

the
2006
REPORT CARD



WEST VIRGINIA
HIGHER EDUCATION
POLICY COMMISSION

HIGHER EDUCATION POLICY COMMISSION
HEALTH SCIENCES AND RURAL HEALTH

HIGHLIGHTS IN 2006

- 39% of West Virginia's recent medical school graduates are staying in the state after completing residency training.
- Retention of state medical school graduates who complete residency training in West Virginia is even higher – 74% in primary care fields such as family practice.
- In the past 10 years, the greatest change has been in retention of medical graduates in primary care fields. Their numbers have increased from 168 to 285, a gain of 70%.
- Retention in other health sciences fields was 24 graduates (60%) in dentistry and 41 graduates (55%) in pharmacy.
- The Health Sciences & Technology Academy (HSTA), a health career pathway program, is active in 26 counties. The college-going rate for HSTA graduates is 98%. The majority of HSTA graduates are still in college, but 56 have gone on to graduate or professional school and 10 are currently in medical school.
- This year, the Rural Health Education Partnerships (RHEP) provided 74,326 community service contacts, such as health fairs, health screenings, weight management, immunization clinics, and oral hygiene.
- This year RHEP dental and dental hygiene students provided 14,280 clinical procedures and 448 outreach activities. RHEP dental sites provided almost \$2.2 million in uncompensated care.
- The CARDIAC Project is providing screening and intervention programs to 5th graders in 54 counties. Since 1998, the program has screened over 40,000 5th graders. Since 2001, the program has screened over 2,000 kindergarten students, over 600 2nd graders, and 700 9th graders.
- In 1991 West Virginia began developing rural training sites for health professions students. Since then, 820 graduates in health fields, including 213 physicians, began and continue to practice in rural West Virginia. Other fields include 92 nurse practitioners, 131 physician assistants, 80 dentists, and 157 pharmacists.
- State scholarships and loan repayment are helping to recruit rural providers – 42% of the physicians, 42% of the nurse practitioners, and 33% of the physician assistants recruited since 1991 and still practicing in rural West Virginia.
- In the past 8 years, the number of physicians who participated in the RHEP program and are now in rural practice increased from 88 to 213, an increase of 142%, or an average annual rate of 13.5%.

TABLE OF CONTENTS

	MEDICAL SCHOOL ENROLLMENT
1	West Virginia University Health Sciences Center
2	Marshall University School of Medicine
3	West Virginia School of Osteopathic Medicine
	MEDICAL SCHOOL GRADUATES
4	Performance on Medical Licensure Exams
4	Primary Care Trends
	RETENTION
5	West Virginia Medical School Graduates from 1996-2001 Practicing in West Virginia
6	West Virginia Medical School Graduates, Ten Year Trend
7	WV Medical Graduates, 1996-2001, In All Specialties
8	WV Medical Graduates, 1996-2001, In Primary Care
9	WV Medical Graduates, 1996-2001, In Non-Urban Areas
10	WV Medical Graduates Completing WV Primary Care Residencies
10	WV Medical Graduates Completing Out-of-State Primary Care Residencies
11	Health Sciences Graduates, 2002-2006
12	MEDICAL SCHOOL INDEBTEDNESS
	SCHOLARSHIPS AND LOANS
13	Health Sciences Scholarship Participants Practicing in Rural WV
13	Medical Student Loan Program
	HEALTH CAREER PATHWAY
14	Health Sciences and Technology Academy
15	WEST VIRGINIA RURAL HEALTH EDUCATION PARTNERSHIPS
16	FIELD FACULTY AND TRAINING SITES
17-18	TRAINING CONSORTIA INFRASTRUCTURE
19-20	TRAINING CONSORTIA EXPENDITURES
	STUDENT ROTATIONS
21	Rotations by County: June 1, 2005 - May 31, 2006
22	RHEP Rotations by Year/Discipline
22	RHEP Student Weeks by Year/Discipline
23	Rotations by School/Discipline: June 1, 2005 - May 31, 2006
	COMMUNITY SERVICE CONTACTS
24	Contacts by Consortium: June 1, 2005 - May 31, 2006
	RECRUITMENT
25	Health Professionals with RHEP Rotations Practicing in Rural Areas of the State
25	Recruitment Incentives for Rural Practice
26	Physicians with RHEP Rotations Practicing in Rural Areas, Eight Year Trend
27	Physicians with RHEP Rotations Practicing in Rural Areas in 2006

MEDICAL SCHOOL ENROLLMENT

West Virginia University Health Sciences Center

	2001-02	2002-03	2003-04	2004-05	2005-06
Applicants					
In-State	241	223	228	189	187
Out-of-State	546	513	617	865	933
Total	787	736	845	1,054	1,120
Acceptances Issued					
In-State	104	108	116	90	88
Out-of-State	15	22	48	73	79
Total	119	130	164	163	167
First Year New Enrollment					
In-State	81	87	82	66	43
Out-of-State	9	12	28	35	55
Total	90	99	110	101	98
<i>Entering Class Data</i>					
Mean GPA	3.7	3.7	3.7	3.7	3.7
Mean MCAT Scores					
Biology/Biological Sciences	9.5	8.8	9.4	9.2	9.6
Physics/Physical Sciences	9.2	8.9	8.7	8.7	9.2
Reading/Verbal Reasoning	9.0	9.4	9.1	8.9	9.0
Median Writing Sample	O	N	O	NA	O
Total Medical Students	349	375	376	391	424

commentary

Average scores for the Medical College Admission test (MCAT) are reported as “means” for the multiple-choice sections and “medians” for the Writing Sample. Test Scores on the multiple-choice sections are on a scale of 1-15 and, on the Writing Sample, a scale of J-T. The national averages for students entering allopathic medical schools in 2005-06 were:

Biological Sciences: 10.4
 Physical Sciences: 10.1
 Verbal Reasoning: 9.7
 Writing Sample: P

The national mean GPA was 3.56

Source: Association of American Medical Colleges.



MEDICAL SCHOOL ENROLLMENT

Marshall University School of Medicine

	2001-02	2002-03	2003-04	2004-05	2005-06
Applicants					
In-State	228	197	209	180	167
Out-of-State	558	499	502	539	618
Total	786	696	711	719	785
Acceptances Issued					
In-State	86	93	85	80	83
Out-of-State	9	8	11	16	19
Total	95	101	96	96	102
First Year New Enrollment					
In-State	45	45	47	43	50
Out-of-State	3	3	6	9	10
Total	48	48	53	52	60
<i>Entering Class Data</i>					
Mean GPA	3.5	3.6	3.5	3.5	3.5
Mean MCAT Scores					
Biology/Biological Sciences	8.8	9.2	8.9	9.2	8.9
Physics/Physical Sciences	8.6	8.4	8.7	8.4	8.2
Reading/Verbal Reasoning	9.5	8.9	8.9	9.2	9.1
Median Writing Sample	P	P	O	O	O
Total Medical Students	198	194	199	200	211

commentary

Average scores for the Medical College Admission test (MCAT) are reported as “means” for the multiple-choice sections and “medians” for the Writing Sample. Test Scores on the multiple-choice sections are on a scale of 1-15 and, on the Writing Sample, a scale of J-T. The national averages for students entering allopathic medical schools in 2005-06 were:

Biological Sciences: 10.4
 Physical Sciences: 10.1
 Verbal Reasoning: 9.7
 Writing Sample: P

The national mean GPA was 3.56

Source: Association of American Medical Colleges.



MEDICAL SCHOOL ENROLLMENT

West Virginia School of Osteopathic Medicine

	2001-02	2002-03	2003-04	2004-05	2005-06
Applicants					
In-State	171	146	156	138	123
Out-of-State	1,237	1,226	1,276	1,362	1,512
Total	1,408	1,372	1,432	1,500	1,635
Acceptances Issued					
In-State	68	66	79	71	60
Out-of-State	81	113	188	237	250
Total	149	179	267	308	310
First Year New Enrollment					
In-State	54	51	50	53	50
Out-of-State	26	30	53	52	61
Total	80	81	103	105	111
<i>Entering Class Data</i>					
Mean GPA	3.5	3.5	3.4	3.4	3.4
Mean MCAT Scores					
Biology/Biological Sciences	7.4	7.4	7.5	8.1	7.4
Physics/Physical Sciences	7.0	6.8	7.0	6.9	7.4
Reading/Verbal Reasoning	7.9	7.8	7.8	7.4	7.8
Median Writing Sample	N/A	N/A	N/A	N/A	N/A
Total Medical Students	296	306	336	363	397

commentary

Average scores for the Medical College Admission test (MCAT) are reported as “means” for the multiple-choice sections and “medians” for the Writing Sample. Test Scores on the multiple-choice sections are on a scale of 1-15 and, on the Writing Sample, a scale of J-T. The national averages for students entering osteopathic medical schools in 2005-06 were:

Biological Sciences: 8.6
 Physical Sciences: 8.0
 Verbal Reasoning: 8.3
 Writing Sample: 0

The national mean GPA was 3.44

Source: The American Association of Colleges of Osteopathic Medicine.



Number of Examinees/Number Passing US Medical Licensing Exam, Step 3

	2001-02	2002-03	2003-04	2004-05	2005-06
West Virginia University	65/65 (100%)	69/65 (94%)	71/68 (96%)	69/68 (99%)	81/79 (98%)
Marshall University	50/47 (94%)	39/33 (85%)	46/43 (93%)	41/35 (85%)	44/40 (91%)

All data are for first-time test takers. Data for MD students are based on the US Medical Licensing Exam (USMLE), Step 3. Data for MD students become available two years after graduation, i.e., results for 2003 graduates are shown in 2005-06. The national average for this cohort was 96%.

Number of Examinees/Number Passing COMLEX - Level 3

	2001-02	2002-03	2003-04	2004-05	2005-06
WV School of Osteopathic Medicine	56/55 (98%)	51/50 (98%)	73/67 (92%)	72/70 (97%)	68/58 (85%)

All data are for first-time test takers. Data for DO students are based on the Comprehensive Osteopathic Medicine Licensing Examination (COMLEX), Level 3. Results are for 2006 graduates. The national average for this cohort was 89%.

Medical School Graduates Choosing Primary Care Residencies*

	2001-02	2002-03	2003-04	2004-05	2005-06**
West Virginia University	39 (48%)	46 (48%)	32 (46%)	46 (61%)	55 (56%)
Marshall University	34 (72%)	32 (68%)	29 (73%)	29 (66%)	28 (62%)
WV School of Osteopathic Medicine	40 (63%)	48 (67%)	40 (56%)	36 (53%)	N/A***
TOTAL	113	126	101	111	

commentary

*Primary care includes family medicine, internal medicine, pediatrics, internal medicine/pediatrics, and obstetrics/gynecology.

**In 2006, the national average for choice of primary care residencies was 48.4% for all allopathic graduates.

***Osteopathic students enter a one-year rotating internship after graduation. Thus, their data lags one year behind the allopathic graduates. In 2006, 36 (53%) of WVSOM 2005 graduates chose primary care residencies. The national average is not available.



RETENTION

Medical School Graduates from 1996-2001 Practicing in West Virginia

Institutions	Total Number of Graduates	Graduates with Completed Training			
		Total Number	Number in Practice in WV	Number in Primary Care in WV*	Number in Practice in Non-Urban Areas in WV **
West Virginia University	498	456	193 (42.3%)	106 (23.2%)	35 (7.7%)
Marshall University	287	275	112 (40.7%)	75 (27.3%)	23 (8.4%)
WV School of Osteopathic Medicine	380	374	126 (33.7%)	104 (27.8%)	59 (15.8%)
TOTAL	1,165	1,105	431 (39.0%)	285 (25.8%)	117 (10.6%)

Note: Excludes SREB contract students at WVSOM who have a contractual obligation to return to their home state following graduation.

*Primary Care is defined as family medicine, internal medicine, pediatrics, internal medicine/pediatrics, and obstetrics/gynecology.

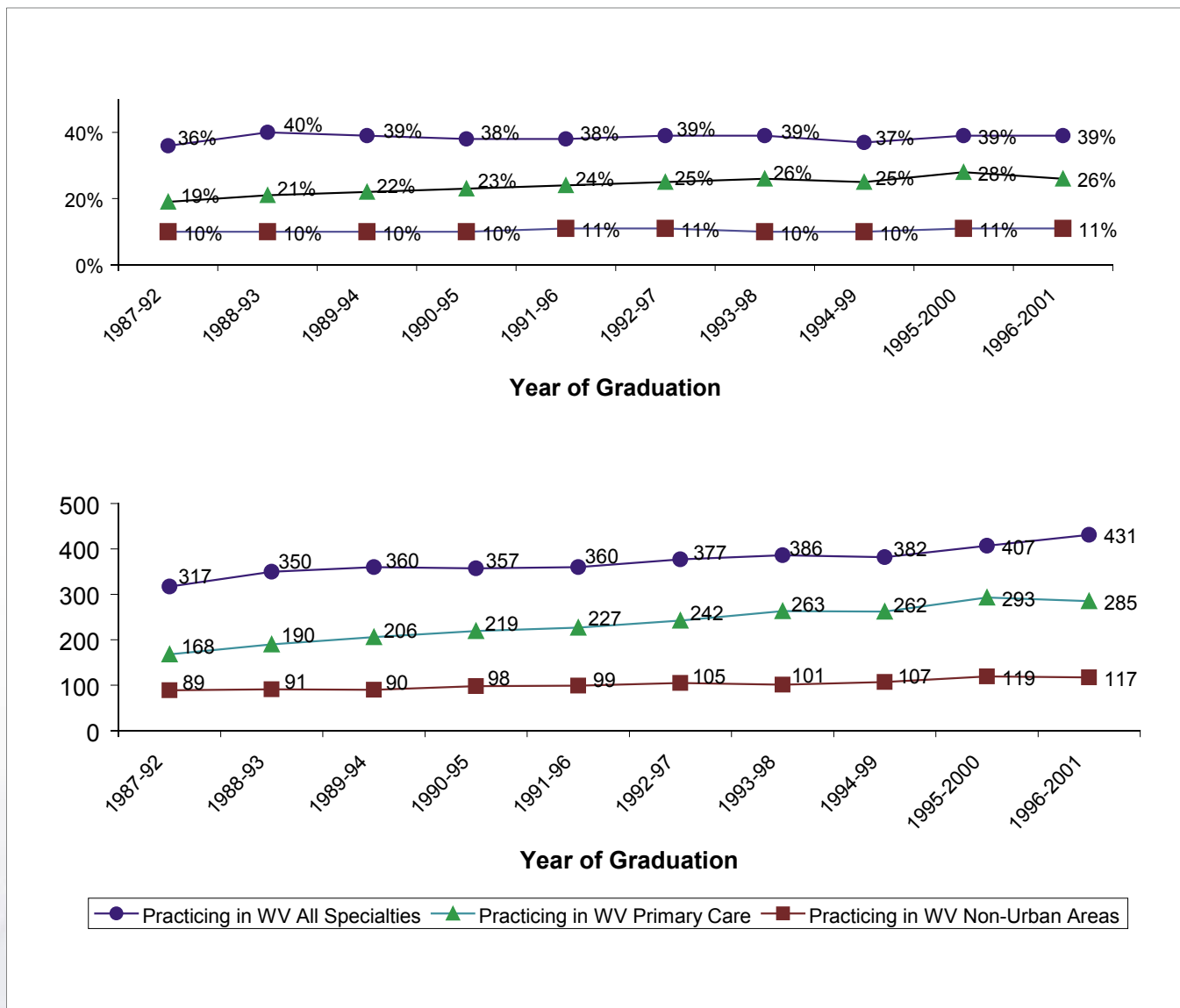
**Non-urban areas exclude graduates practicing in: Beckley, Charleston (including South Charleston, Dunbar, Nitro, Institute, etc.), Clarksburg, Fairmont, Huntington (including Barboursville), Hurricane, Martinsburg, Morgantown (including Star City and Westover), Parkersburg (including Vienna), Weirton, and Wheeling.

commentary

A total of 1,105 students who graduated from the state’s three medical schools between 1996 and 2001 have completed residency training. Of these graduates, 39% are practicing in West Virginia. Almost 11% are practicing in rural areas. In tracking the retention of graduates, this report factors in the additional 3 to 5 years of residency training that physicians complete in their specialty before beginning practice. The table, charts, and maps on pages 5-9 present data on graduates from 1996-2001.

RETENTION

West Virginia Medical School Graduates Practicing in West Virginia

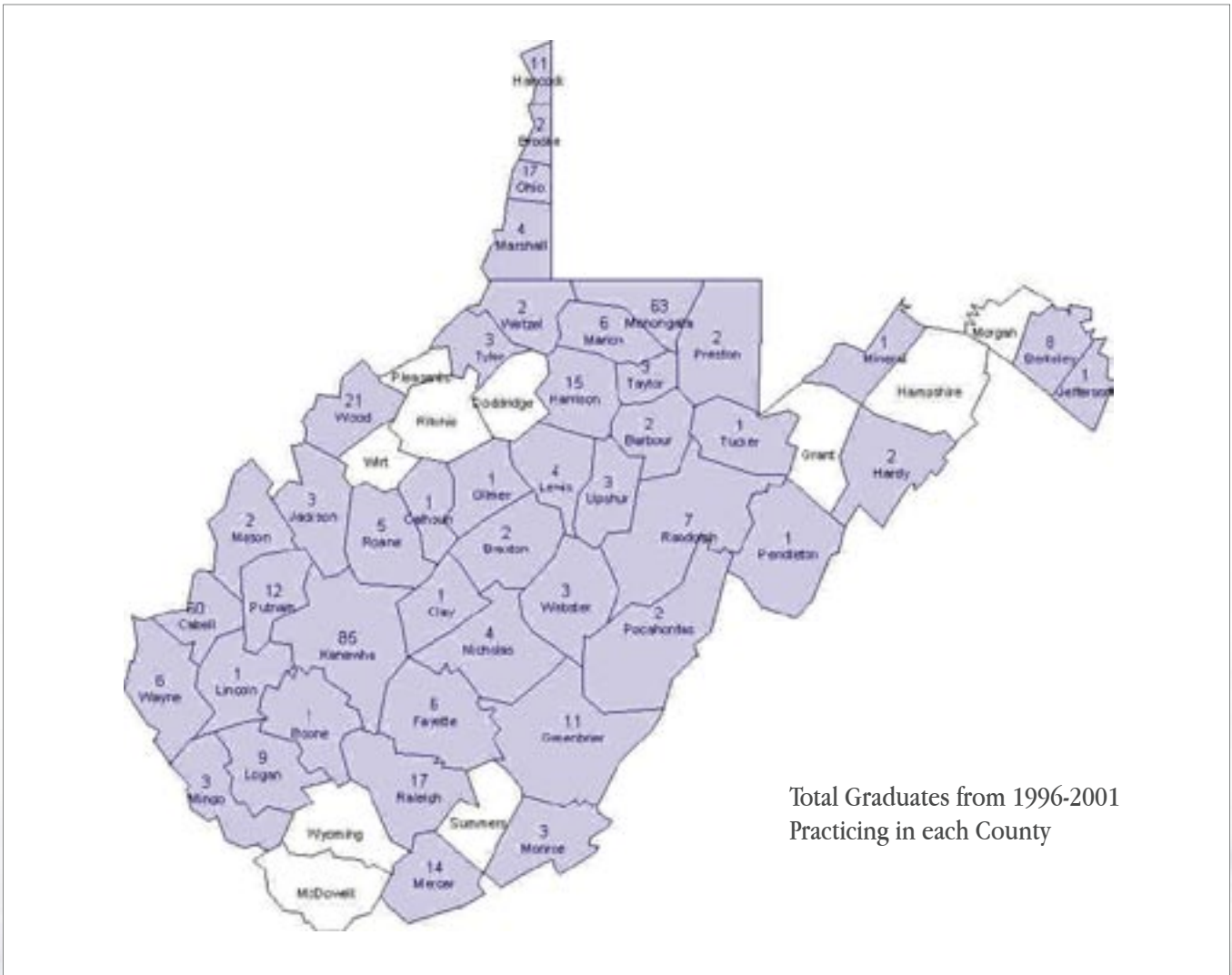


commentary

Retention is tracked annually for a 6-year cohort of medical school graduates who have completed residency training. The greatest change has been in retention of graduates in primary care fields. In the past 10 years, the number of graduates retained in primary care increased from 168 (19%) to 285 (26%) of the total medical school graduates retained.

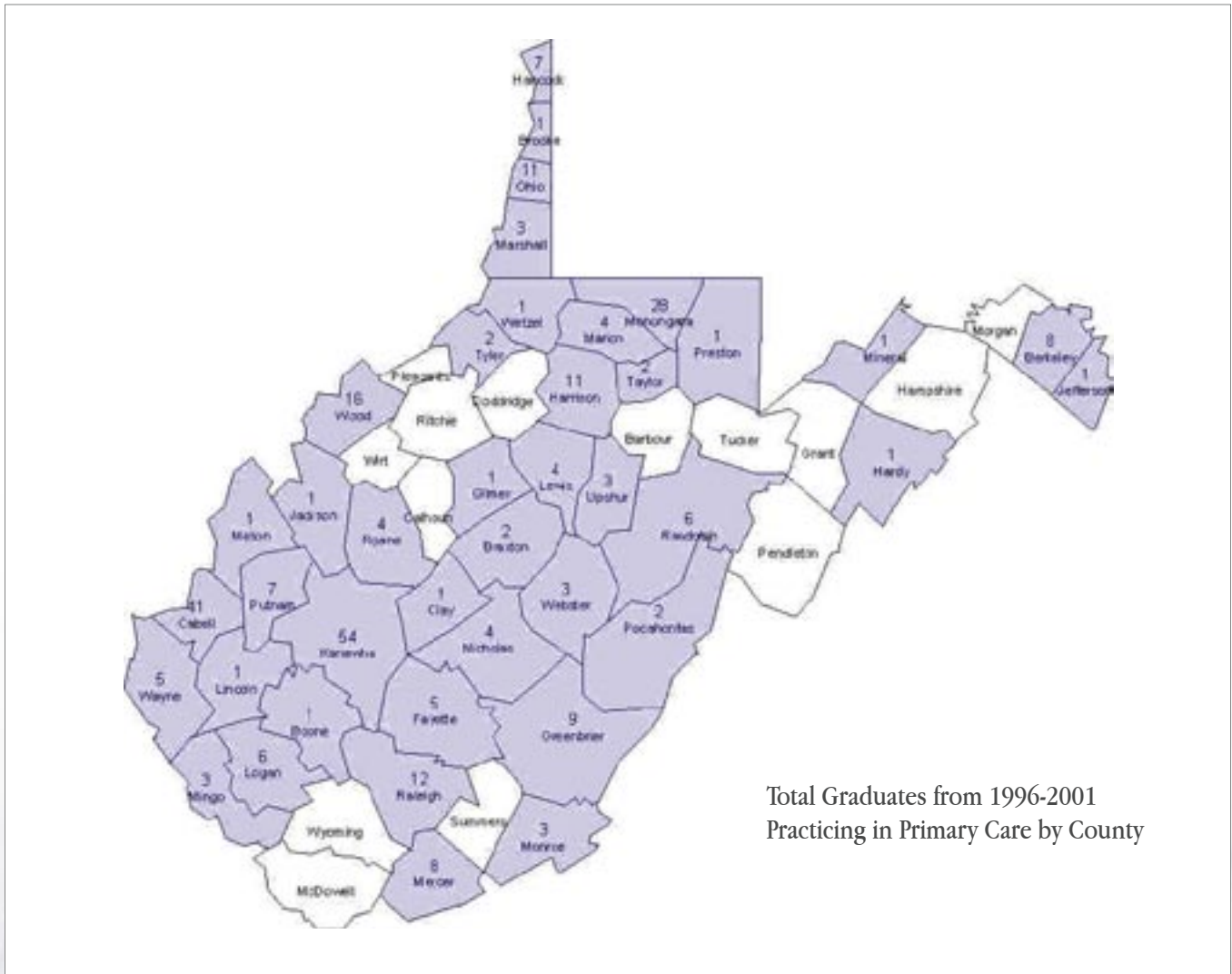
RETENTION

WV Medical Graduates, 1996-2001, In All Specialties



RETENTION

WV Medical Graduates, 1996-2001, In Primary Care

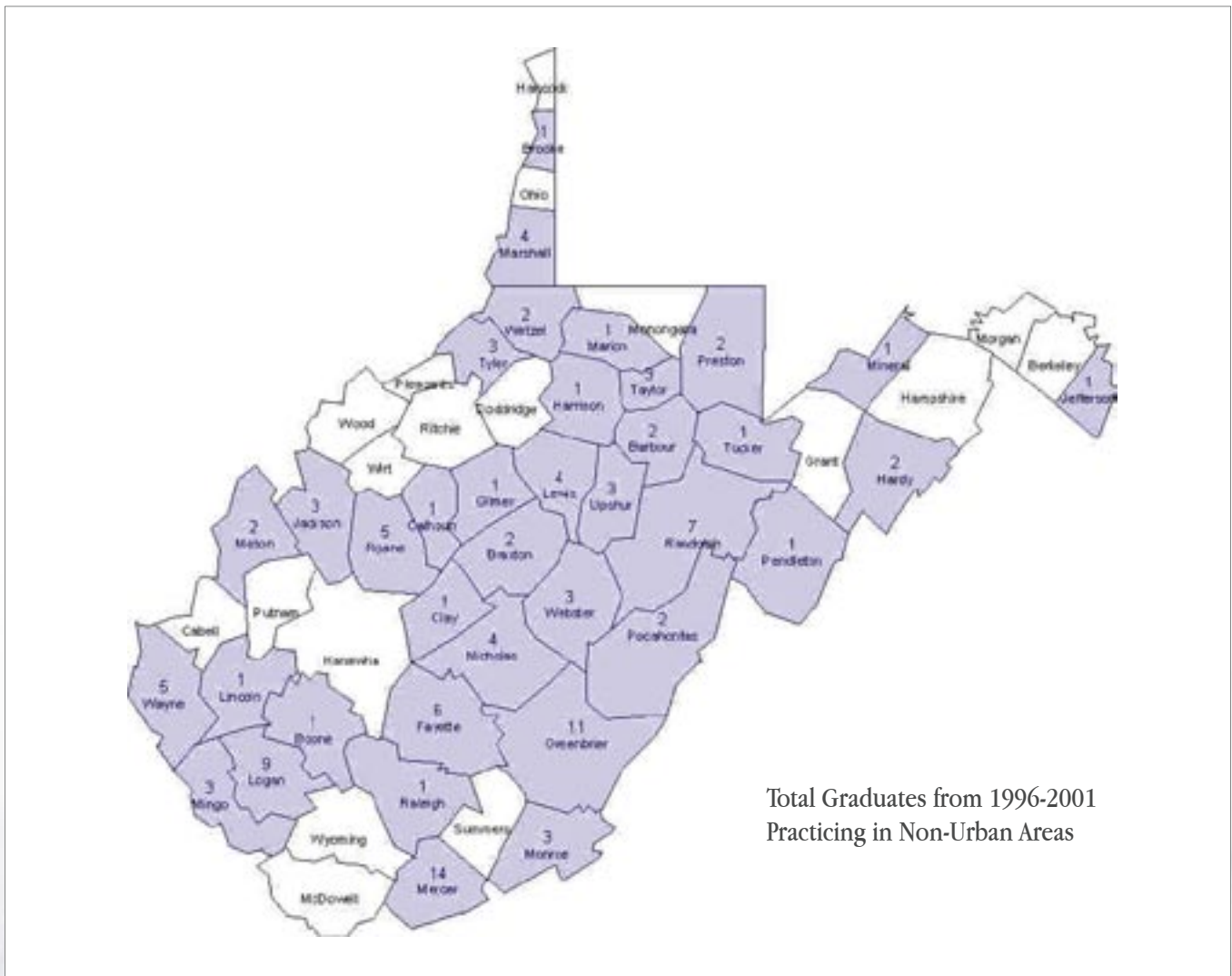


commentary

Primary Care is defined as family medicine, internal medicine, pediatric, internal medicine/pediatrics, and obstetrics/gynecology.

RETENTION

WV Medical Graduates, 1996-2001, In Non-Urban Areas

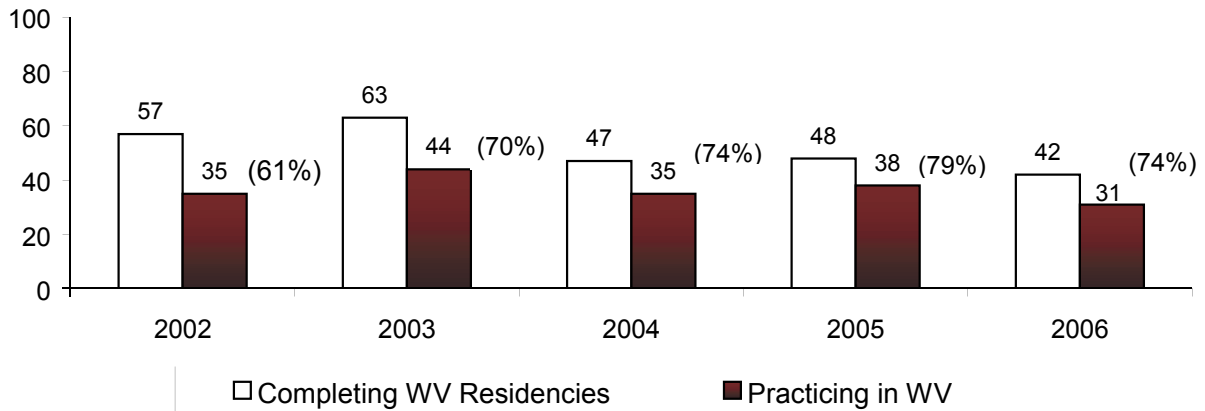


Total Graduates from 1996-2001 Practicing in Non-Urban Areas

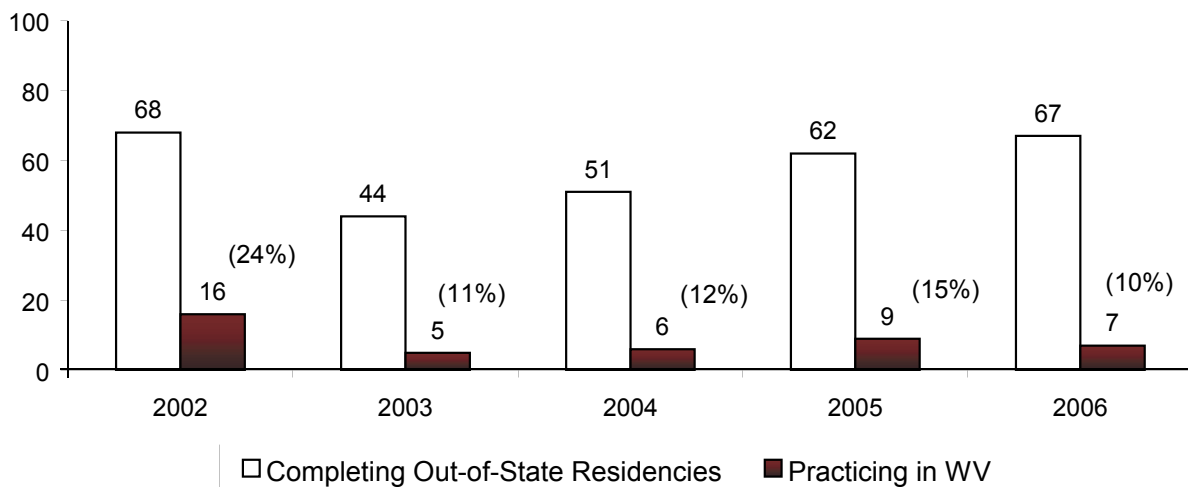
commentary

The map excludes graduates practicing in Beckley, Charleston (including South Charleston, Dunbar, Nitro, Institute, etc.), Clarksburg, Fairmont, Huntington (including Barboursville), Hurricane, Martinsburg, Morgantown (including Star City and Westover), Parkersburg (including Vienna), Weirton, and Wheeling.

WV Medical Graduates Completing WV Primary Care Residencies



WV Medical Graduates Completing Out-of-State Primary Care Residencies



commentary

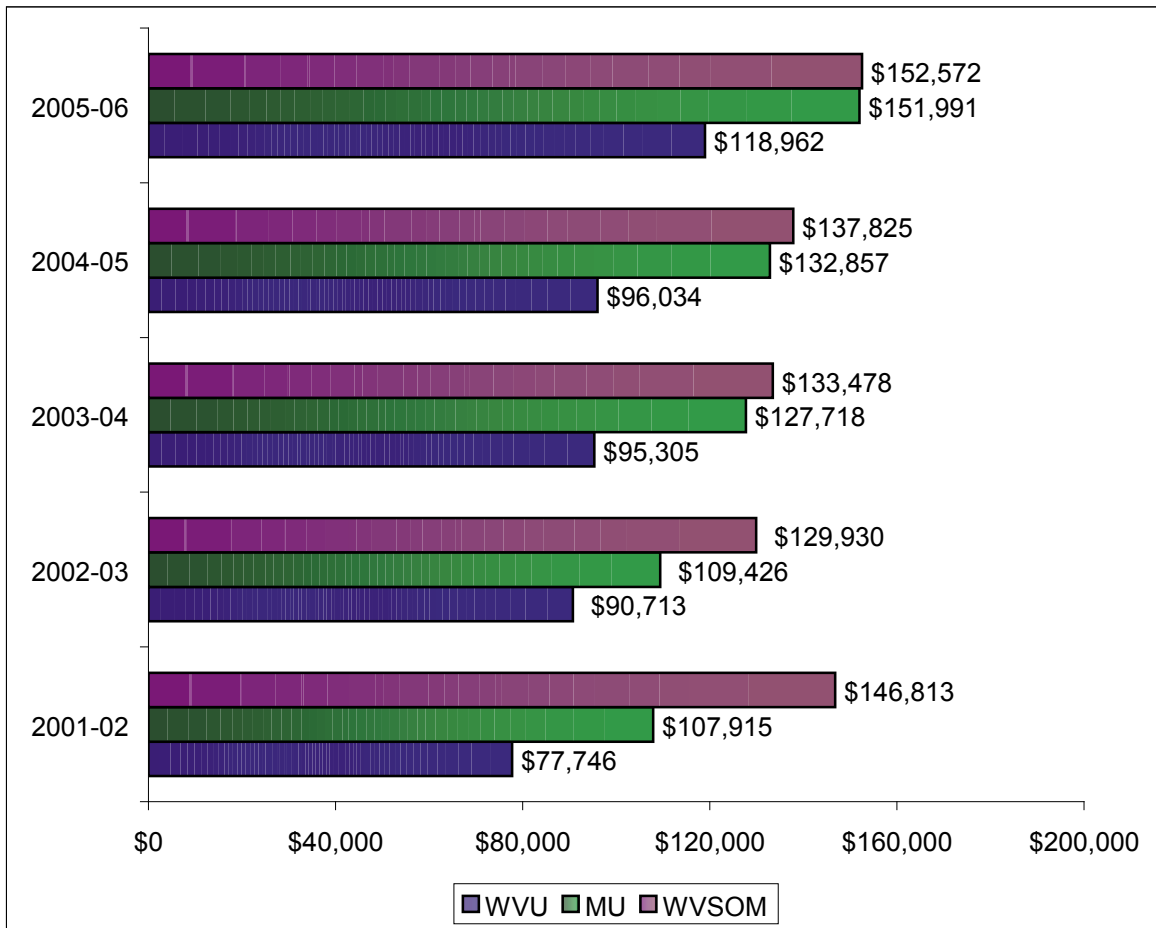
Medical school graduates begin practice after completing 3 to 5 years of residency training in a given specialty. Two factors are important in tracking their retention: (1) specialty choice, because primary care fields are most needed in rural West Virginia; and (2) location of the residency, because graduates who complete residencies in West Virginia are more likely to practice in the state.

RETENTION

Health Sciences Graduates, 2002-2006

	2002	2003	2004	2005	2006
West Virginia University					
Dental	34	30	36	44	40
Practicing in WV	17 (50%)	20 (67%)	23 (64%)	24 (55%)	24 (60%)
Pharmacy	60	71	65	72	74
Practicing in WV	41 (68%)	48 (68%)	35 (54%)	48 (67%)	41 (55%)
Nurse Practitioner	17	16	34	25	19
Practicing in WV	14 (82%)	13 (81%)	32 (94%)	21 (84%)	16 (84%)
Marshall University					
Nurse Practitioner	7	11	11	14	16
Practicing in WV	7 (100%)	7 (64%)	6 (55%)	9 (64%)	10 (63%)



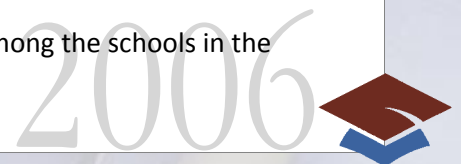


commentary

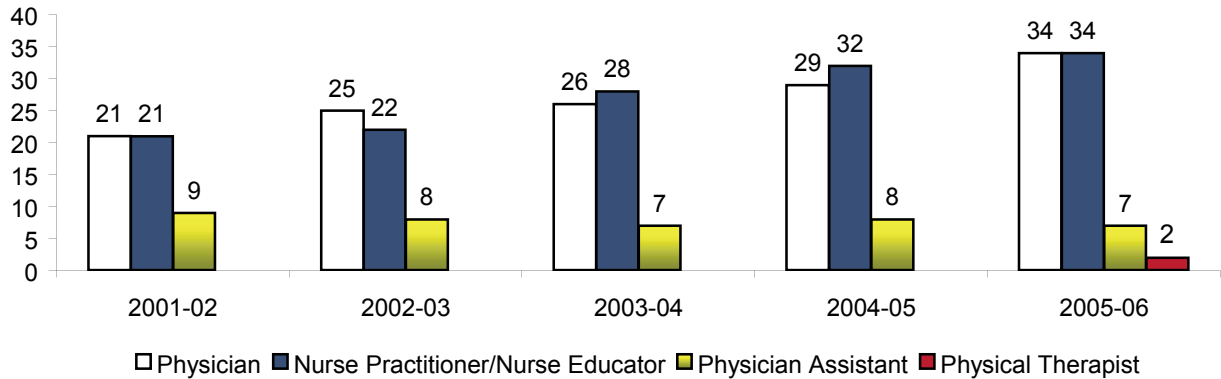
This chart shows the average indebtedness of graduating medical students. As a point of reference, the annual tuition and fees for the medical schools in 2005-06 are shown below.

	Resident	Non-Resident
West Virginia University	\$17,002	\$38,000
Marshall University	\$15,088	\$38,478
WV School of Osteopathic Medicine	\$17,469	\$43,677

The differences in graduate indebtedness may be attributed to differences among the schools in the proportion of students paying non-resident tuition and fees.



Health Sciences Scholarship Participants Practicing in Rural WV



The Health Sciences Scholarship Program provides an incentive for students to practice in underserved areas of West Virginia. Medical students receive a \$20,000 award for a two-year service commitment. Other disciplines receive a \$10,000 award. Nurse educators became eligible in 2003. Physical therapists became eligible in 2005. The chart shows graduates who are fulfilling their service obligation.

Medical Student Loan Program

	2001-02	2002-03	2003-04	2004-05	2005-06
Loans Awarded	283	289	291	306	317
Total Amount Awarded	\$1,225,000	\$1,246,500	\$1,354,228	\$1,586,700	\$1,023,705
Amount of Unexpended Funds	\$1,498,494	\$2,039,706	\$2,296,022	\$2,609,608	\$3,157,511
Loan Forgiveness	20	13	21	21	15
Default Rate on Previous Awards	2.9%	2.5%	2.5%	3.3%	3.0%

The Medical Student Loan Program, a component of the Health Education Student Loan Program, is a need-based program to assist state medical students. It is funded from medical student fees, and borrowers may earn loan forgiveness for practicing in an underserved area or in a medical shortage field in West Virginia. The unexpended funds include loan repayments. In 2005 the Legislature approved a rule change to allow the schools to increase loans from \$5,000 to \$10,000 so that these funds will be utilized. In addition, the medical schools will reduce new deposits to their accounts.



Number of Students Currently Served	Number of Teachers Participating	Number of High School Graduates to Date, 1998-2006	Percentage of High School Graduates to Enter College	Percent to major in Health Sciences & Technology in College
-------------------------------------	----------------------------------	--	--	---

788	74	850	98%	60%
-----	----	-----	-----	-----

PROGRAM OUTCOMES

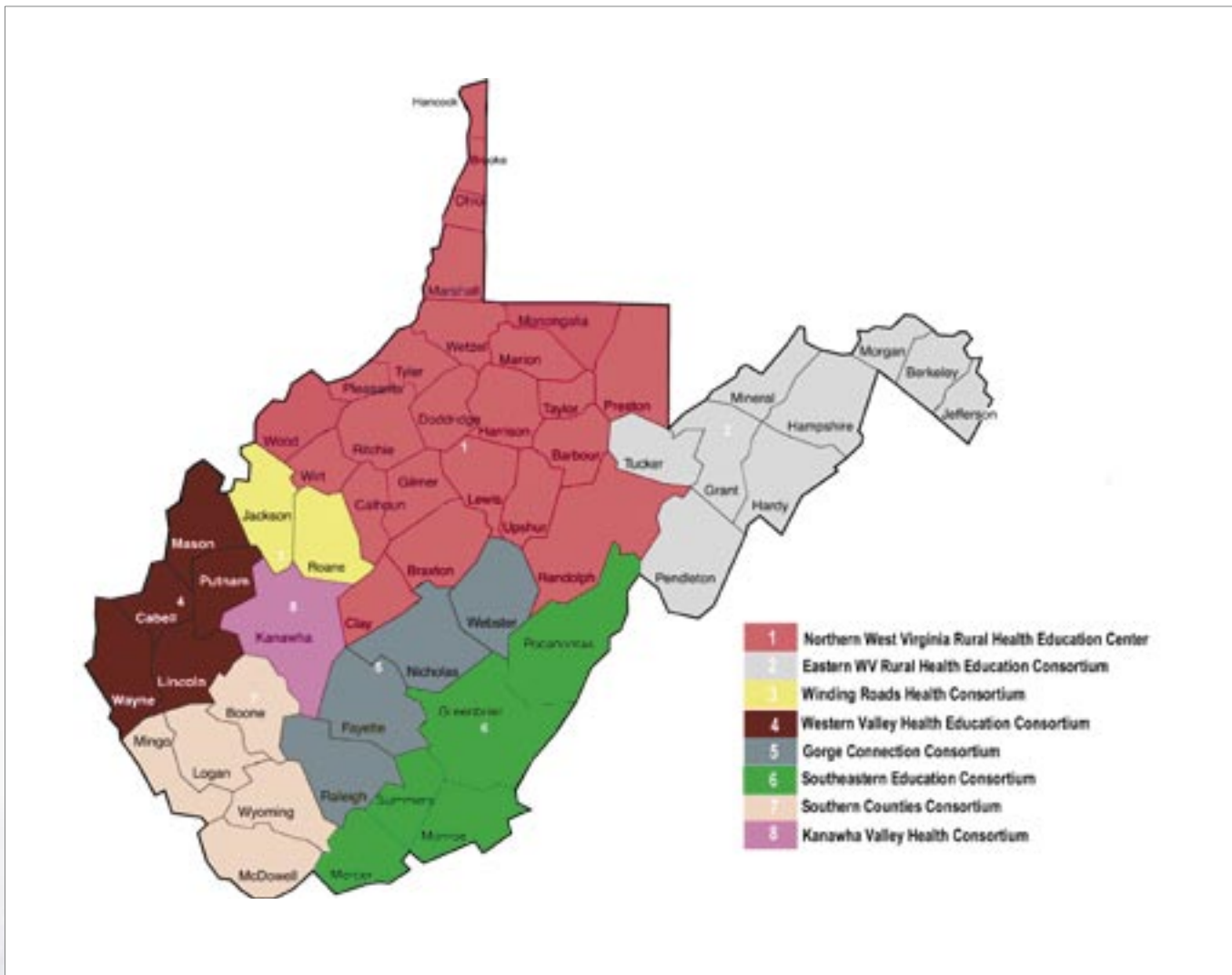
836 HSTA graduates are still in college.

56 HSTA Scholars have gone on to graduate or professional school. Of that number, 31 HSTA Scholars (55%) have enrolled in health science graduate programs or professional schools.

Ten HSTA students are currently in medical school.

commentary

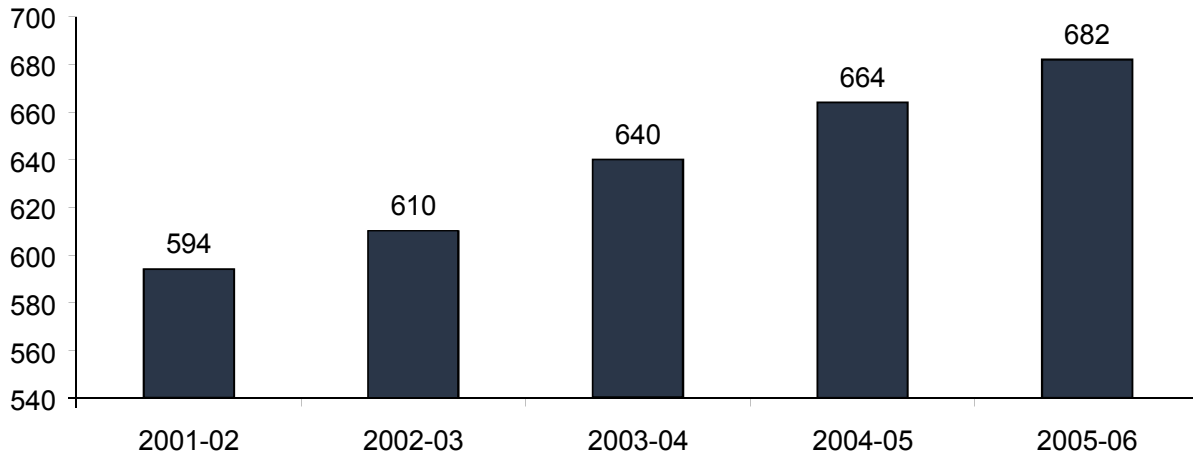
The Health Sciences and Technology Academy (HSTA) reaches out to minority and disadvantaged students in 26 counties and helps them prepare for higher education and health care careers. Students from the 9th-12th grade progress through four years of training with local teachers and campus-based faculty. Each summer, students attend a summer institute on campus for clinic, laboratory, and classroom activities.



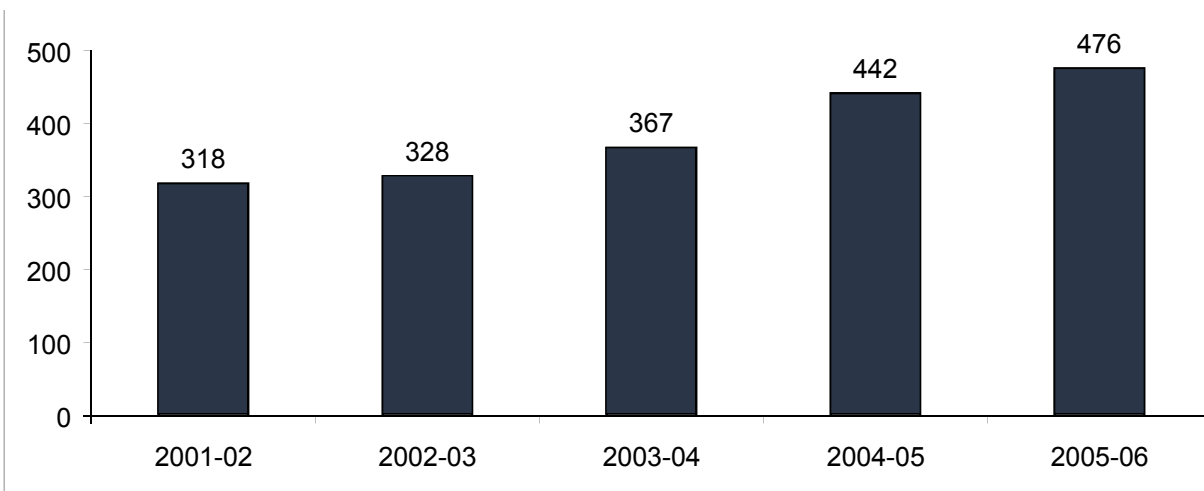
commentary

In 2005, the West Virginia Rural Health Education Partnerships (RHEP) completed mergers and consolidations resulting in 8 consortia, compared to 13 in 1995. These changes are designed to achieve greater efficiencies while maintaining the quality of educational experiences for trainees. The program has formed a partnership with the federally funded West Virginia Area Health Education Centers (AHEC) to provide community-based education and training in all counties of the state. The RHEP program focuses on rural underserved areas, while the AHEC serves all areas of the state.

RHEP Field Faculty



RHEP Training Sites



commentary

West Virginia RHEP field faculty are active rural practitioners who also teach students. In 2006, the Faculty Development Conference was held jointly with Area Health Education Centers and the Mountain State Geriatric Education Center. The theme was "Teaching Communication Skills for RHEP/AHEC Field Faculty." A total of 31 field faculty, institutional staff and others attended the day-long workshop held at the WV School of Osteopathic Medicine.

Consortium Lead Agency and Sub-areas	Counties	Number of Training Sites	Number of Field Faculty	
Eastern WV Rural Health Education Consortium -- Martinsburg	Berkeley, Jefferson and Morgan	28	2 Dentistry 16 Medicine 11 Nursing 1 Nurse Practitioner	1 Occupational Therapy 13 Pharmacy 9 Physical Therapy
	-- Petersburg Grant, Hampshire, Hardy, Mineral, Pendleton and Tucker	53	1 Clinical Psychology 4 Dentistry 33 Medicine 1 Medical Technology 11 Nursing 3 Nurse Practitioner	1 Occupational Therapy 10 Pharmacy 3 Physician Assistant 5 Physical Therapy 1 Social Work
The Gorge Connection	Fayette, Raleigh, Nicholas and Webster	22	3 Dentistry 22 Medicine 1 Medical Technology 8 Nursing	2 Nurse Practitioner 5 Pharmacy 5 Physician Assistant 1 Physical Therapy 2 Social Work
Kanawha Valley Health Consortium <i>Cabin Creek Health Center</i>	Rural areas of Kanawha	16	1 Dentistry 8 Medicine 8 Nursing	3 Nurse Practitioner 1 Pharmacy
Northern WV Rural Health Education Center --Region 1	Brooke, Hancock, Marshall, Ohio and Wetzel	27	16 Medicine 1 Medical Technology 14 Nursing	6 Pharmacy 5 Physical Therapy 1 Nurse Practitioner
	-- Region 2 Calhoun, Doddridge, Gilmer, Pleasants, Ritchie, Tyler and Wirt	67	1 Dentistry 14 Medicine 4 Nursing	4 Nurse Practitioner 8 Pharmacy 1 Physician Assistant 1 Physical Therapy
	-- Region 3 Braxton, Harrison, Lewis, Marion and Monongalia	50	10 Dentistry 19 Medicine 1 Medical Technology 33 Nursing	2 Nurse Practitioner 7 Pharmacy 1 Physician Assistant 5 Physical Therapy
	-- Region 4 Barbour, Preston, Randolph, Taylor and Upshur	71	1 Clinical Psychology 8 Dentistry 39 Medicine 3 Medical Technology 14 Nursing 2 Nurse-Midwife	1 Nurse Practitioner 1 Occupational Therapy 16 Pharmacy 2 Physician Assistant 11 Physical Therapy 1 Social Work



Consortium		Number of	Number of Field Faculty	
Lead Agency and Sub-areas	Counties	Training Sites		
Southern Counties Consortium	Boone, Logan, McDowell, Mingo and Wyoming	28	3 Dentistry 29 Medicine 2 Nursing 6 Nurse Practitioner	5 Pharmacy 5 Physician Assistant 1 Physical Therapy
Southeastern Education Consortium	Greenbrier, Mercer, Monroe, Pocahontas, and Summers	41	4 Dentistry 45 Medicine 3 Nursing 2 Nurse Practitioner	7 Pharmacy 1 Physician Assistant 8 Physical Therapy 1 Social Work
Western Valley Health Education Consortium -- Fort Gay	Cabell, Wayne and Lincoln	14	2 Dentistry 12 Medicine 4 Nursing	2 Nurse Practitioner 1 Pharmacy 2 Physician Assistant
-- Point Pleasant	Cabell, Lincoln, Mason, Putnam and Wayne	41	2 Dentistry 33 Medicine 1 Nursing	5 Pharmacy 1 Physical Therapy 2 Physician Assistant
Winding Roads Health Consortium	Clay, Roane and Jackson	18	3 Dentistry 20 Medicine 2 Medical Technology 2 Nursing	4 Nurse Practitioner 9 Pharmacy 1 Physician Assistant 3 Physical Therapy
Total	Training Sites	Field Faculty	Field Faculty by Discipline	
FY 2005-06	476	682	2 Clinical Psychology 43 Dentistry 306 Medicine 9 Medical Technology 115 Nursing 2 Nurse-Midwife	31 Nurse Practitioner 3 Occupational Therapy 93 Pharmacy 23 Physician Assistant 50 Physical Therapy 5 Social Work
FY 2004-05	442	664		

commentary

The RHEP training infrastructure covers the most underserved areas of 54 counties. Training sites include rural hospitals; health centers; private physician offices; dental offices; pharmacies; public health departments; human service agencies; mental health centers; schools; and other health care organizations (e.g., home health).

TRAINING CONSORTIA EXPENDITURES

July 1, 2005 - June 30, 2006

	EASTERN WVRHEC	GORGE CONNECTION	KANAWHA VALLEY	NORTHERN WVRHEC	SOUTHEASTERN EDUC	SOUTHERN COUNTIES
DIRECT SERVICE EXPENSES						
Student/Resident Housing	\$ 40,181	\$ 22,391	\$ 1,675	\$ 72,947	\$ 32,759	\$ 28,847
Student/Resident LRC	9,500	11,264	2,460	59,071	23,694	1,511
Student/Resident Rotation Coordination	127,265	92,773	42,016	213,968	84,275	97,203
IDS Prep & Presentation	11,659	4,694	6,407	33,613	780	10,353
Annual Honorarium - Preceptors	25,000	43,099	7,310	-	35,700	13,000
Graduate Medical Education	-	1,516	-	35,000	76	2,500
Recruitment & Retention	-	8,690	500	20,000	-	29
Community Service	8,000	2,253	23,655	28,444	16,711	13,566
On-Site Clinical Director	-	33,966	12,100	25,000	34,000	10,000
Faculty Development	-	3,997	4,239	37,500	-	1,250
Subtotal	\$ 221,605	\$ 224,643	\$ 100,362	\$ 525,543	\$ 227,995	\$ 178,259
	73%	81%	76%	76%	84%	70%
INDIRECT SERVICE EXPENSES*						
Subtotal	\$ 83,999	\$ 52,589	\$ 30,853	\$ 166,034	\$ 44,131	\$ 75,170
	27%	19%	24%	24%	16%	30%
TOTAL	\$ 305,604	\$ 277,232	\$ 131,215	\$ 691,577	\$ 272,126	\$ 253,429

commentary

In 2005, West Virginia RHEP reduced the number of training consortia from 11 to 8 through mergers and consolidations. A map of the 8 consortia is on page 15.

*Indirect service expenses include site administration, administrative travel, office expense, and fiscal management.

TRAINING CONSORTIA EXPENDITURES

July 1, 2005 - June 30, 2006

WESTERN VALLEY		WINDING		TOTALS	
FORT GAY	POINT PLEASANT	ROADS			
\$ 12,000	\$ 3,759	\$ 9,376	\$ 223,935		DIRECT SERVICE EXPENSES
3,000	3,760	9,024	123,284		Student/Resident Housing
80,346	76,858	80,855	895,559		Student/Resident LRC
8,000	1,195	3,750	80,451		Student/Resident Rotation Coordination
20,000	10,000	22,125	176,234		IDS Prep & Presentation
1,000	21,620	-	61,712		Annual Honorarium - Preceptors
-	14,079	-	43,298		Graduate Medical Education
4,526	-	8,572	105,727		Recruitment & Retention
20,000	-	-	135,066		Community Service
5,000	-	-	51,986		On-Site Clinical Director
					Faculty Development
<hr/>					
\$ 153,872	\$ 131,271	\$ 133,702	\$ 1,897,252		Subtotal
86%	81%	80%	78%		
<hr/>					
\$ 26,000	\$ 30,009	\$ 32,428	\$ 540,070		INDIRECT SERVICE EXPENSES
14%	19%	20%	22%		Subtotal
\$ 179,872	\$ 161,280	\$ 166,130	\$ 2,438,472		TOTAL



Student Rotations

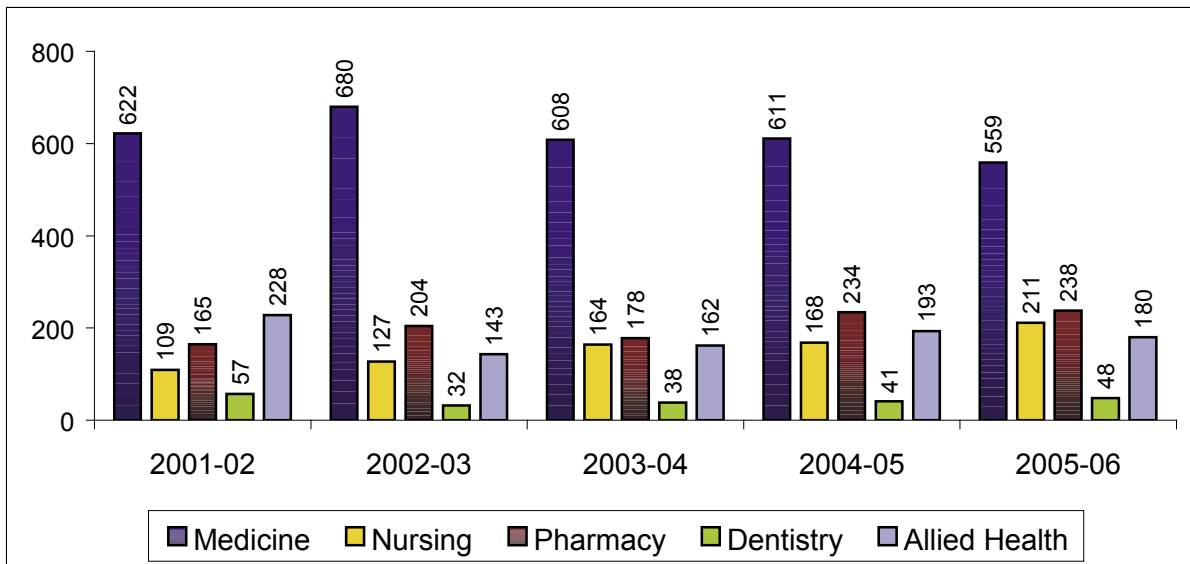
Rotations by County: June 1, 2005 - May 31, 2006

County	RHEP		Other Rural Sites		County	RHEP		Other Rural Sites	
	Student Rotation	Student Weeks	Student Rotation	Student Weeks		Student Rotation	Student Weeks	Student Rotation	Student Weeks
Barbour	18	75	1	4	Mingo	8	32	4	16
Berkeley	27	134	5	18	Monongalia	40	465	2	23
Boone	26	160	1	2	Monroe	3	19	1	4
Braxton	22	159	6	22	Morgan	21	96	3	12
Brooke	8	49	2	4	Nicholas	18	89	10	27
Cabell	39	227	9	41	Ohio	1	15	1	15
Calhoun	13	52	1	4	Pendleton	1	3	0	0
Clay	2	25	0	0	Pleasants	4	17	1	2
Doddridge	5	29	1	2	Pocahontas	0	0	2	11
Fayette	36	188	1	2	Preston	38	357	3	19
Gilmer	2	8	1	2	Putnam	47	225	10	43
Grant	42	187	8	26	Raleigh	25	119	57	235
Greenbrier	67	371	298	1039	Randolph	38	182	6	24
Hampshire	17	89	2	6	Ritchie	8	47	0	0
Hancock	1	13	0	0	Roane	38	171	2	6
Hardy	19	79	1	8	Summers	12	58	12	43
Harrison	24	178	4	18	Taylor	52	326	2	6
Jackson	29	173	5	25	Tucker	3	14	0	0
Jefferson	39	172	1	4	Tyler	12	49	3	6
Kanawha	90	679	3	45	Upshur	40	216	2	8
Lewis	28	159	7	36	Wayne	48	288	27	90
Lincoln	17	85	5	173	Webster	25	122	2	12
Logan	9	55	21	89	Wetzel	3	19	0	0
Marion	29	201	11	38	Wirt	2	8	0	0
Marshall	37	187	2	16	Wood	1	12	1	8
Mason	24	175	4	35	Wyoming	19	92	10	110
McDowell	12	76	2	19					
Mercer	32	150	64	223					
Mineral	14	111	7	22					
					2005-2006 Total	1,235	7,287	634	2,643
					2004-2005 Total	1,247	7,287	559	2,351

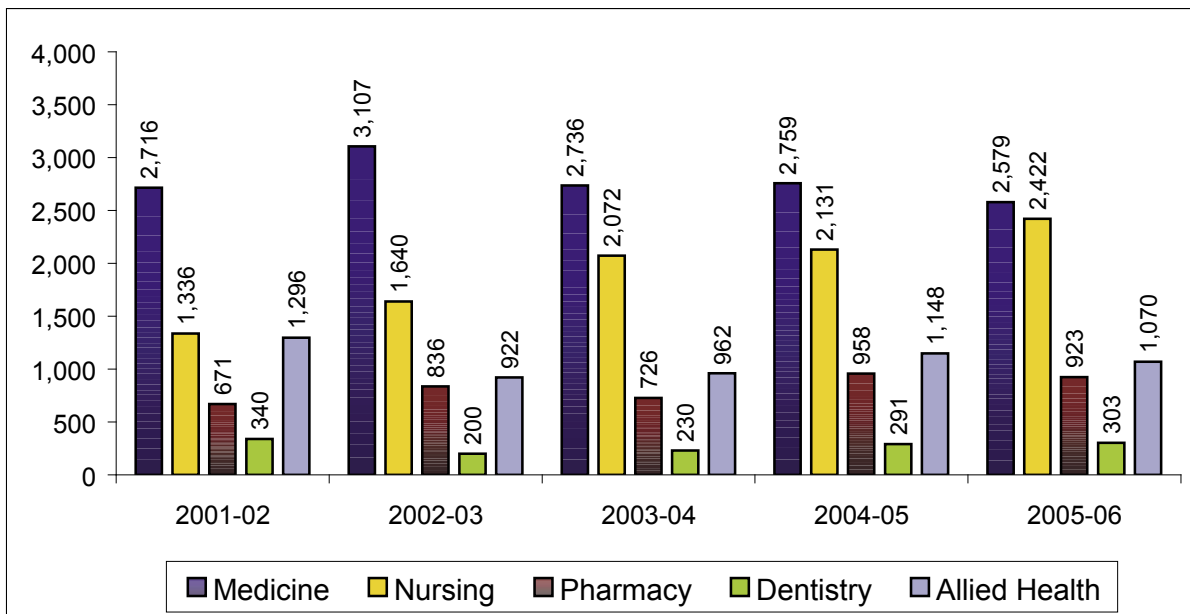
commentary

Students in state-supported health sciences schools must complete mandatory three-month rotations in rural communities. Dental students, because of unique curricular requirements, complete two-month rotations. This year, students from ten disciplines completed over 1,200 rotations in RHEP sites. The ten disciplines include: clinical psychology, dentistry, dental hygiene, medical technology, medicine, nursing, pharmacy, physician assistant, social work, and physical therapy.

RHEP Rotations by Year/Discipline



RHEP Student Weeks by Year/Discipline



Student Rotations

Rotations by School/Discipline: June 1, 2005 - May 31, 2006

School/Discipline:	RHEP		Other Rural Sites	
	Student Rotations	Student Weeks	Student Rotations	Student Weeks
Alderson-Broaddus				
Physician Assistant	41	157	13	61
Mountain State University				
Physician Assistant	73	366	4	20
Nurse Practitioner	2	22	6	91
Marshall University				
Medicine	104	466	26	78
Medical Resident	0	0	5	176
Nursing	35	223	3	8
Clinical Psychology	1	38	0	0
Social Work	0	0	1	10
Other	0	0	1	14
West Liberty				
Dental Hygiene	1	3	0	0
Wheeling Jesuit				
Physical Therapy	0	0	1	6
WV School of Osteopathic Medicine				
Medicine	207	1,107	454	1,676
Medical Resident	0	0	55	205
West Virginia University				
Nursing	107	1298	0	0
Nurse Practitioner	6	90	3	45
Nurse Practitioner-Charleston	12	177	7	105
Physical Therapy	29	312	0	0
Dentistry	48	303	2	14
Dental Hygiene	24	143	1	6
Medicine	139	558	14	36
Medicine-Charleston	78	316	1	3
Medicine-East	21	92	0	0
Medical Resident	10	40	1	4
Medical Technology	9	25	2	5
Pharmacy	238	923	34	80
Social Work	1	16	0	0
West Virginia University Institute of Technology				
Nursing	49	612	0	0
2005-06 Total:	1,235	7,287	634	2,643
2004-05 Total:	1,247	7,287	559	2,351



Community Service Contacts

June 1, 2005 - May 31, 2006

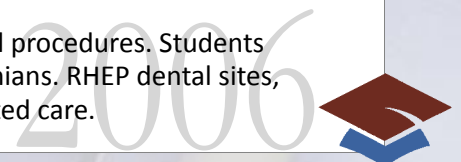
Consortium	Prevention and Education for General Public	Prevention and Education for Adults	Prevention and Education for Children	Total
Eastern WV Rural Health Education Consortium				
-- Martinsburg	367	1,091	2,446	3,904
-- Petersburg	1,099	2,224	5,142	8,465
The Gorge Connection	1,268	1,454	4,587	7,309
Kanawha Valley Health Consortium	0	1,160	2,039	3,199
Northern WV Rural Health Education Center				
-- Region 1	611	1,744	6,446	8,821
-- Region 2	667	727	4,348	5,742
-- Region 3	1,151	2,874	7,588	11,613
-- Region 4	1,631	1,316	3,089	6,036
Southern Counties Consortium	755	504	1,930	3,189
Southeastern Education Consortium	1,257	379	1,537	3,173
Western Valley Health Education Consortium				
-- Fort Gay	150	399	345	894
-- Point Pleasant	1,590	368	3,170	5,128
Winding Roads Health Consortium	306	2,174	4,373	6,853
FY 2005-06 Total	10,852	16,414	47,040	74,326
FY 2004-05 Total	15,637	14,816	40,060	70,513

commentary

RHEP provides community services and educational programs on oral hygiene, obesity and weight management, nutrition, substance abuse, sports physicals, skin cancer prevention, diabetes support and education and flu vaccine information. The program continually monitors its prevention and education programs by linking with Healthy People 2010 Objectives, Institute of Medicine recommendations, and the WV Behavioral Risk Factor Survey. RHEP strives to provide students service-learning opportunities that are directly linked to their clinical and educational learning objectives.

The CARDIAC Project provides screening and intervention programs to 5th grade students in 54 counties. CARDIAC programs also serve kindergarten, 2nd grade, and 9th grade students in select counties. The overall objective of the program is to reduce morbidity and mortality from heart disease and diabetes. Since 1998, the program has screened over 40,000 5th graders. Since 2001, the program has screened 2,187 kindergarten students, 627 2nd graders, and 700 9th graders. Younger children receive height and weight screening, from which body mass index (BMI) is calculated. Older children receive fasting lipid profile and blood pressure screening and are observed for the presence of a diabetes marker, in addition to the BMI screen. CARDIAC screening has been helpful to families, health care and school professionals, and state policy makers by increasing awareness of children's heart disease risk factors, providing interventions, and changing health behaviors.

In 2005-06, RHEP dental and dental hygiene students provided 14,280 clinical procedures. Students and faculty participated in 448 outreach activities, serving 23,447 West Virginians. RHEP dental sites, including dentists and students, provided \$2,157,657 million in uncompensated care.



Recruitment

Health Professionals with RHEP Rotations Practicing in Rural Areas of the State

Discipline	Number in Rural Practice	Number who Received Financial Incentives
Physicians		
(1991-2003 graduates)	213	90 (42%)
Nurse Practitioners/Nurse Educators	92	39 (42%)
Nurse-Midwife	1	-
Physician Assistants	131	43 (33%)
Nurses	56	-
Dentists	80	1 (1%)
Dental Hygienists	24	-
Pharmacists	157	-
Physical Therapists	57	2 (4%)
Occupational Therapist	2	-
Medical Technologists	6	-
Masters in Public Health	1	-
TOTAL	820	175 (21%)

Data on physicians include graduates from 1991-2003 who have completed residency training.
Data on all other disciplines include graduates from 1991-2006.

RECRUITMENT INCENTIVES FOR RURAL PRACTICE

West Virginia Higher Education Policy Commission
Health Sciences Scholarship Program - 77 awards

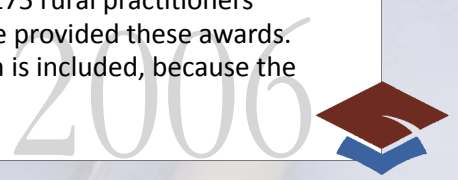
WV Rural Health Education Partnerships
SEARCH Training Stipends - 39 awards
Community Scholarship Program - 7 awards

Bureau for Public Health, Division of Rural Health & Recruitment
Recruitment & Retention Community Project - 82 awards
State Loan Repayment Program - 23 awards
NHSC Loan Repayment Program - 12 awards

TOTAL 240 Awards

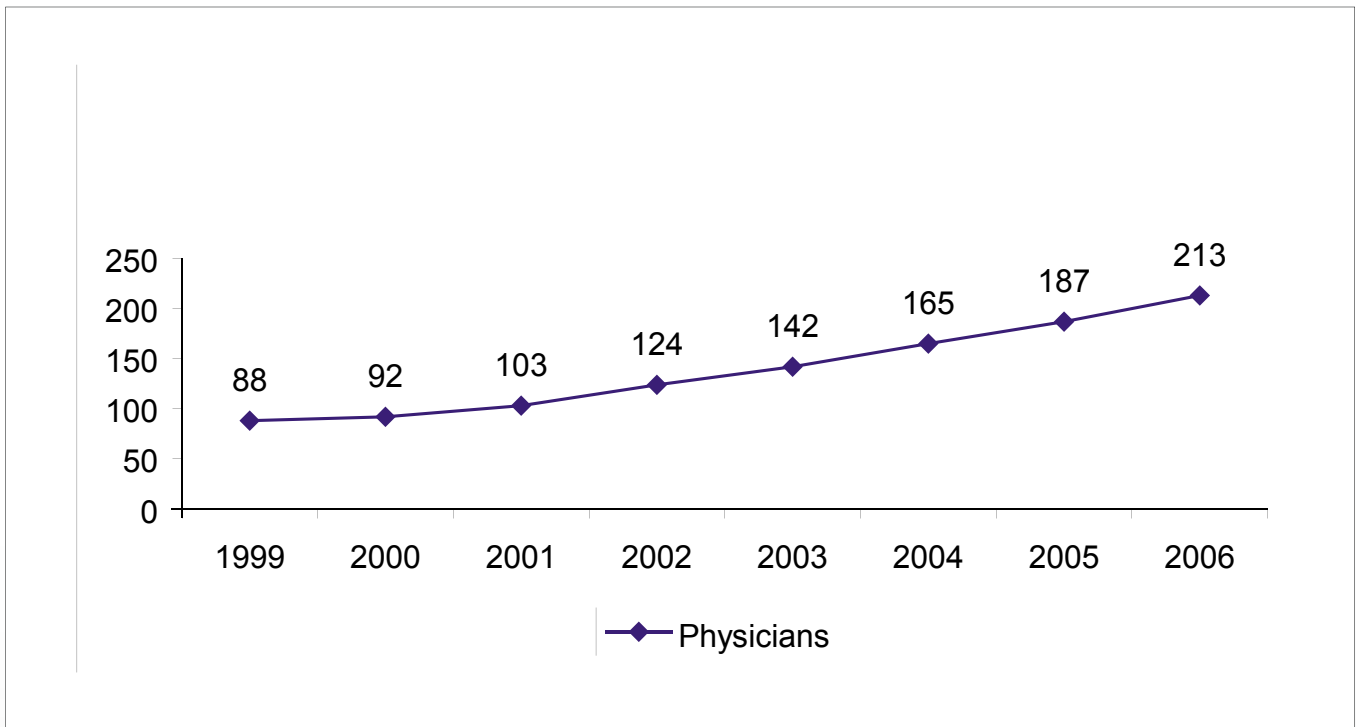
commentary

State scholarships and loan repayment are coordinated by the RHEP Recruitment and Retention Committee to target financial incentives to students and physician residents with rural training. Some practitioners have received awards from two or more programs. As of 2006, 175 rural practitioners have received a total of 240 awards. The agencies and programs shown above provided these awards. This year, the National Health Service Corps (NHSC) Loan Repayment Program is included, because the Bureau for Public Health assists physicians in applying to this program.



Recruitment

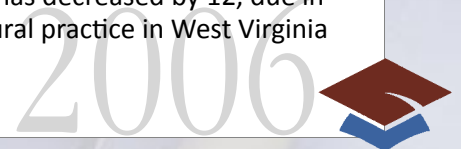
Number of Physicians with RHEP Rotations Practicing in Rural Areas of WV



commentary

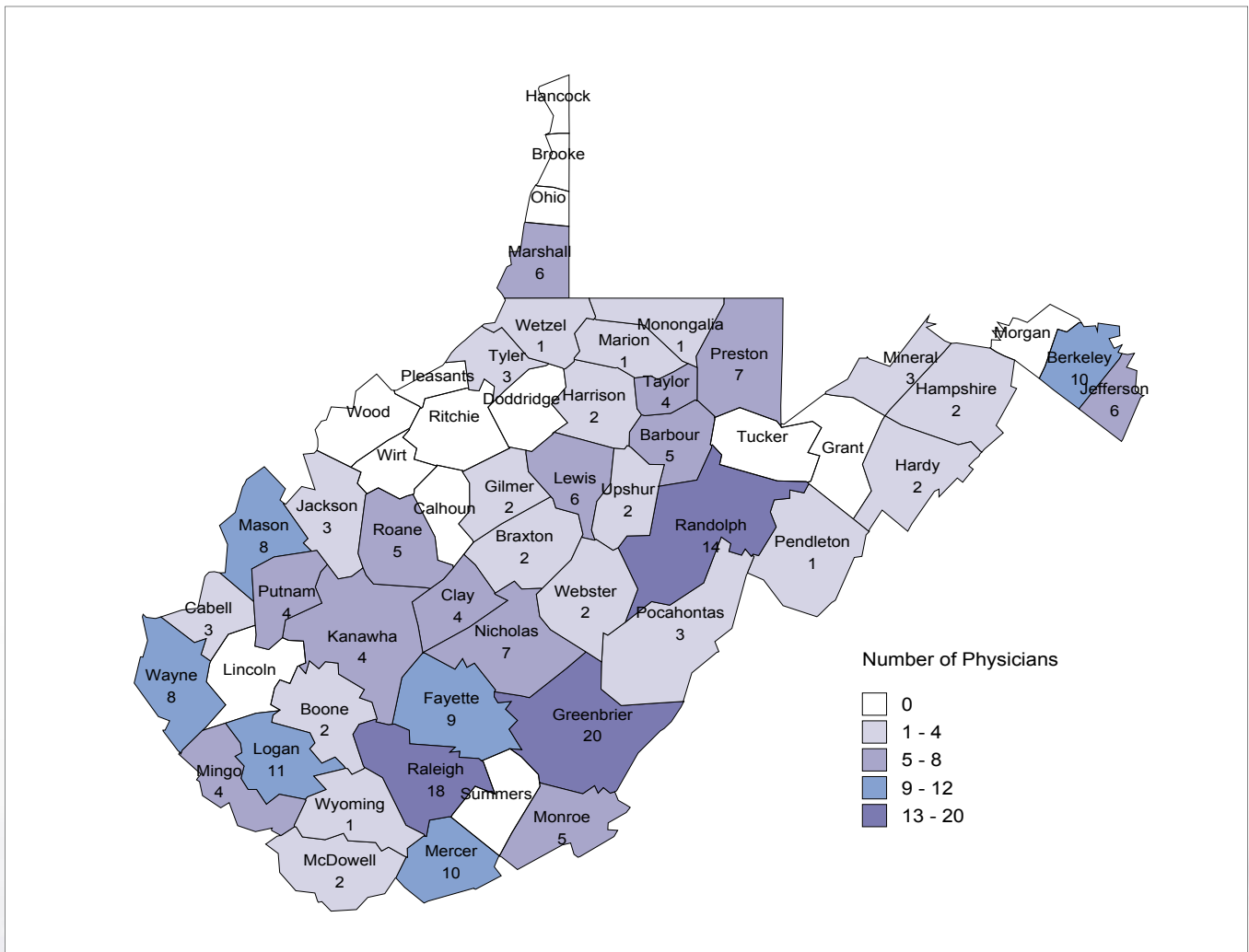
From 1999 to 2006, 213 physicians who did RHEP rural rotations were recruited to rural West Virginia and are currently practicing there. These numbers include physicians who did rural rotations under RHEP and the Area Health Education Program (AHEC), a federally funded partner program to RHEP. Each of the medical (DO & MD) graduates is re-verified annually so the count each year reflects the loss of some rural practitioners to urban and out-of-state practice. Despite this expected loss, the number of medical graduates in rural practice has increased 142% in the past 8 years at an average annual rate of 13.5%.

The federal Health Professional Shortage Area (HPSA) designation is a measure of physician shortage areas nationwide. Since 1995, the number of county HPSAs in West Virginia has decreased by 12, due in part to recruitment of new physicians. In 2006, 31 of the 213 physicians in rural practice in West Virginia are practicing in these 12 counties.



Recruitment

Physicians with RHEP Rotations Practicing in Rural Areas in 2006



commentary

A total of 213 physicians with RHEP training were practicing in rural areas of the state in 2006. They include graduates from 1991-2003. Ninety (42%) of these physicians received state financial incentives.

Recruitment data on pages 25 to 27 were provided by the HEPC, WVDHHR, medical schools, and the RHEP and AHEC staff.



**HIGHER EDUCATION POLICY COMMISSION
HEALTH SCIENCES AND RURAL HEALTH**

1018 Kanawha Blvd E Ste 700
Charleston WV 25301