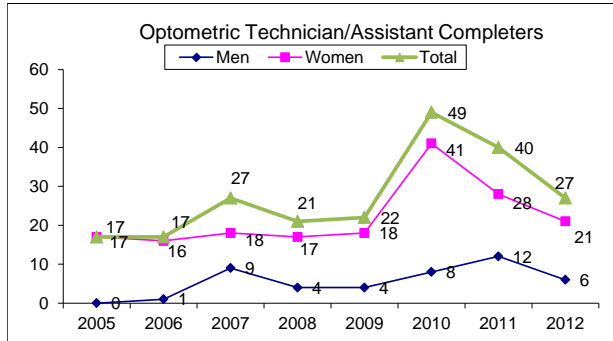
- One educational institution offered Opticianry/Ophthalmic Dispensing Optician programs in 2012.
- There have been two types of Opticianry/Ophthalmic Dispensing program credentials in Washington though only one reported completions since 2009. The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	1	2	0	1	0	0	0	0
Associate	10	7	12	9	4	10	23	12

- Total annual program completions increased by 9 percent (from 10 to 12) between 2005 and 2012.
- Completions per 100,000 population remained the same from 2005 to 2012.
- 58% of program completers were female in 2012 compared to 82% in 2005.



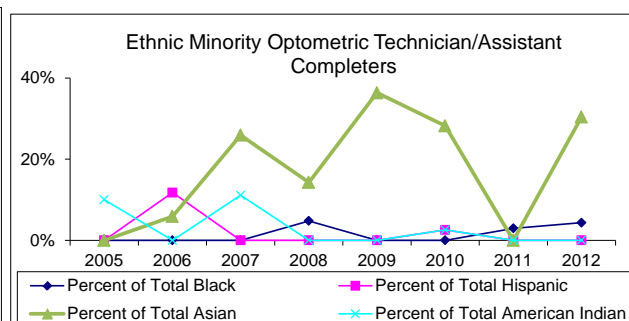
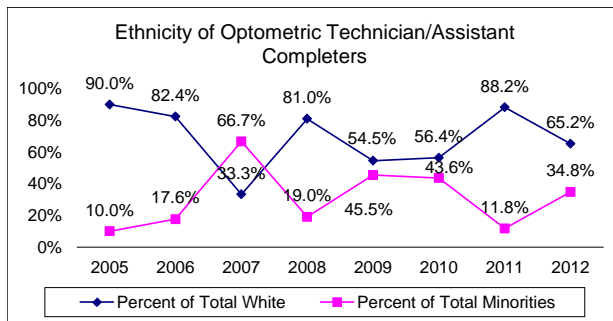
Optometric Technician Assistant (CIP 51.1802)



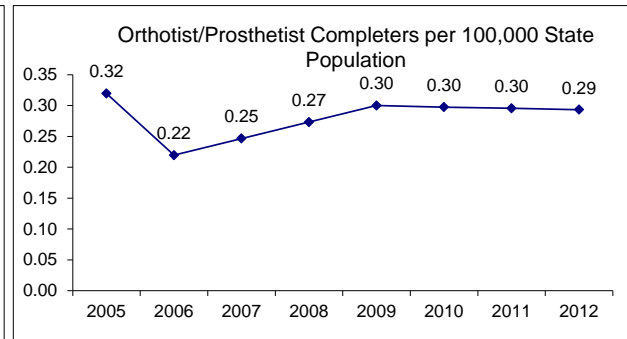
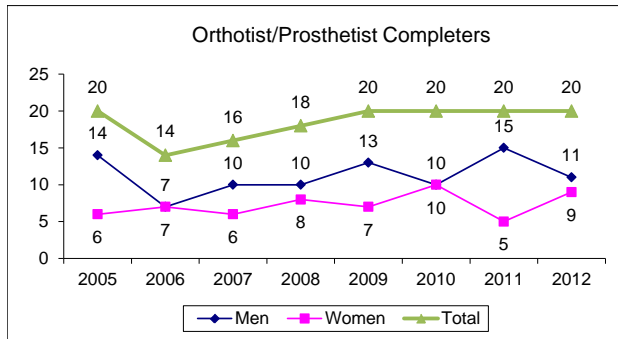
- Two educational institutions offered an Optometric Technician Assistant program in 2012.
- There are two types of Optometric Technician Program credentials in Washington. The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	8	9	21	14	14	34	25	15
Associate	2	8	6	7	8	15	15	12

- Total annual program completions increased by 170 percent between 2005 and 2012.
- Completions per 100,000 population increased by 46 percent over the same time period.
- 78 percent of program completers were female in 2012 compared to 100 percent in 2005.
- With the number of completions per year being low, a small variance in any one year can give a false impression of the significance of the percent of change.



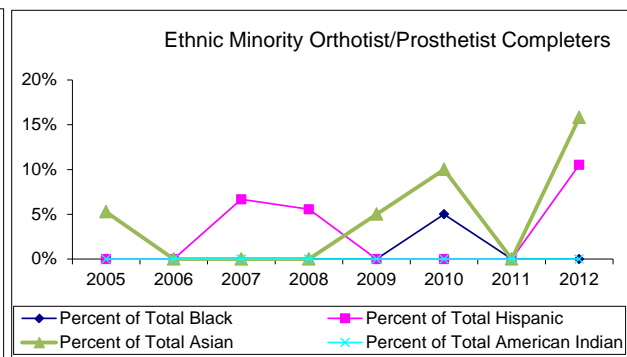
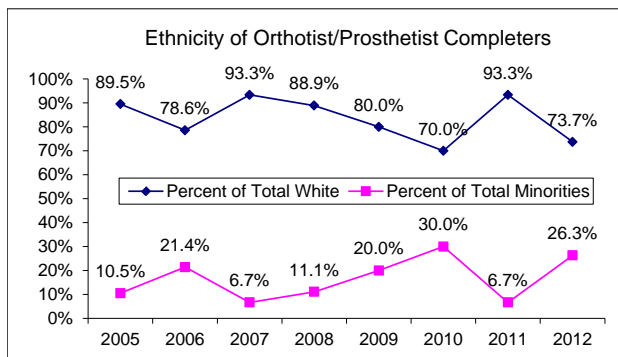
Orthotist/Prosthetist (CIP 51.2307)



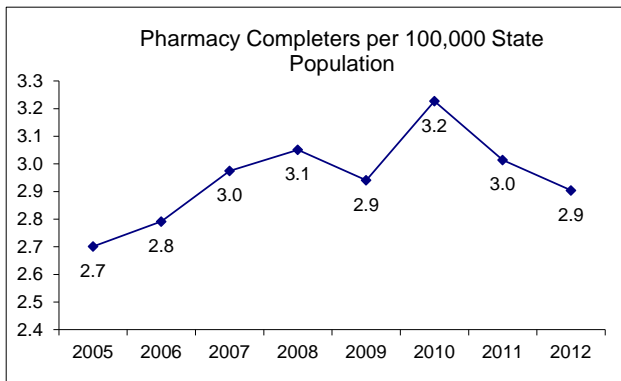
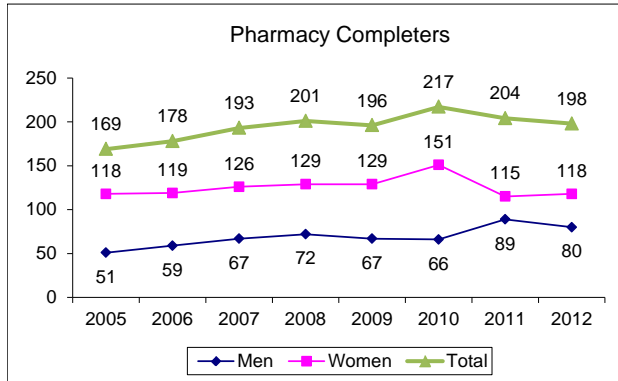
- Two educational institutions offered Orthotist/Prosthetist programs in 2012.
- There are three types of Orthotist/Prosthetist Program credentials in Washington. The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	0	0	0	1	2	2	3	2
Associate	8	5	6	6	8	6	8	10
Baccalaureate	12	9	10	11	10	12	9	8

- The number of total completions in 2012 was the same as in 2005
- Completions per 100,000 population decreased by 8 percent from 2005 to 2012.
- 45 percent of program completers were female in 2012 compared to 30 percent in 2005.
- With the number of completions per year being low, a small variance in any one year can give a false impression of the significance of the percent of change



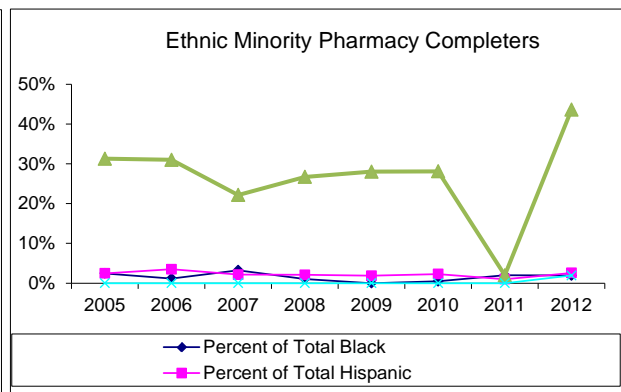
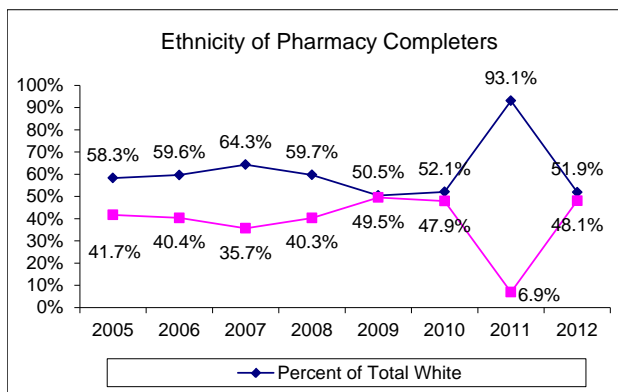
Pharmacy (CIP 51.2001)



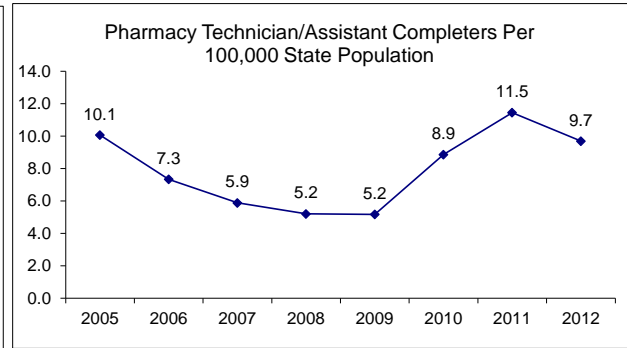
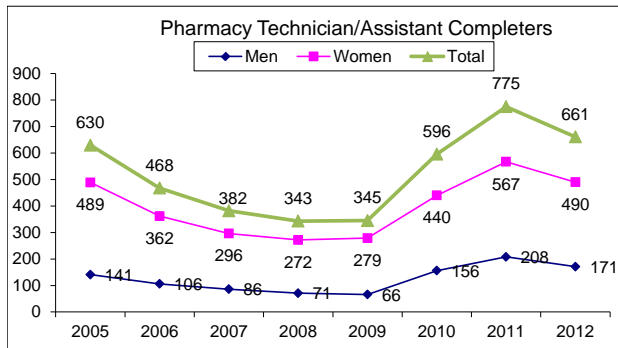
- Two universities offered a Pharmacy program in 2012.
- The number of program completions from 2005-2012 are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Professional degree	169	178	193	201	169	212	202	194
Master's	0	0	0	0	0	5	2	4

- Total annual program completions increased by 17 percent between 2005 and 2012.
- Completions per 100,000 population increased by 8 percent from 2005 to 2012.
- 60 percent of program completers were female in 2012 compared to 70 percent in 2005.



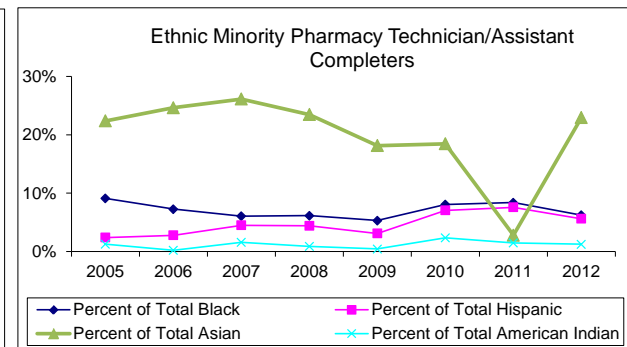
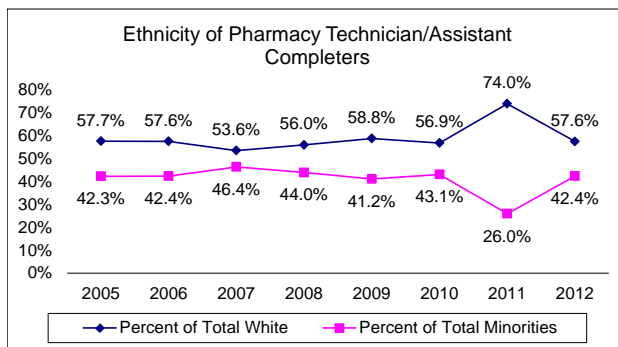
Pharmacy Technician/Assistant (CIP 51.0805)



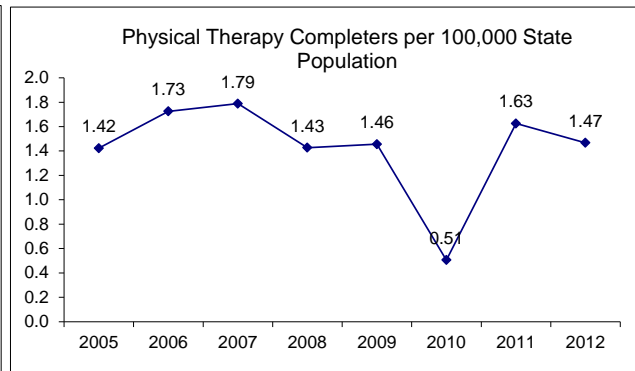
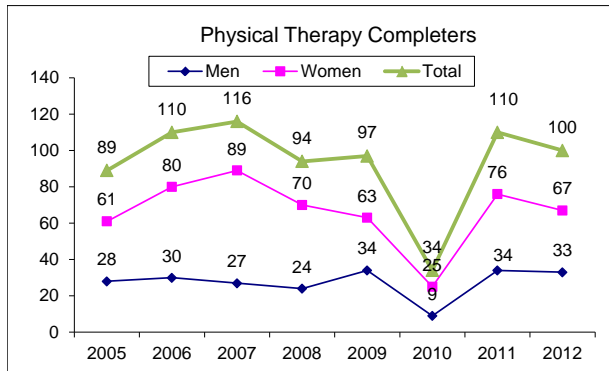
- Fifteen state, community and technical colleges offered Pharmacy Technician/Assistant programs in 2012, down from 17 in 2011.
- There are two types of Pharmacy Technician/Assistant Program credentials in Washington. The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	609	450	348	306	301	571	736	596
Associate	21	18	34	37	44	25	39	65

- Total annual program completions increased by 5 percent between 2005 and 2012.
- Completions per 100,000 population decreased by 4 percent between 2005 and 2012.
- 74 percent of program completers were female in 2012 compared to 78 percent in 2005.



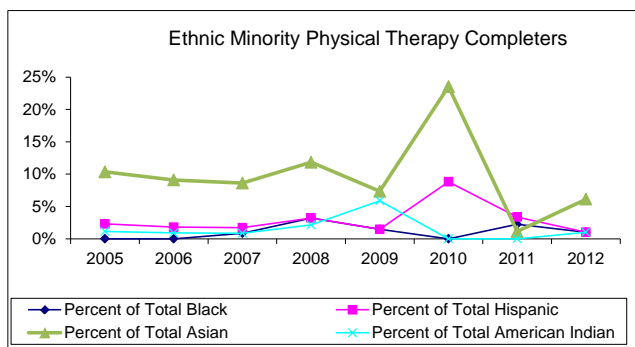
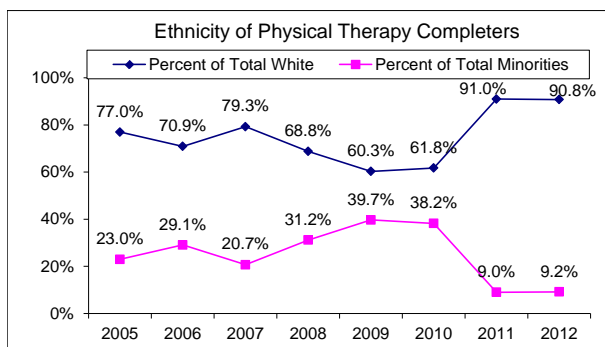
Physical Therapy (CIP 51.2308)



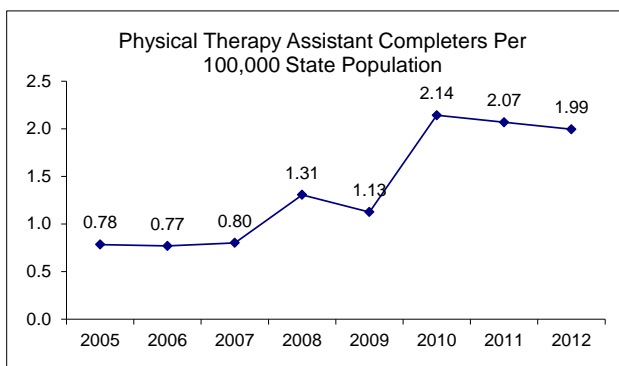
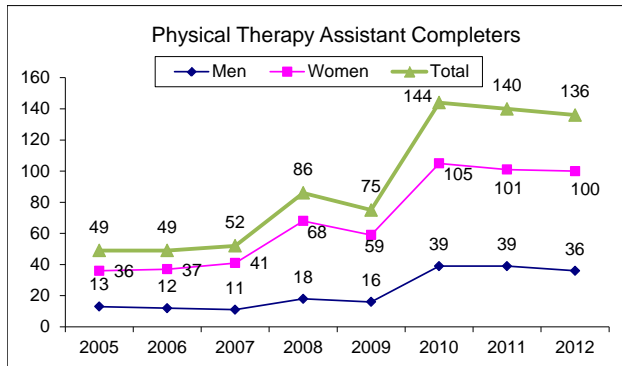
- Three universities in the state offered Physical Therapy programs in 2012.
- There is one type of Physical Therapy Program credential in Washington, since 2007.
- The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Master's	42	46	53	0	0	0	0	0
Doctoral	47	64	63	94	97	34	110	100

- Total annual program completions increased by 12 percent between 2005 and 2012.
- Completions per 100,000 population increased by 3 percent from 2005 to 2012.
- 67 percent of program completers were female in 2012 compared to 69 percent in 2005.



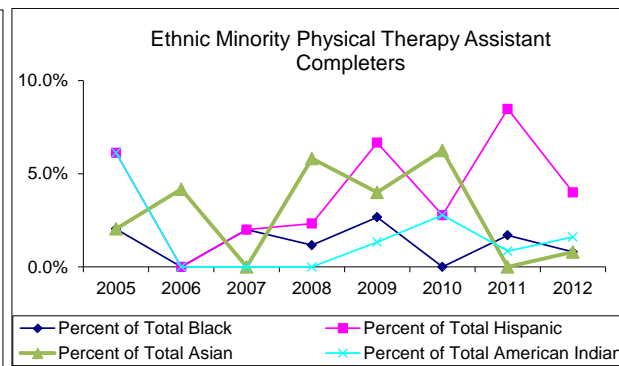
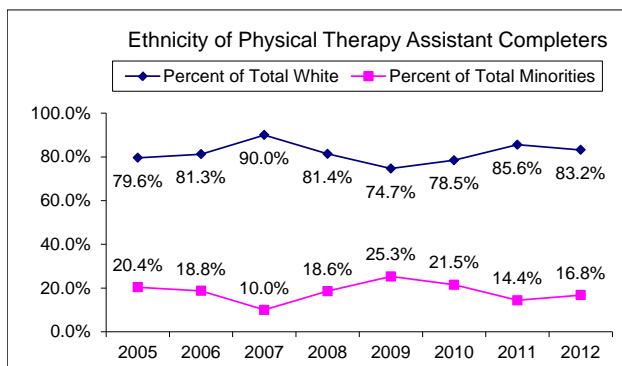
Physical Therapy Assistant (CIP 51.0806)



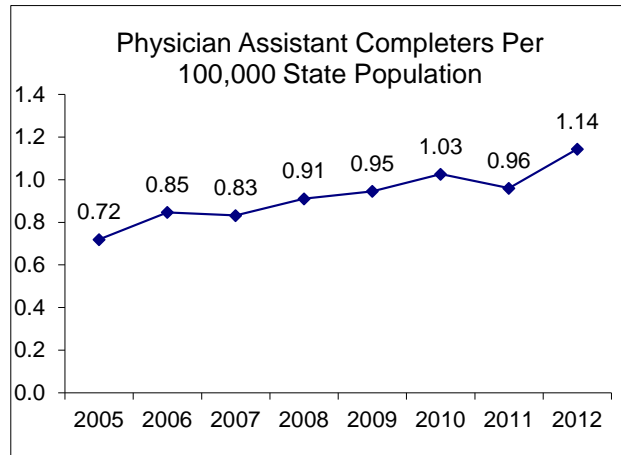
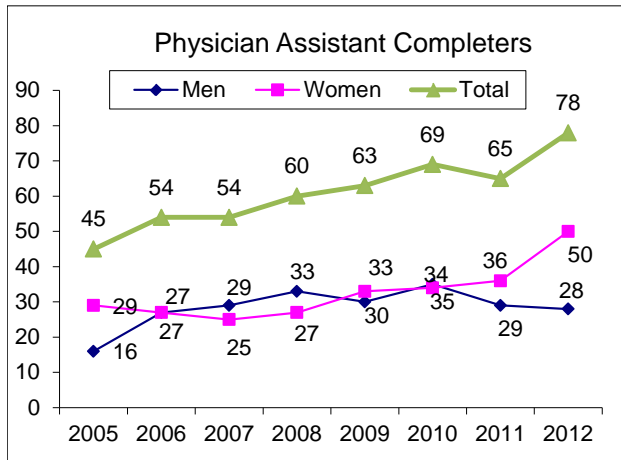
- Six educational institutions offered Physical Therapy Assistant programs in 2012.
- There is one type of Physical Therapy Assistant Program credential in Washington. The number of program completions from 2005-2012 are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Associate	49	49	52	86	75	144	140	136

- Total annual program completions increased by 178 percent between 2005 and 2012 but decreased by 3 percent from 2011.
- Completions per 100,000 population increased by 155 percent from 2005 to 2012.
- 74 percent of program completers were female in 2012 the same as in 2005.



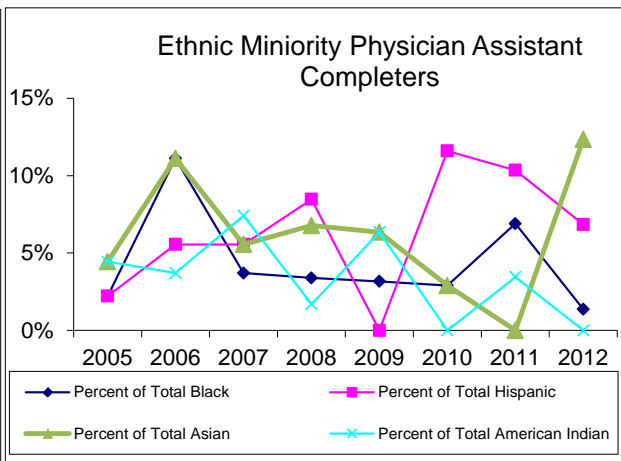
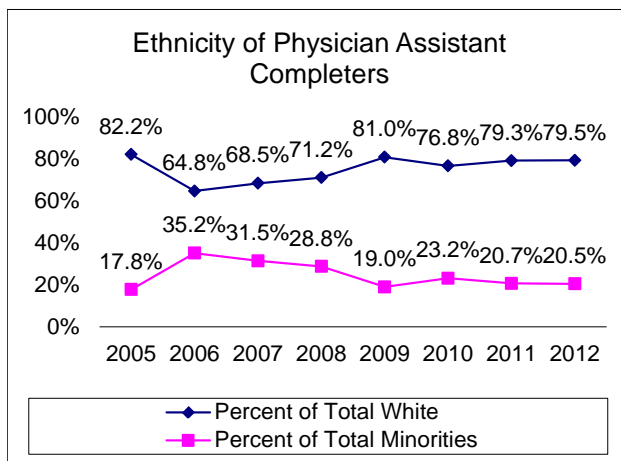
Physician Assistant (CIP 51.0912)



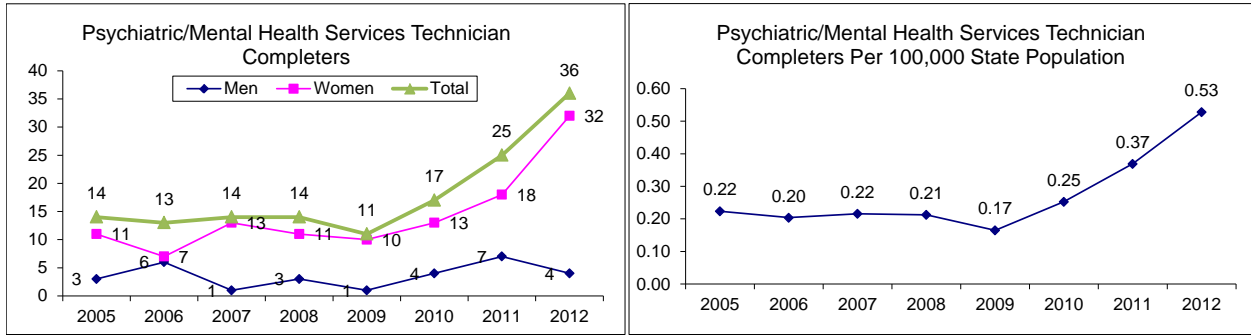
- One university offered a Physician Assistant program in 2012.

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Baccalaureate	45	54	54	60	63	69	65	32
Master's	0	0	0	0	0	0	0	46

- Total annual program completions increased by 73 percent between 2005 and 2012.
- Completions per 100,000 population increased by 59 percent from 2005 to 2012.
- 64 percent of program completers were female in 2012 the same as in 2005.



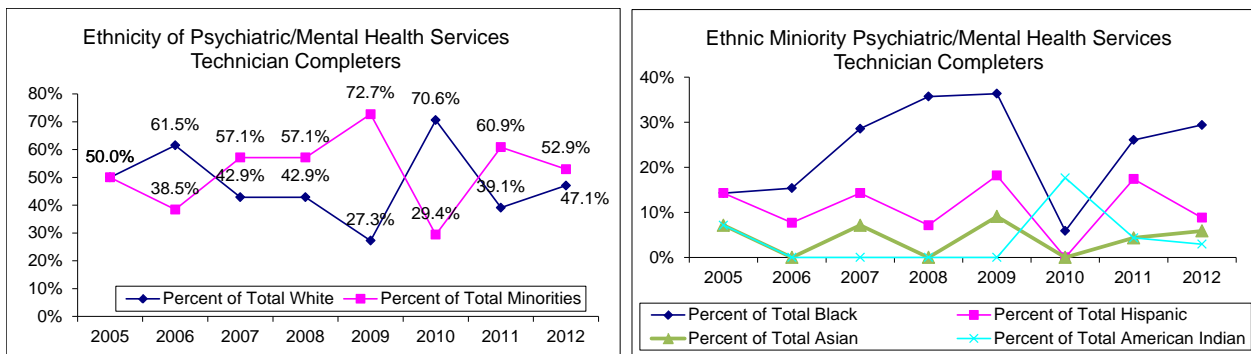
Psychiatric/Mental Health Services Technician (CIP 51.1502)



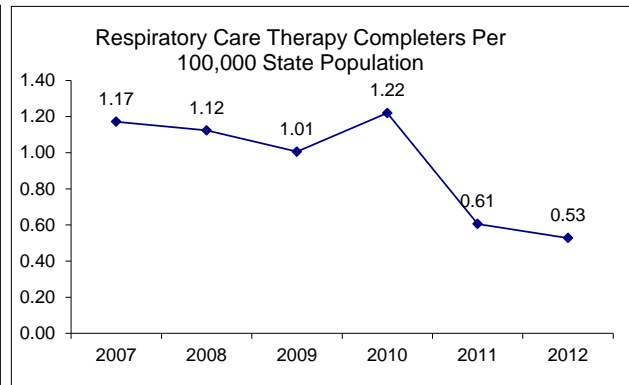
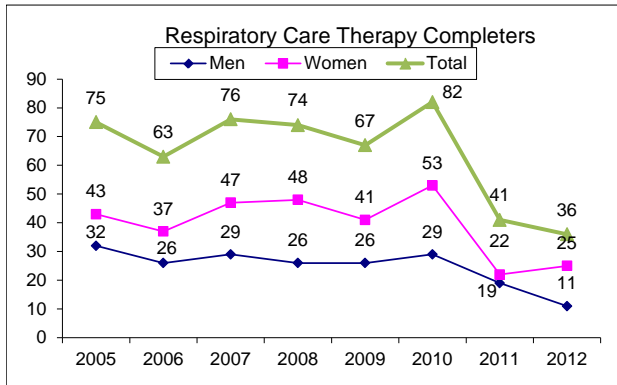
- One community and technical college offered Psychiatric/Mental Health Services Technician programs in 2012.
- There are two types of Psychiatric/Mental Health Program credentials in Washington. The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	10	9	11	12	9	13	25	30
Associate	4	4	3	2	2	4	0	6

- Total annual program completions increased by 157 percent between 2005 and 2012.
- Completions per 100,000 population increased by 136 percent from 2005 to 2012.
- 89 percent of program completers were female in 2012 compared to 79 percent in 2005.



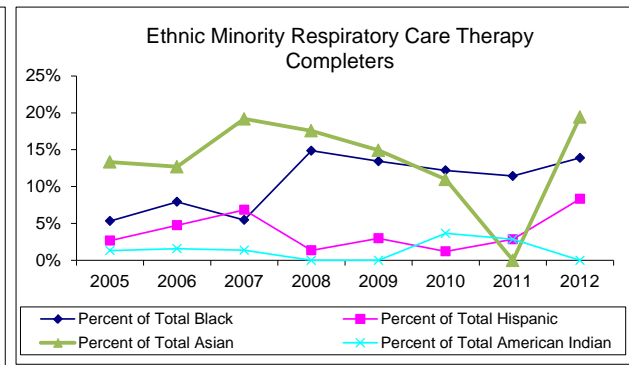
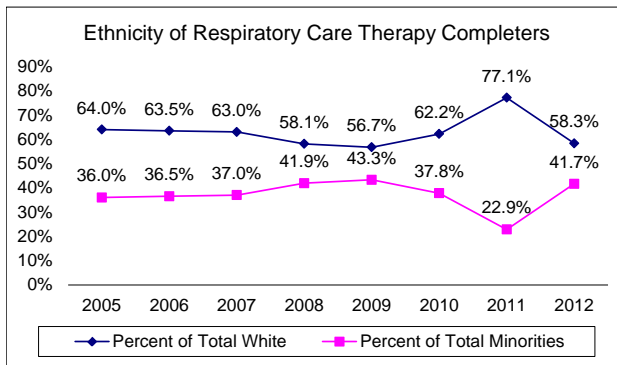
Respiratory Care Therapy (CIP 51.0908)



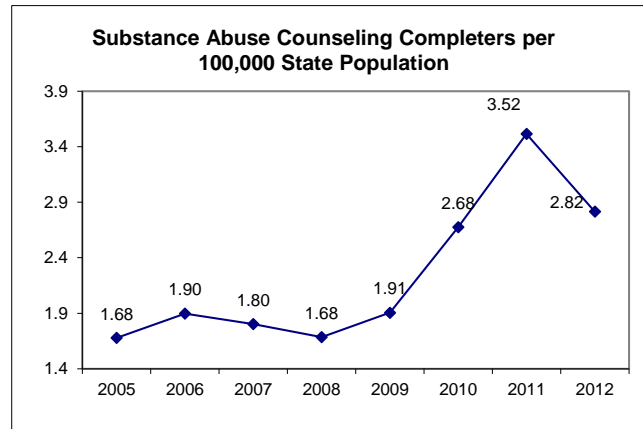
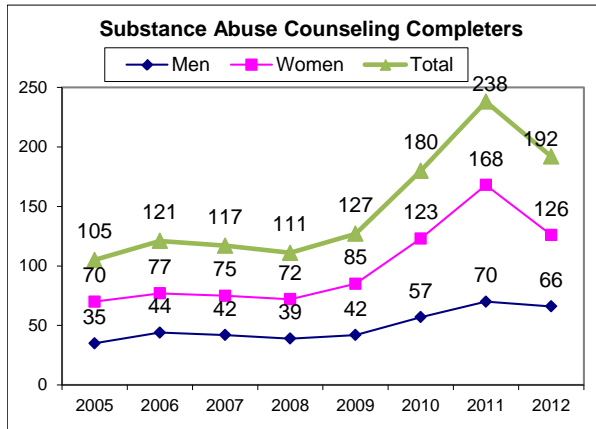
- One medical institute offered Respiratory Care Therapy programs in 2012.
- An associate’s degree is the only type of Respiratory Care Therapy Program credential currently available in Washington. The number of program completions from 2005-2012 are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Associate	75	63	76	74	67	82	41	36

- Total annual program completions decreased by 52 percent between 2005 and 2012.
- Completions per 100,000 population decreased by 56 percent from 2005 to 2012.
- 69 percent of program completers were female in 2012, compared to 57 percent in 2005.



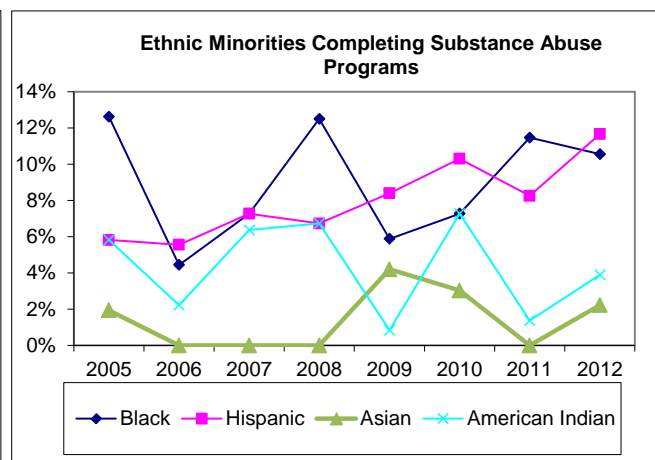
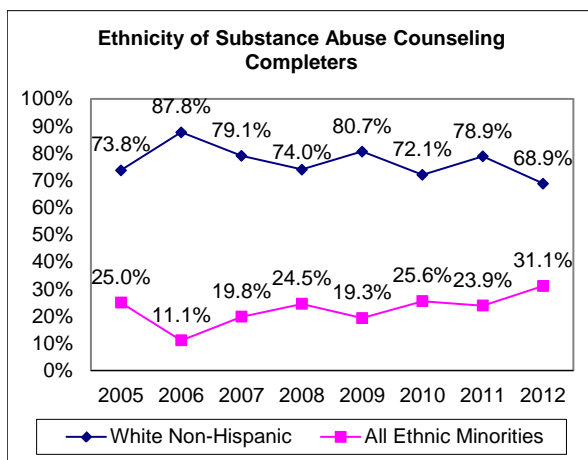
Substance Abuse/Addiction Counseling Program Completers (CIP 51.1501)



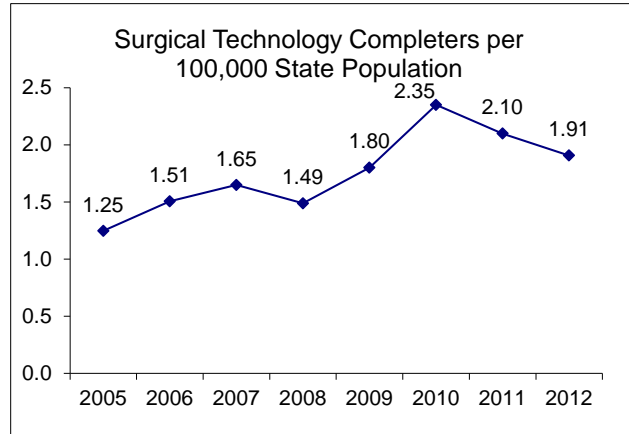
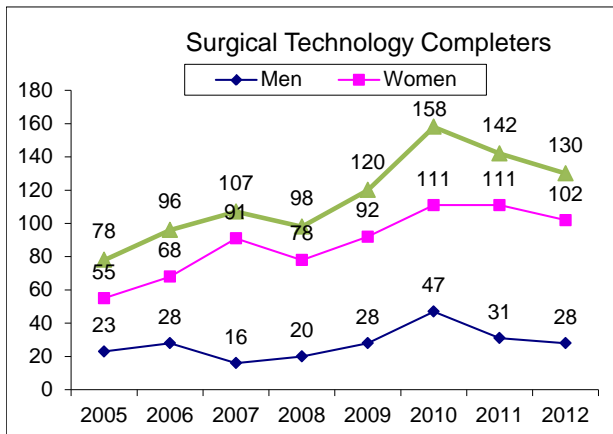
- Seventeen community and state colleges offered substance abuse/addiction counseling programs in 2012.
- There are two types of credentials for substance abuse/addiction counseling from programs in Washington. The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	50	63	68	54	68	92	141	103
Associate	55	58	49	57	59	88	97	89

- Total annual program completions increased by 83 percent from 2005 to 2012.
- Completions per 100,000 population increased by 70 percent over the same time period.
- 66 percent of program completers were female in 2012 compared to 67 percent in 2005.



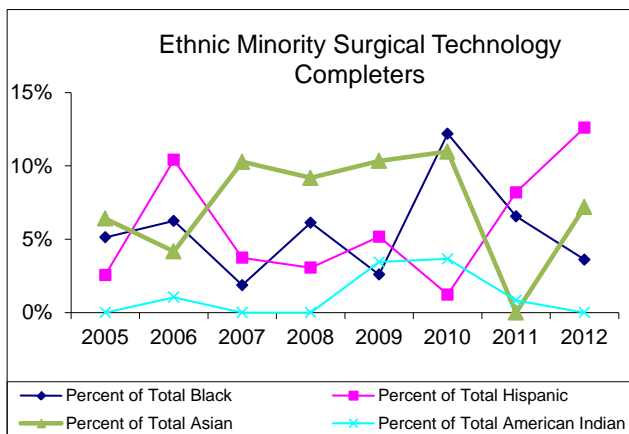
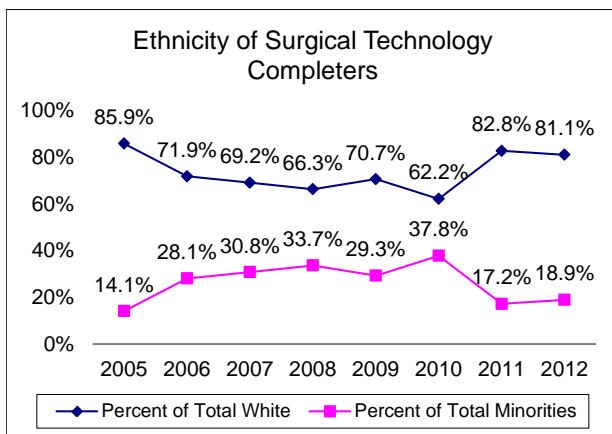
Surgical Technology Program (CIP 51.0909)



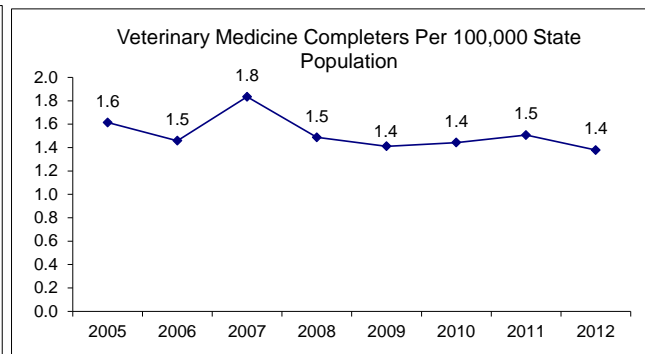
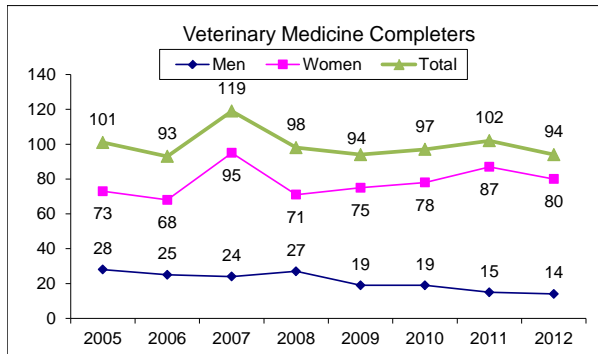
- Seven educational institutions offered Surgical Technology programs in 2012.
- There are two types of Surgical Technology program credentials in Washington. The number of program completions from 2005-2012 by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Less than two years	54	56	69	52	62	94	70	48
Associate	24	40	38	46	58	64	72	82

- Total annual program completions increased by 67 percent between 2005 and 2012 but declined by 8 percent from 2011.
- Completions per 100,000 population increased by 53 percent from 2005 to 2012.
- 78 percent of program completers were female in 2012 compared to 70 percent in 2005.



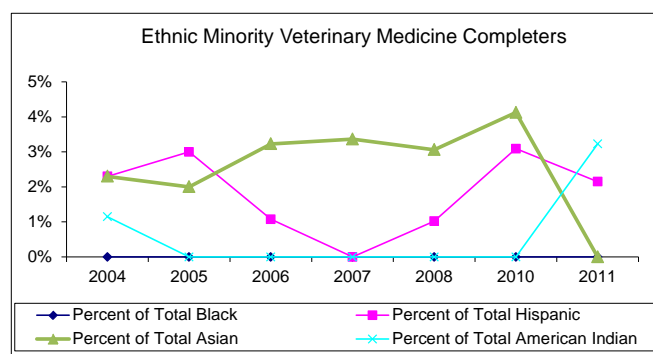
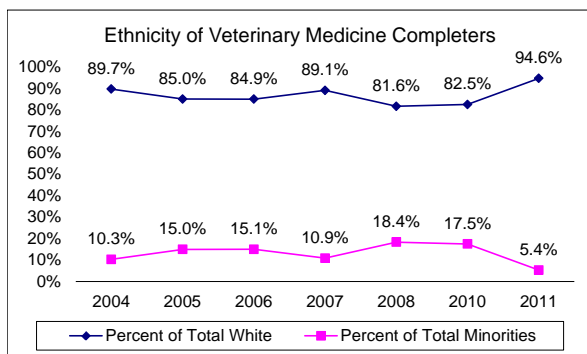
Veterinary Medicine (CIP 51.2401)



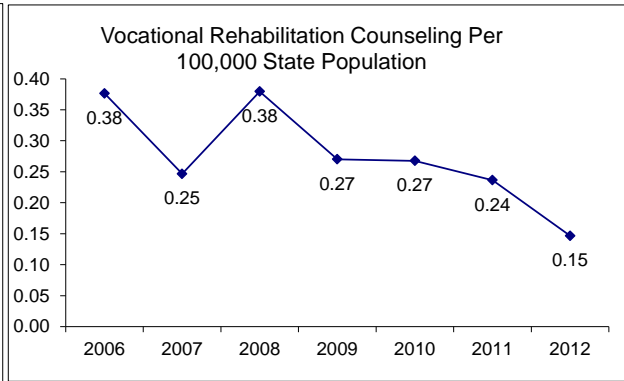
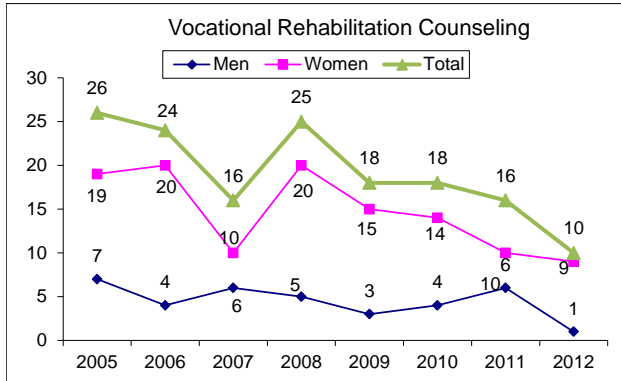
- One university offered a program in Veterinary Medicine in 2012.
- The number of program completions from 2005-2012 are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Professional Degree	101	93	119	98	94	97	102	94

- Total annual program completions decreased by 7 percent from 2005 to 2012.
- Completions per 100,000 population decreased by 14 percent from 2005 to 2012.
- 85 percent of program completers were female in 2012 compared to 72 percent in 2005.



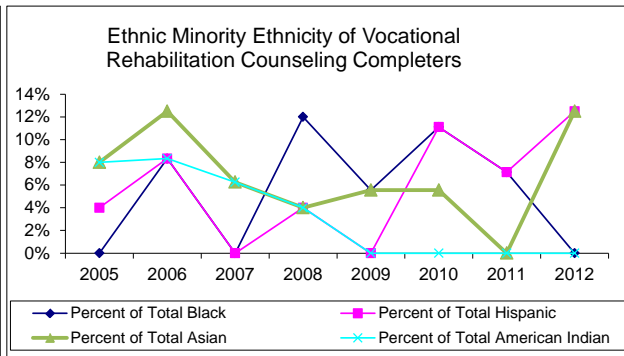
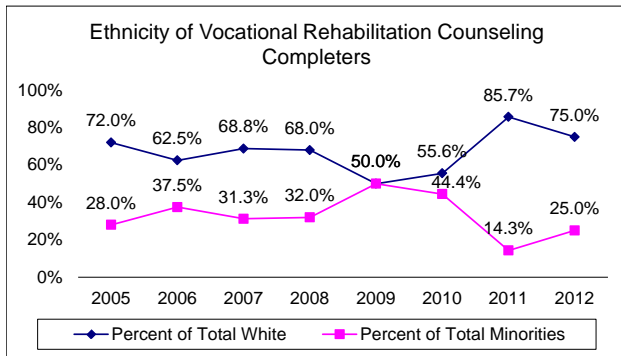
Vocational Rehabilitation Counseling (CIP 51.2310)



- One university and one community and technical college offered Vocational Rehabilitation Counseling programs in 2012
- Two types of Vocational Rehabilitation Counseling program credentials were offered in 2012.
- The number of program completions by type are as follows:

Type of Program	Number of Program Completions							
	2005	2006	2007	2008	2009	2010	2011	2012
Associate	8	5	2	5	1	5	1	2
Master's	18	19	14	20	17	13	15	8

- Total annual program completions decreased by 62 percent between 2005 and 2012.
- Completions per 100,000 population decreased by 65 percent from 2005 to 2012.
- 90 percent of program completers were female in 2012 compared to 73 percent in 2005



Note: The racial data for 2009 for this program was missing from IPEDS.

Completions by Workforce Development Areas

WDC Number	1	2	3	4	5	6	7	8	9	10	11	12	Grand Total
CIP_Description	Olympic	Pacific Mountain	Northwest	Snohomish	Seattle/King	Pierce	Southwest Washington	North-Central Washington	Tri-County	Eastern	Benton-Franklin	Spokane	
Acupuncture and Oriental Medicine					69								69
Allied Health Diagnostic, Intervention, and Treatment Professions, Other				29	26						4	26	85
Anesthesiologist Assistant					25								25
Athletic Training/Trainer										10		21	31
Audiology/Audiologist					26								26
Audiology/Audiologist and Speech-Language Pathology/Pathologist			52		72					58			182
Bioethics/Medical Ethics										1			1
Clinical Laboratory Science/Medical Technology/Technologist					26								26
Clinical/Medical Laboratory Assistant				38	17		5	22					82
Clinical/Medical Laboratory Science and Allied Professions, Other					2								2
Clinical/Medical Laboratory Technician					4								4
Community Health Services/Liaison/Counseling			18									16	34
Dental Assisting/Assistant	38	31	38	119	250	103			2			115	696
Dental Hygiene/Hygienist			9	19	68		18		20		16	79	229
Dental Laboratory Technology/Technician						10							10
Dental Services and Allied Professions, Other						8				2			10
Dentistry					64								64
Dietetics/Dietitian					43				27				70
Direct Entry Midwifery					16								16
Electrocardiograph Technology/Technician				21									21
Electroneurodiagnostic/Electroencephalographic Technology/Technologist					11								11
Emergency Medical Technology/Technician (EMT Paramedic)					30	34			11		1	3	79
Endodontics/Endodontology					4								4
Environmental Health					37								37
Family Practice Nurse/Nursing					43	10				2			55
Geriatric Nurse/Nursing					0								0
Health Aides/Attendants/Orderlies, Other	9			6	2							18	35
Health and Medical Administrative Services, Other				28	59		1					3	91
Health and Wellness, General					9					0			9
Health Information/Medical Records Technology/Technician		16	11	39	44	64	15					11	200
Health Professions and Related Clinical Sciences, Other		2		16	47								65
Health Unit Coordinator/Ward Clerk				66	15						29	4	114
Health/Health Care Administration/Management					76					12		27	115
Health/Medical Preparatory Programs, Other			28		18					6			52

► Health Professions Education - Completions

Hearing Instrument Specialist						7						17	24
Herbalism/Herbalist					10								10
Histologic Technician				15									15
Licensed Practical/Vocational Nurse Training	27	79	130	154	187	72	51	79	71	65	35	79	1029
Marriage and Family Therapy/Counseling					26	11							37
Massage Therapy/Therapeutic Massage	58		21	45	380	122	110				4	99	839
Medical Administrative/Executive Assistant and Medical Secretary	12	29	11	57	102	134	90		11	41	32	29	548
Medical Informatics					7								7
Medical Insurance Coding Specialist/Coder	53	15	24	111	108	82	86		22		16	22	539
Medical Insurance Specialist/Medical Biller				3	35	20						36	94
Medical Office Management/Administration	22			12	20			21	17			2	94
Medical Radiologic Technology/Science - Radiation Therapist			26		26	17			18			32	119
Medical Reception/Receptionist	10		20	32	34	54	22					15	187
Medical Transcription/Transcriptionist	5			39	4	1	7		2			10	68
Medical/Clinical Assistant	236		98	285	977	353	177	42	26	32	33	217	2476
Medical/Health Management and Clinical Assistant/Specialist					64								64
Medicinal and Pharmaceutical Chemistry					3								3
Medicine					211								211
Mental and Social Health Services and Allied Professions, Other	12	21	9	35	140	88					2	31	338
Mental Health Counseling/Counselor			4		3							8	15
Music Therapy/Therapist					1								1
Naturopathic Medicine/Naturopathy					104								104
Nuclear Medical Technology/Technologist					5								5
Nursing Administration					27								27
Nursing Assistant/Aide and Patient Care Assistant/Aide	1	143	165	275	488	208	223	189	36	199	51		1978
Nursing Education										2			2
Nursing Science										1			1
Occupational Therapist Assistant					92								92
Occupational Therapy/Therapist						37						29	66
Opticianry/Ophthalmic Dispensing Optician					12								12
Optometric Technician/Assistant					23							4	27
Oral Biology and Oral and Maxillofacial Pathology					4								4
Orthodontics/Orthodontology					5								5
Orthotist/Prosthetist					8							12	20
Osteopathic Medicine/Osteopathy									68				68
Pediatric Dentistry/Pedodontics					4								4
Pharmaceutics and Drug Design					15								15
Pharmacy					115					83			198
Pharmacy Administration and Pharmacy Policy and Regulatory Affairs					6								6

► Health Professions Education - Completions

Pharmacy Technician/Assistant	30		14	131	259	74	65		8			80	661
Phlebotomy Technician/Phlebotomist	1	1	32	57	385	157	35				17		685
Physical Therapy Technician/Assistant	14		40		66							16	136
Physical Therapy/Therapist					31	33						36	100
Physician Assistant					78								78
Polysomnography					13								13
Pre-Nursing Studies									14				14
Pre-Occupational Therapy Studies										4			4
Pre-Physical Therapy Studies			41							4			45
Prosthodontics/Prosthodontology					3								3
Psychiatric/Mental Health Services Technician				36									36
Public Health Education and Promotion					31				21				52
Public Health, General					127								127
Public Health, Other					8								8
Public Health/Community Nurse/Nursing					3								3
Radiation Protection/Health Physics Technician											4		4
Radiologic Technology/Science - Radiographer	1				60			24	2		13	20	120
Registered Nursing/Registered Nurse	120	127	194	194	1267	457	222	124	48	589	46	341	3729
Rehabilitation and Therapeutic Professions, Other					26								26
Respiratory Care Therapy/Therapist					36								36
Respiratory Therapy Technician/Assistant					38	16						17	71
Somatic Bodywork and Related Therapeutic Services, Other			9										9
Speech-Language Pathology/Pathologist			17		16							51	84
Substance Abuse/Addiction Counseling	36		18	35	52	1	14	10	12		2	12	192
Surgical Technology/Technologist			17	11	62				6		24	10	130
Therapeutic Recreation/Recreational Therapy												8	8
Traditional Chinese Medicine and Chinese Herbology					1								1
Veterinary Medicine										94			94
Veterinary Sciences/Veterinary Clinical Sciences, General										15			15
Veterinary/Animal Health Technology/Technician and Veterinary Assistant			14	26	303		1		14			10	368
Totals	685	464	1060	1934	7214	2173	1142	511	456	1220	329	1566	18754
WDC Region Number	1	2	3	4	5	6	7	8	9	10	11	12	Grand Total