Utah GME Retention Report

Utah Medical Education Council

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Academic Year 2013-2014

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Utah's GME Program Retention Summary

Academic Year 2013-2014

The current graduate medical education system in the U.S. involves the allocation of federal and private money to teaching hospitals in order to support medical school graduates in gaining the additional training necessary to become board-certified practitioners. This system is set up to 1) help hospitals offset the cost of training doctors, and 2) make sure that residents get the proper training to become highly competent physicians within the nation's healthcare workforce.

The *Utah Medical Education Council* (UMEC) works with Utah's Graduate Medical Education (GME) institutions to monitor the retention of GME-trained physicians in Utah. The retention of these graduates is vital to maintaining a competent and adequately dispersed physician workforce in Utah. Indeed, monitoring the distribution of these physicians by geography and specialty provides insight to GME programs to help them meet the needs of both their individual institution as well as the health of Utah's communities.

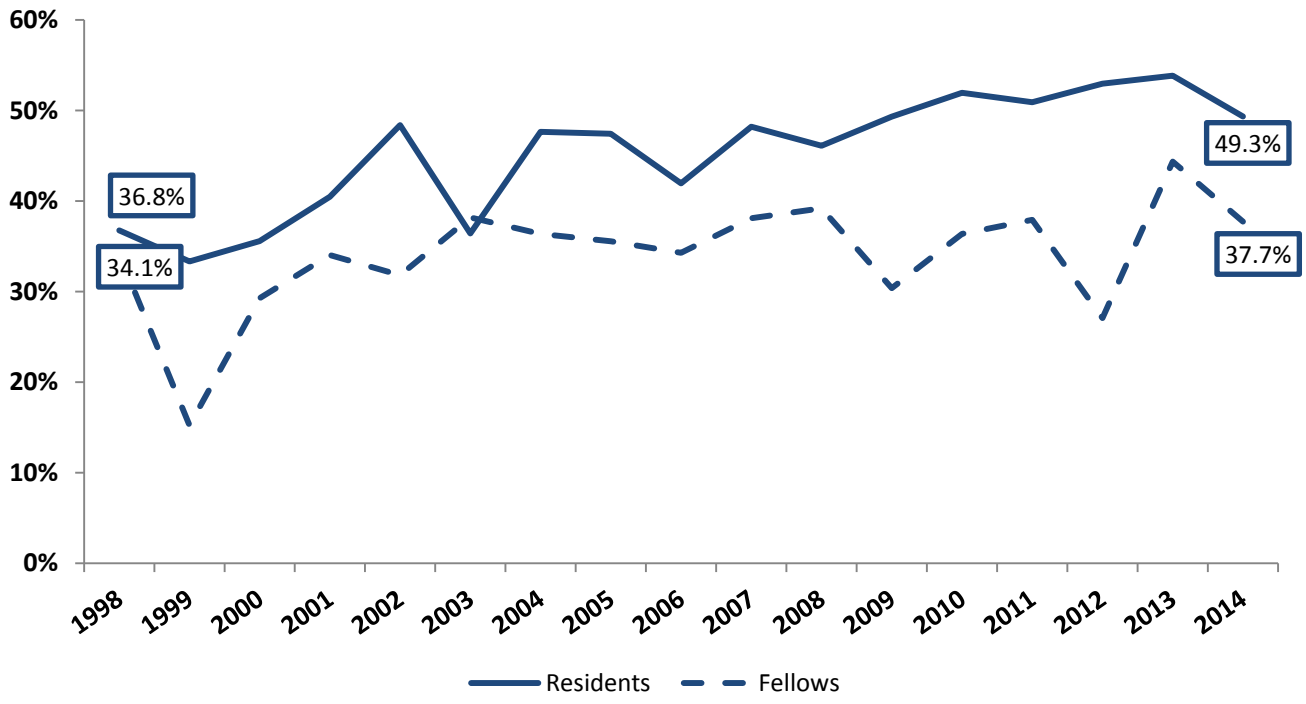
The retention rates are determined based on data received from the McKay Dee Family Medicine residency program, St. Mark's Family Medicine residency program, Utah Valley Family Medicine residency program, and the University of Utah GME office. In addition, the UMEC uses licensing data provided by the Utah Division of Occupational and Professional Licensing (DOPL), and works with each GME program in validating the accuracy of the information compiled by the UMEC.

Retention Formula

$$\frac{\text{Active Utah program graduate physicians, practicing, teaching or conducting research in Utah}}{\text{(Utah program graduates) - (Residents who are deceased)}}$$

- Retention is program specific.
- International Medical Graduates (IMGs) are included in the program graduate count.

Figure 1: Retention Rate of Utah Trained Residents & Fellows by Year (as of December 2014)



The above graph illustrates the percentage of each graduating cohort in terms of those individuals who were Utah trained (either in a residency or fellowship program) and who are actively practicing in Utah as of January 2015. Individuals who are deceased, did not graduate, or are not practicing in Utah as of January 2015 are excluded from the overall retention percentage.

Figure 2: Total Residents and Fellows Retained each Year (as of December 2014)

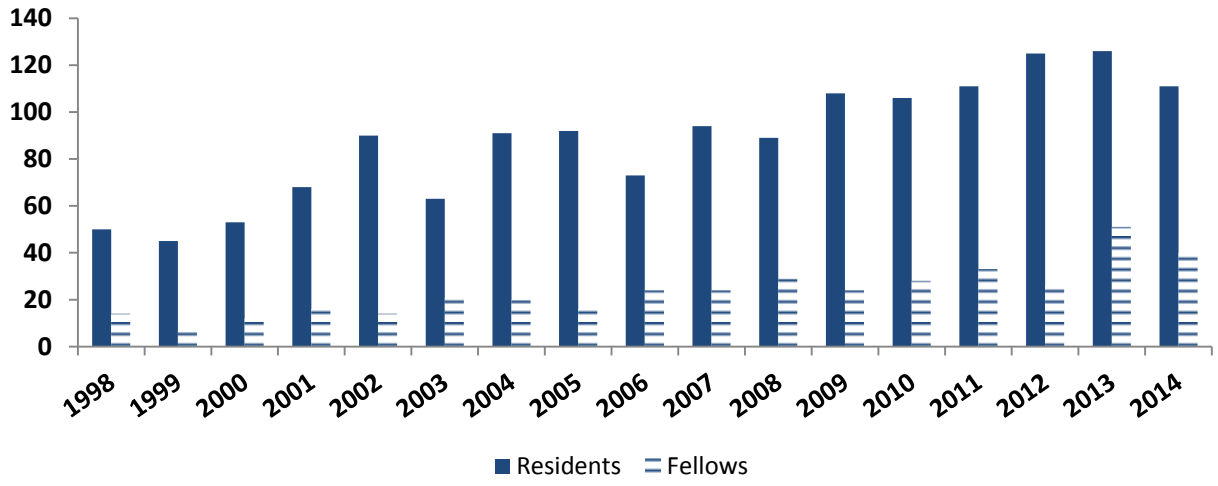


Table 1: Total Retention from 1998-2014 (as of December 2014)

Utah Trained Residents/Fellows	Residents/Fellows
Total Residencies/Fellowships Completed*	**4,371**
Unique Graduates**	4,138
Unique Active in Utah	1,778 *(43.0%)*

* This number includes the total number of residencies and fellowships that have been completed within Utah from 1998-2014. Residents/fellows who completed more than one program within Utah are counted as a graduate from each respective program.
** This is the total number of *unique* individuals who have completed a residency or fellowship in Utah from 1998-2014. Specifically, this number excludes counting residents/fellows who have completed more than one program as representing more than one resident/fellow. Thus, 4,138 individuals have completed 4,371 total residencies/fellowships in Utah from 1998-2014.

Table 2: UNIQUE Utah Trained Residents/Fellows Currently Practicing in the United States

Region*	Number of Utah Trained Residents	Number of Utah Trained Fellows
West**	2,261 (74.5%)	695 (63.1%)
South	306 (10.1%)	172 (15.6%)
Midwest	278 (9.2%)	149 (13.5%)
Northeast	113 (3.7%)	47 (4.2%)
TOTAL	**2,958 (97.4%)*** **	**1,063 (96.5%)**

* Regions here taken from the *Bureau of Labor Statistics.* See the Bureau's "Economy at a Glance" for region specific information.
**Includes Utah in region.
***Not all Utah trained residents/fellows are currently practicing within the United States. In addition, not all residents are practicing medicine at this time.

Table 3: Top Five States containing Utah Trained Resident/Fellows (1998-2014)

State	Number of Utah Trained Residents
California (West)	247
Washington (West)	194
Oregon (West)	171
Colorado (West)	157
Idaho (West)	148

Table 4: Total Retention by Specialty (Over last decade, 2005-2014)

Specialty	Residency (2005-2014)	Fellowship (2005-2014)
Adult Psychiatry	74.5%	100.0%
Anesthesiology	57.6%	42.3%
Child Psychiatry	64.3%	60.0%
Dental	45.5%	---
Dermatology	52.0%	---
Diagnostic Radiology	40.0%	36.4%
Emergency Medicine	45.6%	---
Family Medicine	66.3%	25.0%
General Surgery	39.70%	20.0%
General Surgery - PRELIM	63.2%	---
Internal Medicine	50.6%	42.9%
Internal Medicine - PRELIM	56.1%	----
Internal Medicine - PEDIATRICS	52.2%	---
Medical Genetics	---	75.0%
Neurology	60.5%	55.9%
Neurosurgery	4.8%	15.0%
OBGYN	50.9%	47.6%
Occupational Medicine	51.7%	---
Ophthalmology	42.9%	---
Orthopedics	31.9%	16.9%
Otolaryngology	23.1%	0.0%
Pathology	44.4%	40.0%
Pediatrics	52.2%	35.9%
Physical Rehabilitation	38.6%	---
Plastic Surgery	8.7%	0.0%
Podiatry	45.5%	---
Radiation Oncology	5.9%	---
Transitional Year	29.7%	----
Triple Board	53.8%	---
Urology	10.0%	---

Table 5: Total Retention (5 year intervals, 2005-2014)

Period	Total Graduates	Retained in Utah (2014)	Percent Retained
2005-2009	1,306	573	43.9%
2006-2010	1,348	599	44.4%
2007-2011	1,409	646	45.8%
2008-2012	1,483	679	45.8%
2009-2013	1,565	738	47.2%
2010-2014	1,598	757	47.4%
AVERAGE	**1,452**	**665**	**45.7%**

Table 6: 2011-2014 Residency Retention Changes by Specialty

Specialty Program	Residency Program 2011	Residency Program 2012	Residency Program 2013	Residency Program 2014	% Change 2013-14	Trend line
Adult Psychiatry	50.0%	70.0%	80.0%	100.0%	20.0%	
Anesthesiology	71.4%	57.1%	62.5%	50.0%	-12.5%	
Child Psychiatry	66.7%	100.0%	66.7%	100.0%	33.3%	
Dental	50.0%	36.4%	60.0%	30.0%	-30.0%	
Dermatology	33.3%	100.0%	66.7%	50.0%	-16.7%	
Diagnostic Radiology	50.0%	66.7%	50.0%	50.0%	0.0%	
Emergency Medicine	12.5%	55.6%	44.4%	50.0%	5.6%	
Family Medicine Programs	72.0%	52.0%	66.7%	58.3%	-8.3%	
Family Medicine U of U	57.1%	50.0%	55.6%	83.3%	27.8%	
Family Medicine St. Marks	66.7%	0.0%	80.0%	40.0%	-40.0%	
Family Medicine Utah Valley	100.0%	71.4%	57.1%	57.1%	0.0%	
Family Medicine McKay Dee	66.7%	66.7%	83.3%	50.0%	-33.3%	
General Surgery (No Prelim)	50.0%	12.5%	33.3%	16.7%	-16.7%	
Internal Medicine (No Prelim)	66.7%	59.3%	64.7%	42.5%	-22.2%	
Internal Med- Peds	25.0%	60.0%	50.0%	0.0%	-50.0%	
Neurology	80.0%	60.0%	80.0%	40.0%	-40.0%	
Neurosurgery	33.3%	0.0%	0.0%	---	---	
OBGYN	60.0%	42.9%	60.0%	57.1%	-2.9%	
Occupational Medicine	100.0%	50.0%	40.0%	0.0%	-40.0%	
Ophthalmology	66.7%	66.7%	33.3%	66.7%	33.3%	
Orthopedics	50.0%	66.7%	0.0%	0.0%	0.0%	
Otolaryngology	0.0%	33.3%	50.0%	0.0%	-50.0%	
Pathology	40.0%	57.1%	50.0%	50.0%	0.0%	
Pediatrics	47.6%	39.3%	72.7%	54.5%	-18.2%	
Physical Rehabilitation	16.7%	25.0%	57.1%	0.0%	-57.1%	
Plastic Surgery	0.0%	100.0%	0.0%	0.0%	0.0%	
Podiatry	25.0%	60.0%	40.0%	66.7%	26.7%	
Radiation Oncology	0.0%	0.0%	0.0%	0.0%	0.0%	
Triple Board	66.7%	100.0%	---	---	---	
Transitional Year LDS	41.7%	25.0%	8.3%	25.0%	16.7%	
Urology	0.0%	0.0%	0.0%	0.0%	0.0%	

Retention by Specialty

Adult Psychiatry – Residency and Fellowship Graduates

Table 7: Adult Psychiatry Retention (5 year periods), 2005-2014

	Residency			Fellowship		
Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	25	19	76.0%	0	0	---
2006-2010	25	18	72.0%	0	0	---
2007-2011	25	18	72.0%	0	0	---
2008-2012	29	21	72.4%	0	0	---
2009-2013	31	23	74.2%	2	2	100.0%
2010-2014	30	22	73.3%	2	2	100.0%
AVERAGE	**28**	**20**	**73.3%**	**1**	**1**	**100.0%**

Table 8: Annual Adult Psychiatry Retention, 2005-2014

	Residency			Fellowship		
Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	4	3	75.0%	0	0	---
2006	4	2	50.0%	0	0	---
2007	6	4	66.7%	0	0	---
2008	3	2	66.7%	0	0	---
2009	8	8	100.0%	0	0	---
2010	4	2	50.0%	0	0	---
2011	4	2	50.0%	0	0	---
2012	10	7	70.0%	0	0	---
2013	5	4	80.0%	2	2	100.0%
2014	7	7	100.0%	0	0	---
TOTAL	**55**	**41**	**74.5%**	**2**	**2**	**100.0%**

** Fellowship programs contain: *Addiction Psychiatry*

Anesthesiology – Residency and Fellowship Graduates

Table 9: Anesthesiology Retention (5 year periods), 2005-2014

	Residency			Fellowship		
Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	56	30	53.6%	10	5	50.0%
2006-2010	54	30	55.6%	13	4	30.8%
2007-2011	58	35	60.3%	13	3	23.1%
2008-2012	61	35	57.4%	14	2	14.3%
2009-2013	67	40	59.7%	16	6	37.5%
2010-2014	69	42	60.9%	16	6	37.5%
AVERAGE	**61**	**35**	**58.1%**	**14**	**4**	**31.7%**

Table 10: Annual Anesthesiology Retention, 2005-2014

	Residency			Fellowship		
Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	13	7	53.8%	1	1	100.0%
2006	10	5	50.0%	2	2	100.0%
2007	11	8	72.7%	2	1	50.0%
2008	10	5	50.0%	2	0	0.0%
2009	12	5	41.7%	3	1	33.3%
2010	11	7	63.6%	4	0	0.0%
2011	14	10	71.4%	2	1	50.0%
2012	14	8	57.1%	3	0	0.0%
2013	16	10	62.5%	4	4	100.0%
2014	14	7	50.0%	3	1	33.3%
TOTAL	**125**	**72**	**57.6%**	**26**	**11**	**42.3%**

** Fellowship programs contain: *Anesthesia Pain Management* and *Pain Medicine*

Child Psychiatry – Residency and Fellowship Graduates

Table 11: Child Psychiatry Retention (5 year periods), 2005-2014

	Residency			Fellowship		
Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	3	1	33.3%	4	2	50.0%
2006-2010	3	1	33.3%	4	2	50.0%
2007-2011	6	3	50.0%	2	1	50.0%
2008-2012	6	4	66.7%	2	1	50.0%
2009-2013	9	6	66.7%	2	1	50.0%
2010-2014	11	8	72.7%	1	1	100.0%
AVERAGE	**6**	**4**	**60.5%**	**3**	**1**	**53.3%**

Table 12: Annual Child Psychiatry Retention, 2005-2014

	Residency			Fellowship		
Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	2	1	50.0%	0	0	---
2006	0	0	---	2	1	50.0%
2007	1	0	0.0%	0	0	---
2008	0	0	---	0	0	---
2009	0	0	---	2	1	50.0%
2010	2	1	50.0%	0	0	---
2011	3	2	66.7%	0	0	---
2012	1	1	100.0%	0	0	---
2013	3	2	66.7%	0	0	---
2014	2	2	100.0%	1	1	100.0%
TOTAL	**14**	**9**	**64.3%**	**5**	**3**	**60.0%**

** Fellowship programs contain: *Child Psychiatry*

Dental – Residency Graduates Only

Table 13: Dentistry Retention (5 year periods), 2005-2014

Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	50	23	46.0%
2006-2010	50	25	50.0%
2007-2011	50	27	54.0%
2008-2012	51	27	52.9%
2009-2013	51	27	52.9%
2010-2014	51	23	45.1%
AVERAGE	**51**	**25**	**50.2%**

Table 14: Annual Dentistry Retention, 2005-2014

Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	10	3	30.0%
2006	10	3	30.0%
2007	10	4	40.0%
2008	10	6	60.0%
2009	10	7	70.0%
2010	10	5	50.0%
2011	10	5	50.0%
2012	11	4	36.4%
2013	10	6	60.0%
2014	10	3	30.0%
TOTAL	**101**	**46**	**45.5%**

Dermatology – Residency Graduates Only

Table 15: Dermatology Retention (5 year periods), 2005-2014

Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	12	5	41.7%
2006-2010	12	6	50.0%
2007-2011	12	7	58.3%
2008-2012	11	7	63.6%
2009-2013	12	8	66.7%
2010-2014	13	8	61.5%
AVERAGE	**12**	**7**	**56.9%**

Table 16: Annual Dermatology Retention, 2005-2014

Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	2	1	50.0
2006	3	0	0.0
2007	2	1	50.0
2008	2	1	50.0
2009	3	2	66.7
2010	2	2	100.0
2011	3	1	33.3
2012	1	1	100.0
2013	3	2	66.7
2014	4	2	50.0
TOTAL	**25**	**13**	**52.0%**

Diagnostic Radiology – Residency and Fellowship Graduates

Table 17: Diagnostic Radiology Retention (5 year periods), 2005-2014

	Residency			Fellowship		
Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	25	6	24.0%	19	5	26.3%
2006-2010	25	7	28.0%	20	6	30.0%
2007-2011	28	10	35.7%	19	5	26.3%
2008-2012	29	13	44.8%	23	5	21.7%
2009-2013	29	14	48.3%	23	8	34.8%
2010-2014	30	16	53.3%	25	11	44.0%
AVERAGE	**28**	**11**	**39.8%**	**22**	**7**	**31.0%**

Table 18: Annual Diagnostic Radiology Retention, 2005-2014

	Residency			Fellowship		
Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	6	2	33.3%	3	0	0.0%
2006	3	0	0.0%	5	2	40.0%
2007	5	1	20.0%	3	2	66.7%
2008	6	2	33.3%	5	1	20.0%
2009	5	1	20.0%	3	0	0.0%
2010	6	3	50.0%	4	1	25.0%
2011	6	3	50.0%	4	1	25.0%
2012	6	4	66.7%	7	2	28.6%
2013	6	3	50.0%	5	4	80.0%
2014	6	3	50.0%	5	3	60.0%
TOTAL	**55**	**22**	**40.0%**	**44**	**16**	**36.4%**

** Fellowship programs contain: *Neurointerventional Surgery*, *Vascular/Interventional Radiology*, *Neuroradiology*, and *Nuclear Radiology*.

Emergency Medicine – Residency Graduates Only

Table 19: Emergency Medicine Retention (5 year periods), 2005-2014

Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	16	8	50.0%
2006-2010	23	12	52.2%
2007-2011	31	13	41.9%
2008-2012	40	18	45.0%
2009-2013	41	17	41.5%
2010-2014	41	18	43.9%
AVERAGE	**32**	**14**	**44.8%**

Table 20: Annual Emergency Medicine Retention, 2005-2014

Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	0	0	---
2006	0	0	---
2007	0	0	---
2008	8	5	62.5%
2009	8	3	37.5%
2010	7	4	57.1%
2011	8	1	12.5%
2012	9	5	55.6%
2013	9	4	44.4%
2014	8	4	50.0%
TOTAL	**57**	**26**	**45.6%**

Family Medicine – Residency and Fellowship for ALL Programs

Table 21: Family Medicine Retention (5 year periods), 2005-2014

	Residency			Fellowship		
Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	130	87	66.9%	18	6	33.3%
2006-2010	126	90	71.4%	17	5	29.4%
2007-2011	126	89	70.6%	14	5	35.7%
2008-2012	123	86	69.9%	16	5	31.3%
2009-2013	126	86	68.3%	23	6	26.1%
2010-2014	125	82	65.6%	26	5	19.2%
AVERAGE	**126**	**87**	**68.8%**	**19**	**5**	**28.1%**

Table 22: Annual Family Medicine Retention, 2005-2014

	Residency			Fellowship		
Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	28	16	57.1%	4	2	50.0%
2006	25	19	76.0%	4	0	0.0%
2007	28	16	57.1%	3	0	0.0%
2008	24	18	75.0%	4	2	50.0%
2009	25	18	72.0%	3	2	66.7%
2010	24	19	79.2%	3	1	33.3%
2011	25	18	72.0%	1	0	0.0%
2012	25	13	52.0%	5	0	0.0%
2013	27	18	66.7%	11	3	27.3%
2014	24	14	58.3%	6	1	16.7%
TOTAL	**255**	**169**	**66.3%**	**44**	**11**	**25.0%**

** Fellowship programs contain: *Family Medicine (OBGYN)* and *Sports Medicine*

Family Medicine Cont. – Residents by Program

Table 23: Utah Valley: Family Medicine Retention (5 year periods), 2005-2014

Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	30	22	73.3%
2006-2010	29	21	72.4%
2007-2011	29	23	79.3%
2008-2012	30	24	70.0%
2009-2013	32	24	75.0%
2010-2014	32	22	68.8%
AVERAGE	**30**	**23**	**74.7%**

Table 24: Utah Valley: Annual Family Medicine Retention, 2005-2014

Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	6	4	66.7%
2006	6	4	66.7%
2007	6	4	66.7%
2008	5	4	80.0%
2009	7	6	85.7%
2010	5	3	60.0%
2011	6	6	100.0%
2012	7	5	71.4%
2013	7	4	57.1%
2014	7	4	57.1%
TOTAL	**62**	**44**	**71.0%**

Family Medicine Cont. – Residents by Program

Table 25: University of Utah: Family Medicine Retention (5 year periods), 2005-2014

Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	49	29	59.2%
2006-2010	44	30	68.2%
2007-2011	41	27	65.9%
2008-2012	38	26	68.4%
2009-2013	40	26	65.0%
2010-2014	37	24	64.9%
AVERAGE	**42**	**27**	**65.1%**

Table 26: University of Utah: Annual Family Medicine Retention, 2005-2014

Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	12	5	41.7%
2006	10	7	70.0%
2007	11	5	45.5%
2008	7	5	71.4%
2009	9	7	77.8%
2010	7	6	85.7%
2011	7	4	57.1%
2012	8	4	50.0%
2013	9	5	55.6%
2014	6	5	83.3%
TOTAL	**86**	**53**	**61.6%**

Family Medicine Cont. – Residents by Program

Table 27: St. Mark's: Family Medicine Retention (5 year periods), 2005-2014

Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	21	17	81.0%
2006-2010	23	18	78.3%
2007-2011	26	19	73.1%
2008-2012	25	16	64.0%
2009-2013	24	16	66.7%
2010-2014	26	15	57.7%
AVERAGE	**24**	**17**	**69.7%**

Table 28: St. Mark's: Annual Family Medicine Retention, 2005-2014

Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	4	4	100.0%
2006	3	3	100.0%
2007	5	3	60.0%
2008	6	4	66.7%
2009	3	3	100.0%
2010	6	5	83.3%
2011	6	4	66.7%
2012	4	0	0.0%
2013	5	4	80.0%
2014	5	2	40.0%
TOTAL	**47**	**32**	**68.1%**

Family Medicine Cont. – Residents by Program

Table 29: McKay Dee: Family Medicine Retention (5 year periods), 2005-2014

Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	30	19	63.3%
2006-2010	30	21	70.0%
2007-2011	30	20	66.7%
2008-2012	30	20	66.7%
2009-2013	30	20	66.7%
2010-2014	30	21	70.0%
AVERAGE	**30**	**20**	**67.2%**

Table 30: McKay Dee: Annual Family Medicine Retention, 2005-2014

Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	6	3	50.0%
2006	6	5	83.3%
2007	6	4	66.7%
2008	6	5	83.3%
2009	6	2	33.3%
2010	6	5	83.3%
2011	6	4	66.7%
2012	6	4	66.7%
2013	6	5	83.3%
2014	6	3	50.0%
TOTAL	**60**	**40**	**66.7%**

General Surgery – Residency and Fellowship Graduates

Table 31: General Surgery Retention (5 year periods), 2005-2014

	Residency			Fellowship		
Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	31	16	51.6%	16	3	18.8%
2006-2010	29	14	48.3%	14	3	21.4%
2007-2011	33	15	45.5%	15	3	20.0%
2008-2012	36	13	36.1%	14	3	21.4%
2009-2013	42	13	31.0%	12	3	25.0%
2010-2014	42	13	31.0%	14	3	21.4%
AVERAGE	**36**	**14**	**39.4%**	**14**	**3**	**21.2%**

Table 32: Annual General Surgery Retention, 2005-2014

	Residency			Fellowship		
Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	10	5	50.0%	3	0	0.0%
2006	4	3	75.0%	4	2	50.0%
2007	5	3	60.0%	4	1	25.0%
2008	6	4	66.7%	4	0	0.0%
2009	6	1	16.7%	1	0	0.0%
2010	8	3	37.5%	1	0	0.0%
2011	8	4	50.0%	5	2	40.0%
2012	8	1	12.5%	3	1	33.3%
2013	12	4	33.3%	2	0	0.0%
2014	6	1	16.7%	3	0	0.0%
TOTAL	**73**	**29**	**39.7%**	**30**	**6**	**20.0%**

** Fellowship programs contain: *Vascular Surgery*, *Surgical Critical Care*, *Pediatric Surgery*, and *Cardiothoracic Surgery*.

General Surgery PRELIM– Residency Graduates Only

Table 33: General Surgery PRELIM Retention (5 year periods), 2005-2014

Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	8	4	50.0%
2006-2010	7	3	42.9%
2007-2011	7	3	42.9%
2008-2012	10	6	60.0%
2009-2013	11	6	54.5%
2010-2014	11	8	72.7%
AVERAGE	**9**	**5**	**55.6%**

Table 34: Annual General PRELIM Surgery Retention, 2005-2014

Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	2	1	50.0%
2006	1	0	0.0%
2007	1	1	100.0%
2008	1	1	100.0%
2009	3	1	33.3%
2010	1	0	0.0%
2011	1	0	0.0%
2012	4	4	100.0%
2013	2	1	50.0%
2014	3	3	100.0%
TOTAL	**19**	**12**	**63.2%**

** Residency programs contain: *Otolaryngology*, *Anesthesiology*, *General Surgery*, *Urology*, *Orthopedic Surgery*, *Diagnostic Radiology*, and *Plastic Surgery*.

Internal Medicine – Residency and Fellowship Graduates

Table 35: Internal Medicine Retention (5 year periods), 2005-2014

	Residency			Fellowship		
Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	154	71	46.1%	121	52	43.0%
2006-2010	151	69	45.7%	128	55	43.0%
2007-2011	151	73	48.3%	144	63	43.8%
2008-2012	147	78	53.1%	149	59	39.6%
2009-2013	152	88	57.9%	162	66	40.7%
2010-2014	156	86	55.1%	175	75	42.9%
AVERAGE	**152**	**78**	**51.0%**	**147**	**62**	**42.1%**

Table 36: Annual Internal Medicine Retention, 2005-2014

	Residency			Fellowship		
Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	31	15	48.4%	20	7	35.0%
2006	27	14	51.9%	23	9	39.1%
2007	31	11	35.5%	27	15	55.6%
2008	29	12	41.4%	26	11	42.3%
2009	36	19	52.8%	25	10	40.0%
2010	28	13	46.4%	27	10	37.0%
2011	27	18	66.7%	39	17	43.6%
2012	27	16	59.3%	32	11	34.4%
2013	34	22	64.7%	39	18	46.2%
2014	40	17	42.5%	38	19	50.0%
TOTAL	**310**	**157**	**50.6%**	**296**	**127**	**42.9%**

** Fellowship programs contain: *Infectious Disease, Hematology and Oncology, Gastroenterology, Cardiology, Interventional Cardiology, Cardiology Transplant, Pulmonary Disease and Critical Care Medicine, Cardiology/ Sleep Medicine, Rheumatology, Nephrology; Endocrinology, Diabetes and Metabolism; Geriatric Medicine, Sleep Medicine, Clinical Cardiac Electrophysiology, Bone Marrow Transplant, Advanced Cardiac Imaging, and Wilderness Medicine.*

Internal Medicine PRELIM and PEDIATRICS– Residency Graduates Only

Table 37: Internal Medicine PRELIM and PEDIATRICS Retention (5 year periods), 2005-2014

	PRELIM			PEDIATRICS		
Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	95	40	42.1%	7	5	71.4%
2006-2010	97	42	43.3%	8	5	62.5%
2007-2011	97	46	47.4%	10	5	50.0%
2008-2012	102	53	52.0%	14	7	50.0%
2009-2013	105	60	57.1%	16	8	50.0%
2010-2014	103	71	68.9%	16	7	43.8%
AVERAGE	**100**	**52**	**52.1%**	**12**	**6**	**52.1%**

Table 38: Annual Internal Medicine PRELIM and PEDIATRICS Retention, 2005-2014

	PRELIM			PEDIATRICS		
Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	18	10	55.6%	2	2	100.0%
2006	22	7	31.8%	2	1	50.0%
2007	18	11	61.1%	1	1	100.0%
2008	17	5	29.4%	0	0	---
2009	20	7	35.0%	2	1	50.0%
2010	20	12	60.0%	3	2	66.7%
2011	22	11	50.0%	4	1	25.0%
2012	23	18	78.3%	5	3	60.0%
2013	20	12	60.0%	2	1	50.0%
2014	18	18	100.0%	2	0	0.0%
TOTAL	**198**	**111**	**56.1%**	**23**	**12**	**52.2%**

** Residency programs contain: *Radiology, Pain Medicine, Dermatology, Anesthesiology, Ophthalmology, Neurology, Physical Med and Rehab, Diagnostic Radiology, Radiation Oncology, OBGYN, Occupational Medicine, Aerospace Medicine, General Practicioner, Internal Medicine, and Pediatrics.*

Medical Genetics – Fellowship Graduates Only

Table 39: Medical Genetics Retention (5 year periods), 2005-2014

Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	3	3	100.0%
2006-2010	2	2	100.0%
2007-2011	2	1	50.0%
2008-2012	1	0	0.0%
2009-2013	1	0	0.0%
2010-2014	1	0	0.0%
AVERAGE	**2**	**1**	**60.0%**

Table 40: Annual Medical Genetics Retention, 2005-2014

Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	1	1	100.0%
2006	1	1	100.0%
2007	1	1	100.0%
2008	0	0	---
2009	0	0	---
2010	0	0	---
2011	1	0	0.0%
2012	0	0	---
2013	0	0	---
2014	0	0	---
TOTAL	**4**	**3**	**75.0%**

Neurology – Residency and Fellowship Graduates

Table 41: Neurology Retention (5 year periods), 2005-2014

	Residency			Fellowship		
Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	19	10	52.6%	11	7	63.6%
2006-2010	18	11	61.1%	12	6	50.0%
2007-2011	23	15	65.2%	12	6	50.0%
2008-2012	24	15	62.5%	16	10	62.5%
2009-2013	24	17	70.8%	20	12	60.0%
2010-2014	24	16	66.7%	23	12	52.2%
AVERAGE	**22**	**14**	**63.6%**	**16**	**9**	**56.4%**

Table 42: Annual Neurology Retention, 2005-2014

	Residency			Fellowship		
Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	5	2	40.0%	2	2	100.0%
2006	0	0	---	2	1	50.0%
2007	4	3	75.0%	1	0	0.0%
2008	5	2	40.0%	3	2	66.7%
2009	5	3	60.0%	3	2	66.7%
2010	4	3	75.0%	3	1	33.3%
2011	5	4	80.0%	2	1	50.0%
2012	5	3	60.0%	5	4	80.0%
2013	5	4	80.0%	7	4	57.1%
2014	5	2	40.0%	6	2	33.3%
TOTAL	**43**	**26**	**60.5%**	**34**	**19**	**55.9%**

** Fellowship programs contain: *Clinical Neurophysiology*, *Child Neurology*, *Neurogenetics*, *Neuro Critical Care*, and *Vascular Neurology*.

Neurosurgery – Residency and Fellowship Graduates

Table 43: Neurosurgery Retention (5 year periods), 2005-2014

	Residency			Fellowship		
Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	12	0	0.0%	9	1	11.1%
2006-2010	12	0	0.0%	9	2	22.2%
2007-2011	13	1	7.7%	10	3	30.0%
2008-2012	11	1	9.1%	11	3	27.3%
2009-2013	11	1	9.1%	10	2	20.0%
2010-2014	9	1	11.1%	11	2	18.2%
AVERAGE	**11**	**1**	**5.9%**	**10**	**2**	**21.7%**

Table 44: Annual Neurosurgery Retention, 2005-2014

	Residency			Fellowship		
Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	2	0	0.0%	1	0	0.0%
2006	2	0	0.0%	2	0	0.0%
2007	3	0	0.0%	2	0	0.0%
2008	3	0	0.0%	3	1	33.3%
2009	2	0	0.0%	1	0	0.0%
2010	2	0	0.0%	1	1	100.0%
2011	3	1	33.3%	3	1	33.3%
2012	1	0	0.0%	3	0	0.0%
2013	3	0	0.0%	2	0	0.0%
2014	0	0	---	2	0	0.0%
TOTAL	**21**	**1**	**4.8%**	**20**	**3**	**15.0%**

** Fellowship programs contain: *Pediatric Neurosurgery*, *Spine*, *Skull Base*, and *Endovasc NeuroRadio*.

Obstetrics & Gynecology – Residency and Fellowship Graduates

Table 45: Obstetrics & Gynecology Retention (5 year periods), 2005-2014

	Residency			Fellowship		
Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	26	14	53.8%	6	3	50.0%
2006-2010	26	12	46.2%	9	5	55.6%
2007-2011	26	12	46.2%	10	7	70.0%
2008-2012	28	13	46.4%	13	7	53.8%
2009-2013	27	14	51.9%	15	7	46.7%
2010-2014	29	14	48.3%	15	7	46.7%
AVERAGE	**27**	**13**	**48.8%**	**11**	**6**	**52.9%**

Table 46: Annual Obstetrics & Gynecology Retention, 2005-2014

	Residency			Fellowship		
Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	5	3	60.0%	0	0	---
2006	5	3	60.0%	1	0	0.0%
2007	5	2	40.0%	0	0	---
2008	6	2	33.3%	2	2	100.0%
2009	5	4	80.0%	3	1	33.3%
2010	5	1	20.0%	3	2	66.7%
2011	5	3	60.0%	2	2	100.0%
2012	7	3	42.9%	3	0	0.0%
2013	5	3	60.0%	4	2	50.0%
2014	7	4	57.1%	3	1	33.3%
TOTAL	**55**	**28**	**50.9%**	**21**	**10**	**47.6%**

** Fellowship programs contain: *Reproductive Endocinology and Infertility*, *Maternal Petal Medicine*, and *OB Family Planning.*

Occupational Medicine – Residency Graduates Only

Table 47: Occupational Medicine Retention (5 year periods), 2005-2014

Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	14	8	57.1%
2006-2010	13	8	61.5%
2007-2011	12	8	66.7%
2008-2012	15	9	60.0%
2009-2013	17	9	52.9%
2010-2014	15	7	46.7%
AVERAGE	**14**	**8**	**57.0%**

Table 48: Annual Occupational Medicine Retention, 2005-2014

Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	3	1	33.3%
2006	3	2	66.7%
2007	1	1	100.0%
2008	3	2	66.7%
2009	4	2	50.0%
2010	2	1	50.0%
2011	2	2	100.0%
2012	4	2	50.0%
2013	5	2	40.0%
2014	2	0	0.0%
TOTAL	**29**	**15**	**51.7%**

** Residency programs contain: *Family Practice/Occupational Medicine*, *Physical Medicine & Rehab; Aerospace Medicine*, *Clinical Genetics*, *Internal Medicine*, *Occupational Medicine*, *Public Health; Otolaryngology*, *Preventative Medicine/Occupational Environmental Medicine*, and *Family Medicine.*

Ophthalmology – Residency Graduates Only

Table 49: Ophthalmology Retention (5 year periods), 2005-2014

Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	13	4	30.8%
2006-2010	14	5	35.7%
2007-2011	15	6	40.0%
2008-2012	15	7	46.7%
2009-2013	15	6	40.0%
2010-2014	15	8	53.3%
AVERAGE	**15**	**6**	**41.4%**

Table 50: Annual Ophthalmology Retention, 2005-2014

Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	2	0	0.0%
2006	2	1	50.0%
2007	3	1	33.3%
2008	3	2	66.7%
2009	3	0	0.0%
2010	3	1	33.3%
2011	3	2	66.7%
2012	3	2	66.7%
2013	3	1	33.3%
2014	3	2	66.7%
TOTAL	**28**	**12**	**42.9%**

Orthopedics – Residency and Fellowship Graduates

Table 51: Orthopedics Retention (5 year periods), 2005-2014

	Residency			Fellowship		
Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	23	7	30.4%	44	6	13.6%
2006-2010	25	8	32.0%	51	10	19.6%
2007-2011	25	10	40.0%	57	11	19.3%
2008-2012	27	13	48.1%	66	14	21.2%
2009-2013	26	12	46.2%	67	12	17.9%
2010-2014	24	8	33.3%	68	13	19.1%
AVERAGE	**25**	**10**	**38.7%**	**59**	**11**	**18.7%**

Table 52: Annual Orthopedics Retention, 2005-2014

	Residency			Fellowship		
Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	4	1	25.0%	5	1	20.0%
2006	4	0	0.0%	7	2	28.6%
2007	4	1	25.0%	8	0	0.0%
2008	5	1	20.0%	12	3	25.0%
2009	6	4	66.7%	12	0	0.0%
2010	6	2	33.3%	12	5	41.7%
2011	4	2	50.0%	13	3	23.1%
2012	6	4	66.7%	17	3	17.6%
2013	4	0	0.0%	13	1	7.7%
2014	4	0	0.0%	13	1	7.7%
TOTAL	**47**	**15**	**31.9%**	**112**	**19**	**16.9%**

** Fellowship programs contain: *Orthopedic Joint Surgery*, *Orthopedic Sarcoma*, *Pediatric Orthopedics*, *Orthopedic Spine Surgery*, *Orthopedic Sports Medicine*, *Orthopedic Spine Surgery/ Neurosurgery*, *Orthopedic Surgery- Hand*, and *Sarcoma Surgery*.

Otolaryngology – Residency and Fellowship Graduates

Table 53: Otolaryngology Retention (5 year periods), 2005-2014

	Residency			Fellowship		
Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	11	3	27.3%	1	0	0.0%
2006-2010	10	3	30.0%	1	0	0.0%
2007-2011	11	2	18.2%	0	0	---
2008-2012	12	2	16.7%	0	0	---
2009-2013	14	3	21.4%	0	0	---
2010-2014	15	3	20.0%	0	0	---
AVERAGE	**12**	**3**	**21.9%**	**0**	**0**	**0.0%**

Table 54: Annual Otolaryngology Retention, 2005-2014

	Residency			Fellowship		
Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	2	0	0.0%	0	0	---
2006	3	1	33.3%	1	0	0.0%
2007	2	1	50.0%	0	0	---
2008	2	1	50.0%	0	0	---
2009	2	0	0.0%	0	0	---
2010	1	0	0.0%	0	0	---
2011	4	0	0.0%	0	0	---
2012	3	1	33.3%	0	0	---
2013	4	2	50.0%	0	0	---
2014	3	0	0.0%	0	0	---
TOTAL	**26**	**6**	**23.1%**	**1**	**0**	**0.0%**

Pathology – Residency and Fellowship Graduates

Table 55: Pathology Retention (5 year periods), 2005-2014

	Residency			Fellowship		
Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	19	9	47.4%	27	11	40.7%
2006-2010	20	8	40.0%	33	13	39.4%
2007-2011	21	8	38.1%	36	14	38.9%
2008-2012	25	10	40.0%	40	17	42.5%
2009-2013	25	10	40.0%	46	18	39.1%
2010-2014	26	11	42.3%	43	17	39.5%
AVERAGE	**23**	**9**	**41.2%**	**38**	**15**	**40.0%**

Table 56: Annual Pathology Retention, 2005-2014

	Residency			Fellowship		
Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	3	1	33.3%	3	1	33.3%
2006	4	2	50.0%	2	0	0.0%
2007	3	2	66.7%	5	1	20.0%
2008	4	2	50.0%	4	3	75.0%
2009	5	2	40.0%	13	6	46.2%
2010	4	0	0.0%	9	3	33.3%
2011	5	2	40.0%	5	1	20.0%
2012	7	4	57.1%	9	4	44.4%
2013	4	2	50.0%	10	4	40.0%
2014	6	3	50.0%	10	5	50.0%
TOTAL	**45**	**20**	**44.4%**	**70**	**28**	**40.0%**

** Fellowship programs contain: *Molecular Genetic Pathology*, *Pediatric Pathology*, *Surgical Pathology*, *Cytopathology*, *Hematopathology*, *Medical Microbiology*, *Hematology/Oncology*, and *Gastrointestinal Pathology*.

Pediatrics – Residency and Fellowship Graduates

Table 57: Pediatrics Retention (5 year periods), 2005-2014

	Residency			Fellowship		
Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	93	44	47.3%	42	13	31.0%
2006-2010	100	52	52.0%	50	16	32.0%
2007-2011	108	57	52.8%	46	16	34.8%
2008-2012	113	55	48.7%	48	14	29.2%
2009-2013	117	63	53.8%	55	19	34.5%
2010-2014	116	65	56.0%	61	24	39.3%
AVERAGE	**108**	**56**	**51.9%**	**50**	**17**	**33.8%**

Table 58: Annual Pediatrics Retention, 2005-2014

	Residency			Fellowship		
Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	16	8	50.0%	2	1	50.0%
2006	13	5	38.5%	14	4	28.6%
2007	23	13	56.5%	7	3	42.9%
2008	18	8	44.4%	9	4	44.4%
2009	23	10	43.5%	10	1	10.0%
2010	23	16	69.6%	10	4	40.0%
2011	21	10	47.6%	10	4	40.0%
2012	28	11	39.3%	9	1	11.1%
2013	22	16	72.7%	16	9	56.3%
2014	22	12	54.5%	16	6	37.5%
TOTAL	**209**	**109**	**52.2%**	**103**	**37**	**35.9%**

** Fellowship programs contain: *Internal Medicine*, *Pediatric Critical Care*, *Pediatric Emergency Medicine*, *Pediatrics Neonatal-Perinatal*, *Pediatric Pulmonology*, *Pediatric Cardiology*, *Pediatric Neonatology*, *Pediatric Infectious Disease*, *Pediatric Gastroenterology*, *Pediatric Hematology/Oncology*, and *Pediatric Neurosurgery*.

Physical Rehabilitation – Residency Graduates Only

Table 59: Physical Rehabilitation Retention (5 year periods), 2005-2014

Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	20	10	50.0%
2006-2010	18	9	50.0%
2007-2011	22	9	40.9%
2008-2012	21	8	38.1%
2009-2013	24	10	41.7%
2010-2014	24	7	29.2%
AVERAGE	**22**	**9**	**41.1%**

Table 60: Annual Physical Rehabilitation Retention, 2005-2014

Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	4	2	50.0%
2006	2	1	50.0%
2007	5	2	40.0%
2008	4	2	50.0%
2009	5	3	60.0%
2010	2	1	50.0%
2011	6	1	16.7%
2012	4	1	25.0%
2013	7	4	57.1%
2014	5	0	0.0%
TOTAL	**44**	**17**	**38.6%**

Plastic Surgery – Residency Graduates Only

Table 61: Plastic Surgery Retention (5 year periods), 2005-2014

	Residency			Fellowship		
Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	11	0	0.0%	1	0	0.0%
2006-2010	11	0	0.0%	2	0	0.0%
2007-2011	11	0	0.0%	3	0	0.0%
2008-2012	11	2	18.2%	3	0	0.0%
2009-2013	9	2	22.2%	4	0	0.0%
2010-2014	8	2	25.0%	4	0	0.0%
AVERAGE	**10**	**1**	**9.8%**	**3**	**0**	**0.0%**

Table 62: Annual Plastic Surgery Retention, 2005-2014

	Residency			Fellowship		
Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	2	0	0.0%	0	0	---
2006	2	0	0.0%	0	0	---
2007	2	0	0.0%	0	0	
2008	3	0	0.0%	1	0	0.0%
2009	2	0	0.0%	0	0	---
2010	2	0	0.0%	1	0	0.0%
2011	2	0	0.0%	1	0	0.0%
2012	2	2	100.0%	0	0	---
2013	1	0	0.0%	2	0	0.0%
2014	1	0	0.0%	0	0	---
TOTAL	**34**	**7**	**20.6%**	**5**	**0**	**0.0%**

** Fellowship programs contain: *Craniofacial and Plastic/Reconstructive Breast Surgery*

Podiatry – Residency Graduates Only

Table 63: Podiatry Retention (5 year periods), 2005-2014

Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	20	7	35.0%
2006-2010	19	8	42.1%
2007-2011	18	8	44.4%
2008-2012	19	9	47.4%
2009-2013	21	10	47.6%
2010-2014	24	13	54.2%
AVERAGE	**20**	**9**	**45.5%**

Table 64: Annual Podiatry Retention, 2005-2014

Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	5	2	40.0%
2006	5	1	20.0%
2007	4	2	50.0%
2008	3	1	33.3%
2009	3	1	33.3%
2010	4	3	75.0%
2011	4	1	25.0%
2012	5	3	60.0%
2013	5	2	40.0%
2014	6	4	66.7%
TOTAL	**44**	**20**	**45.5%**

Radiation Oncology – Residency Graduates Only

Table 65: Radiation Oncology Retention (5 year periods), 2005-2014

Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	7	1	14.3%
2006-2010	10	1	10.0%
2007-2011	8	1	12.5%
2008-2012	9	1	11.1%
2009-2013	7	0	0.0%
2010-2014	10	0	0.0%
AVERAGE	**9**	**1**	**7.8%**

Table 66: Annual Radiation Oncology Retention, 2005-2014

Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	0	0	---
2006	3	0	0.0%
2007	1	0	0.0%
2008	3	1	33.3%
2009	0	0	---
2010	3	0	0.0%
2011	1	0	0.0%
2012	2	0	0.0%
2013	1	0	0.0%
2014	3	0	0.0%
TOTAL	**17**	**1**	**5.9%**

Transitional Year

Table 67: Transitional Year Retention (5 year periods), 2005-2014

Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	58	19	32.8%
2006-2010	60	18	30.0%
2007-2011	60	20	33.3%
2008-2012	60	20	33.3%
2009-2013	60	17	28.3%
2010-2014	60	16	26.7%
AVERAGE	**60**	**18**	**30.7%**

Table 68: Transitional Year Retention (5 year periods), 2005-2014

Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	10	5	50.0%
2006	12	3	25.0%
2007	12	3	25.0%
2008	12	4	33.3%
2009	12	4	33.3%
2010	12	4	33.3%
2011	12	5	41.7%
2012	12	3	25.0%
2013	12	1	8.3%
2014	12	3	25.0%
TOTAL	**118**	**35**	**29.7%**

** Internship programs contain: *Anesthesiology*, *Dermatology*, *Radiology Oncology*, *Diagnostic Radiology*, *Ophthalmology*, *Emergency Medicine*, *Physical Medicine and Rehabilitation*, *and Otolaryngology.*

Triple Board– Residency Graduates Only

Table 69: Triple Board Retention (5 year periods), 2005-2014

Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	7	3	42.9%
2006-2010	8	3	37.5%
2007-2011	10	5	50.0%
2008-2012	9	5	55.6%
2009-2013	8	5	62.5%
2010-2014	6	4	66.7%
AVERAGE	**8**	**4**	**52.1%**

Table 70: Annual Triple Board Retention, 2005-2014

Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	1	1	100.0%
2006	1	0	0.0%
2007	2	1	50.0%
2008	1	0	0.0%
2009	2	1	50.0%
2010	2	1	50.0%
2011	3	2	66.7%
2012	1	1	100.0%
2013	0	0	---
2014	0	0	---
TOTAL	**13**	**7**	**53.8%**

Urology – Residency Graduates Only

Table 71: Urology Retention (5 year periods), 2005-2014

Period	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005-2009	10	2	20.0%
2006-2010	10	2	20.0%
2007-2011	10	2	20.0%
2008-2012	10	1	10.0%
2009-2013	10	1	10.0%
2010-2014	10	0	0.0%
AVERAGE	**10**	**1**	**13.3%**

Table 72: Annual Urology Retention, 2005-2014

Year	Total Graduates	Retained in Utah (2014)	% Retained in Utah (2014)
2005	2	0	0.0%
2006	2	0	0.0%
2007	2	1	50.0%
2008	2	0	0.0%
2009	2	1	50.0%
2010	2	0	0.0%
2011	2	0	0.0%
2012	2	0	0.0%
2013	2	0	0.0%
2014	2	0	0.0%
TOTAL	**20**	**2**	**10.0%**