

Appendix 2: Dual and Parallel Postdoctoral Training Programs

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Currently, trainees selecting postdoctoral training programs may choose to attend training programs approved by the American Osteopathic Association (AOA), accredited through the Accreditation Council for Graduate Medical Education (ACGME), dually approved or accredited by both the AOA and the ACGME, or parallel programs, which are

conducted separately but side-by-side with ACGME programs in the same specialty.

The information in the tables on the following pages reflect information related to dually accredited and parallel postdoctoral training programs for the AOA through 2013. (doi:10.7556/jaoa.2014.058)

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Table 1.
Total AOA Match Positions and Dual Positions Offered in 2013

Program Type	Positions Offered in the AOA Match ^a	
	Total, No.	Dual, No. (%)
Internship Programs^b		
Traditional rotating internship	613	NA
Total	613	NA
Option 1 Residencies^c		
Anesthesiology	32	NA
Emergency medicine	233	27 (12)
Emergency medicine and family medicine ^d	6	NA
Emergency medicine and internal medicine ^d	15	NA
Family medicine	845	346 (41)
Integrated family medicine and NMM ^d	11	NA
Integrated internal medicine and NMM ^d	1	NA
Internal medicine	572	102 (18)
Neurologic surgery	14	NA
Neurology	17	2 (12)
Obstetrics and gynecology	77	2 (3)
Orthopedic surgery	100	NA
Otolaryngology and facial plastic surgery	24	NA
Pediatrics	76	49 (64)
Pediatrics and internal medicine ^d	1	1 (100)
Proctology	2	NA

(continued)

Table 1 (continued).
Total AOA Match Positions and Dual Positions Offered in 2013

Program Type	Positions Offered in the AOA Match ^a	
	Total, No.	Dual, No. (%)
Option 1 Residencies (continued)^c		
Psychiatry	45	7 (16)
Surgery (general)	135	NA
Urologic surgery	17	NA
Total	2223	536 (24)
Option 2 Residencies^e		
Diagnostic radiology	27	NA
NMM/OMM	7	NA
Ophthalmology	16	NA
Physical medicine and rehabilitation	14	NA
Total	64	NA
Grand Total	2900	536 (18)

^a Positions that programs plan to fund. Does not indicate how it will be funded.

^b The traditional rotating internship year is not linked to any residency program.

^c In option 1 residencies, students match directly into the residency for the first year of osteopathic graduate medical education.

^d Combined specialty.

^e In option 2 residencies, programs require completion of a designated preliminary year of training as a prerequisite for the first year of residency.

Abbreviations: AOA, American Osteopathic Association; NA, not applicable; NMM, neuromusculoskeletal medicine; OMM, osteopathic manipulative medicine.

Table 2.
Dual Postdoctoral Training Programs:
Comparison of No. of Dual Programs and Positions by Status^a

Specialty	2012-2013			
	Programs		Positions	
	Approved	Active	Approved	Active
Emergency Medicine	5	5	180	180
Family Medicine	96	92	1241	1202
Geriatrics (family medicine)	1	0	2	0
Internal Medicine	27	26	364	352
Cardiology	1	0	9	0
Hematology and oncology	1	1	3	3
Neurology	1	1	16	16
Obstetrics and Gynecology	2	2	16	16
Pathology				
Forensic pathology	1	0	1	0
Pediatrics	14	14	200	200

(continued)

Table 2 (continued).
Dual Postdoctoral Training Programs:
Comparison of No. of Dual Programs and Positions by Status^a

Specialty	2012-2013			
	Programs		Positions	
	Approved	Active	Approved	Active
Physical Medicine and Rehabilitation	2	2	22	22
Preventive Medicine and Public Health	1	1	3	3
Psychiatry	3	3	34	34
Child and adolescent psychiatry	1	1	6	6
Combined				
Pediatrics and internal medicine	1	1	10	10
Conjoint^b				
Sports medicine	3	2	7	6
Hospice and palliative care	1	1	2	2
Total	161	152	2116	2052

^a Data are current as of official census date May 31, 2013.

^b *Sports medicine* and *hospice and palliative care* are governed by Conjoint Standards by 2 or more specialties.

Table 3.
Dual Postdoctoral Training Programs:
No. of Total New and Dual Approved Osteopathic Residency
Programs and Positions by Calendar Year, 1985-2013

Year	New Programs		New Positions	
	Total, No.	Dual No. (%)	Total, No.	Dual No. (%)
1985-1989	85	6 (7)	818	102 (12)
1990-1999	309	30 (10)	2347	365 (16)
2000-2005	278	58 (21)	1949	469 (24)
2006	76	30 (39)	433	217 (50)
2007	71	17 (24)	532	116 (22)
2008	78	16 (21)	712	131 (18)
2009	54	9 (17)	381	78 (20)
2010	51	6 (12)	475	44 (9)
2011	63	3 (5)	516	21 (4)
2012	86	2 (2)	838	18 (2)
2013 ^a	51	1 (2)	507	12 (2)
2006-2013 Total	530	84 (17)	4394	637 (16)

^a Data are current as of September 25, 2013.

Table 4.
Parallel Postdoctoral Training Programs:
No. of Parallel Programs and Positions by Academic Year

Specialty	2011-2012		2012-2013 ^a	
	Programs	Positions	Programs	Positions
Anesthesiology	1	16	1	16
Dermatology	1	6	1	6
Diagnostic Radiology	2	20	1	12
Emergency Medicine	1	24	1	24
Family Medicine	2	24	4	108
Internal Medicine	6	75	5	69
Gastroenterology	1	12	1	12
Orthopedic Surgery	1	9	0	0
Otolaryngology and Facial Plastic Surgery	1	15	1	15
Psychiatry	1	20	2	44
Surgery (General)	3	50	5	71
Neurologic surgery	1	12	1	12
Plastic and reconstructive surgery	1	3	1	3
Conjoint^b				
Hospice and palliative care	1	1	0	0
Sports medicine	0	0	1	3
Total	21	274	23	380

^a Data are current as of May 2013.

^b *Hospice and palliative care* and *sports medicine* are governed by Conjoint Standards by 2 or more specialties.

Table 5.
Dual Postdoctoral Training Programs: Fill Rates of Dual vs AOA-Only Residency Training Positions, 2011-2012^a

Specialty	Dual		AOA Only ^b		Total	
	Approved	Filled, No. (%)	Approved	Filled, No. (%)	Approved	Filled, No. (%)
Emergency Medicine	172	120 (70)	883	780 (88)	1055	900 (85)
Family Medicine	1171	672 (57)	1528	855 (56)	2699	1527 (57)
Geriatrics (family medicine)	2	0	32	5 (16)	34	5 (15)
Internal Medicine	388	207 (53)	1387	896 (65)	1775	1103 (62)
Cardiology	9	0	153	94 (61)	162	94 (58)
Hematology and oncology	3	2 (67)	21	8 (38)	24	10 (42)
Neurology	16	9 (56)	74	46 (62)	90	55 (61)
Obstetrics and Gynecology	16	15 (94)	375	282 (75)	391	297 (76)
Pathology						
Forensic pathology	1	0	0	0	1	0
Pediatrics	206	146 (71)	62	29 (47)	268	175 (65)
Physical Medicine and Rehabilitation	22	18 (82)	39	6 (15)	61	24 (39)
Preventive Medicine and Public Health	3	1 (33)	0	0	3	1 (33)
Preventive Medicine (Occupational and Environmental)	3	0	0	0	3	0
Psychiatry	43	26 (60)	132	52 (39)	175	78 (45)
Child and adolescent psychiatry	6	3 (50)	6	1 (17)	12	4 (33)
Combined						
Pediatrics and internal medicine	10	8 (80)	0	0	10	8 (80)
Conjoint						
Hospice and palliative care	2	0	13	2 (15)	15	2 (13)
Sports medicine	7	2 (29)	49	16 (33)	56	18 (32)
Total	2080	1229 (59)	4754	3072 (65)	6834	4301 (63)

^a Data are current as of May 2012.

^b Data for American Osteopathic Association (AOA)—only positions do not include the many specialties that do not have positions available in dual programs. For a complete list of AOA residency positions, see the appendix "Osteopathic Graduate Medical Education 2013," which begins on page 299.

Source: AOA Trainee Information, Verification and Registration Audit (TIVRA) system.

Table 6.
Dual Postdoctoral Training Programs: Fill Rates of Dual vs AOA-Only Residency Training Positions, 2012-2013^a

Specialty	Dual		AOA Only ^b		Total	
	Approved	Filled, No. (%)	Approved	Filled, No. (%)	Approved	Filled, No. (%)
Emergency Medicine	180	123 (68)	1023	796 (78)	1203	919 (76)
Family Medicine	1241	745 (60)	1799	986 (55)	3040	1731 (57)
Geriatrics (family medicine)	2	0	38	8 (21)	40	8 (20)
Internal Medicine	364	223 (61)	1603	1055 (66)	1967	1278 (65)
Cardiology	9	0	165	110 (67)	174	10 (63)
Hematology and oncology	3	3 (100)	21	10 (48)	24	13 (54)
Neurology	16	9 (56)	80	55 (69)	96	64 (67)
Obstetrics and Gynecology	16	14 (88)	359	282 (79)	375	296 (79)
Pathology						
Forensic pathology	1	0	0	0	1	0
Pediatrics	200	131 (66)	83	39 (47)	283	170 (60)
Physical Medicine and Rehabilitation	22	17 (77)	39	13 (33)	61	30 (49)
Preventive Medicine and Public Health	3	2 (67)	0	0	3	2 (67)
Psychiatry	34	23 (68)	208	71 (34)	242	94 (39)
Child and adolescent psychiatry	6	4 (67)	12	2 (17)	18	6 (33)
Combined						
Pediatrics and internal medicine	10	7 (70)	0	0	10	7 (70)
Conjoint						
Hospice and palliative care	2	1 (50)	15	1 (7)	17	2 (12)
Sports medicine	7	3 (43)	50	16 (32)	57	19 (33)
Total	2116	1305 (62)	5495	3444 (63)	7611	4749 (62)

^a Data are current as of May 2013.

^b Data for American Osteopathic Association (AOA)-only positions do not include the many specialties that do not have positions available in dual programs. For a complete list of AOA residency positions, see the appendix "Osteopathic Graduate Medical Education 2013," which begins on page 299.

Source: AOA Trainee Information, Verification and Registration Audit (TIVRA) system.

Table 7.
Dual Postdoctoral Training Programs: Board Certification of DOs Who Completed Dual Residency Programs, January 2000 through July 2013^a

Specialty	n ^b	AOA Only, No. (%)	AOA and ABMS, No. (%)	AOA Total, No. (%)	ABMS Only (%)
Emergency Medicine	338	146 (43)	10 (3)	156 (46)	121 (36)
Family Medicine	1639	893 (54)	304 (19)	1197 (73)	310 (19)
Geriatrics (family medicine)	3	2 (67)	0	2 (67)	0
Internal Medicine	338	108 (32)	71 (21)	179 (53)	98 (29)
Hematology and oncology	4	4 (100)	0	4 (100)	0
Neurology	15	8 (53)	0	8 (53)	6 (40)
Obstetrics and Gynecology	9	3 (33)	0	3 (33)	0
Pediatrics	251	114 (45)	40 (16)	154 (61)	76 (30)
Physical Medicine and Rehabilitation	28	8 (29)	11 (39)	19 (68)	6 (21)
Preventive Medicine and Public Health	9	6 (67)	0	6 (67)	0
Psychiatry	49	14 (29)	4 (8)	18 (37)	23 (47)
Child and adolescent psychiatry	6	1 (17)	0	1 (17)	0
Surgery (General)					
Neurological surgery	1	0	0	0	0
Combined					
Pediatrics and internal medicine	12	1 (8)	3 (25)	4 (33)	6 (50)
Conjoint					
Hospice and palliative care	1	0	0	0	0
Sports medicine	39	31 (79)	0	31 (79)	0
Total	2742	1339 (49)	443 (16)	1782 (65)	646 (24)
Total of All Program Completers	NA	49%	16%	65%	24%

^a Data are current as of December 2013.

^b The number of individuals who completed the training program. Not all individuals have achieved certification.

Abbreviations: ABMS, American Board of Medical Specialties; AOA, American Osteopathic Association; NA, not applicable.

Table 8. Comparison of Dual Programs With All Graduate Medical Education (GME) by Specialty, 2012-2013^a

Specialty	All DO GME						Dually Accredited GME					
	Programs			Positions			Programs			Positions		
	Approved	Active	Filled	Approved	Filled	% of all DO GME for the Specialty (Active Programs)	Approved	Active	Filled	Approved	Filled	% of all DO GME for the Specialty (Filled Positions)
Emergency Medicine	50	45	1203	919	5	5	11	180	123	13		
Family Medicine	215	187	3040	1731	96	92	49	1241	745	43		
Geriatrics (family medicine)	13	6	40	8	1	0	<1	2	0	<1		
Internal Medicine	114	99	1967	1278	27	26	26	364	223	17		
Cardiology	26	21	174	110	1	0	<1	9	0	<1		
Hematology and oncology	7	7	24	13	1	1	14	3	3	23		
Neurology	9	8	96	64	1	1	13	16	9	14		
Obstetrics and Gynecology	30	29	375	296	2	2	7	16	14	5		
Pathology												
Forensic pathology	1	0	1	0	1	0	NA	1	0	NA		
Pediatrics	19	18	283	170	14	14	78	200	131	77		
Physical Medicine and Rehabilitation Medicine	5	4	61	30	2	2	50	22	17	57		
Preventive Medicine and Public Health	1	1	3	2	1	1	100	3	2	100		
Psychiatry	16	13	242	94	3	3	23	34	23	24		
Child and adolescent psychiatry	4	3	18	6	1	1	33	6	4	67		
Combined												
Pediatrics and internal medicine	1	1	10	7	1	1	100	10	7	100		
Conjoint												
Hospice and palliative care	7	2	17	2	1	1	50	2	1	50		
Sports medicine	20	12	57	19	3	2	17	7	3	16		
Total	538	456	7611	4749	161	152	33	2116	1305	27		

^a Data are current as of May 2013.
^b Data for all osteopathic (ie, DO) GME programs and positions do not include the many specialties that do not have positions available in dual programs. For a complete list of American Osteopathic Association (AOA) residency positions, see the appendix "Osteopathic Graduate Medical Education 2013," which begins on page 299.
Abbreviation: NA, not applicable.
Source: AOA Trainee Information, Verification and Registration Audit (TIVRA) system.