

9 September 2008

2007 Supply and Demand Survey
ACVP/STP/ASVCP
Demographics Subcommittee, ACVP

Comparison of the 2002 “Supply” Survey to the 2007 “Supply” Survey -- Training Coordinators Survey

Assessment	2002	2007
# responding institutions	38 surveys returned 34 anatomic pathology (AP) programs 23 clinical pathology (CP) programs	37 respondents 34 anatomic pathology (AP) programs 24 clinical pathology (CP) programs
Types of programs	<p>AP</p> <p>~55% had 3 yr residency programs ~50% had 5 yr combined residency / PhD programs ~30% had “other types of programs</p> <p>CP</p> <p>~55% had 3 yr residency programs ~20% had 3 yr residency / MS programs ~30% had 5 yr combined residency / PhD programs ~20% had “other” types of programs</p>	<p>AP</p> <p>~18% had 2 yr residency programs ~65% had 3 yr residency programs ~21% had 3 yr residency / MS programs ~6% had 4 yr residency / PhD programs ~35% had 5 yr residency / PhD programs ~12% had 6 yr residency / PhD programs ~35% had “other types of programs</p> <p>CP</p> <p>~4% had 2 yr residency programs ~55% had 3 yr residency programs ~30% had 3 yr residency / MS programs ~8% had 4 yr residency / PhD programs ~30% had 5 yr residency / PhD programs ~4% had 6 yr residency / PhD programs ~20% had “other” types of programs</p>
Residency vs. Combined Residency / PhD programs		<p>AP</p> <p>79.4% had residency programs 50.0% had combined residency / PhD programs</p> <p>CP</p> <p>83.3% had residency programs 41.17% had combined residency / PhD programs</p>
ACVP Boards as the primary purpose of training	<p>AP – 21/33 (63.6%) yes CP – 20/22 (91%) yes</p>	<p>AP – 14/34 (41.2%) yes 8/34 (23.55) said board eligibility</p>

		CP – 11/24 (45.8%) yes 5/24 (20.8%) said board eligibility
Total number of enrollees in programs (average per institution with this type of program in parentheses)	<p>AP Residency only-- 61 (3.2) Combined residency / MS – 11 (3.7) Combined residency / PhD – 71 (3.9) Other -- 19 (2.7)</p> <p>CP Residency only – 18 (1.5) Combined residency / MS – 4 (1.3) Combined residency / PhD – 17 (1.9) Other – 2 (1.0)</p>	<p>AP Residency only – 91 (4.0) Combined residency / MS – 22 (2.4) Combined residency / PhD – 73 (4.3) Other -- 10 (2.5)</p> <p>CP Residency only – 29 (2.2) Combined residency / MS 12 (2.0) Combined residency / PhD 12 (1.7) Other – 9 (1.8)</p>
Minority Enrollees (average per institution in parentheses)	<p>AP Residency only -- 0 Combined residency / MS – 11 (5.5) Combined residency / PhD – 3 (1.0) Other -- 8 (2.0)</p> <p>CP Residency only – 2 (1.0) Combined residency / MS -- 0 Combined residency / PhD – 1 (1.0) Other -- 2 (1.0)</p>	<p>AP Residency only 10 (1.4) Combined residency / MS 1 (1.0) Combined residency / PhD 9 (1.5) Other -- 0</p> <p>CP Residency only – 1 (1.0) Combined residency / MS 1 (1.0) Combined residency / PhD 3 (3) Other 1 (1.0)</p>
Noncitizen / Nonresident Enrollees (average per institution in parentheses)	<p>AP Residency only – 14 (1.6) Combined residency / MS – 9 (4.5) Combined residency / PhD – 10 (1.7) Other – 7 (2.0)</p> <p>CP Residency only – 4 (1.0) Combined residency / MS -- 0 Combined residency / PhD – 1 (1.0) Other 1 (1.0)</p>	<p>AP Residency only -- 24 (1.7) Combined residency / MS -- 8 (2.7) Combined residency / PhD – 11 (2.2) Other – 0 (0)</p> <p>CP Residency only – 11 (1.2) Combined residency / MS -- 1.0) Combined residency / PhD -- 2 (2.0) Other – 5 (1.7)</p>
		AP Institutional -- 91

Training positions, by funding source	AP -- Not done in 2002	State -- 45 Federal government -- 5 Industry -- 4 Foundation -- 3 Endowment / Gift -- 1 Other -- 1
	CP – Not done in 2002	CP Institutional -- 35 State -- 5 Federal government -- 4 Industry -- 7 Foundation -- 0 Endowment / Gift -- 0 Other -- 11
Type of program funded, by source RO – Residency only RMS – Residency / MS RPHD – Residency/ PhD O -- Other	AP -- Not done in 2002	AP Institutional -- RO, 52.9%; RMS, 23.5%, RPHD, 23.5%; O, 2.9% State – RO, 20.6%; RMS, 14.7%; RPHD, 11.8%; O, 0% Federal government -- RO, 14.7%, RMS, 5.9%; RPHD, 26.5%; O, 5.9% Industry – RO, 14.7%; PMS, 5.9%; RPHD, 8.8%; O, 0% Foundation – RO, 8.8%; RMS, 0%; RPHD, 8.8%; O, 0% Endowment / Gift – RO, 2.9%; RMS, 0%; RPHD, 5.9%; O, 2.9% Other – RO, 14.7%; RMS, 2.9%; RPHD, 5.9%; O, 0%
	CP – Not done in 2002	CP Institutional -- RO, 45.8%; RMS, 29.2%, RPHD, 16.7%; O, 8.3% State – RO, 0%; RMS, 4.2%; RPHD, 8.3%; O, 12.5% Federal government -- RO, 0%, RMS, 0%; RPHD, 4.2%; O, 0.9% Industry – RO, 12.5%; PMS, 8.3%; RPHD, 4.2%; O, 0%

		<p>Foundation – RO, 0%; RMS, 0%; RPHD, 0%; O, 0%</p> <p>Endowment / Gift – RO, 0%; RMS, 0%; RPHD, 0%; O, 0%</p> <p>Other – RO, 8.3%; RMS, 8.3%; RPHD, 12.5%; O, 8.3%</p>
Number of years of funding, by source – average yr. funded + total years funded	<p>AP -- Not done in 2002</p> <p>CP – Not done in 2002</p>	<p>AP</p> <p>Institutional -- 3.3 yr, total 79 yr.</p> <p>State -0- 3.3 yr., total 46 yr.</p> <p>Federal government -- 4.3 yr., total 47 yr.</p> <p>Industry -- 3.1 yr., total 28 yr.</p> <p>Foundation -- 2.8 yr., total 14 yr.</p> <p>Endowment / Gift -- 3.3 yr., total 10 yr.</p> <p>Other -- 3.3 yr., total 20 yr.</p> <p>CP</p> <p>Institutional -- 3.3 yr., total 53 yr.</p> <p>State -- 3 yr., total 14 yr.</p> <p>Federal government -- 3 yr., total 6 yr.</p> <p>Industry -- 3.2 yr., total 19 yr.</p> <p>Foundation -- 0 yr., total 0 yr.</p> <p>Endowment / Gift -- 0 yr., total 0 yr.</p> <p>Other -- 2.9 yr., total 23 yr.</p>
Changes in positions since 2002 (gained vs. lost)	<p>AP -- Not applicable</p> <p>CP – Not applicable</p>	<p>AP</p> <p>Total gained: 60 (2.3/program); total lost: 6 (0.23/program)</p> <p>Institutional – 21 gained, 2 lost</p> <p>State – 2 gained, 1 lost</p> <p>Federal government -- 13 gained, 2 lost</p> <p>Industry – 16 gained, 0 lost</p> <p>Foundation – 4 gained, 0 lost</p> <p>Endowment / Gift -- 0 gained, 0 lost</p> <p>Other – 9 gained, 0 lost</p> <p>CP</p> <p>Total gained 15 (0.63/program); total lost: 0</p> <p>Institutional 3 gained, 0 lost</p> <p>State – 1 gained, 0 lost</p>

		Federal government – 0 gained, 0 lost Industry -- 9 gained, 0 lost Foundation – 0 gained, 0 lost Endowment / Gift – 0 gained, 0 lost Other – 0 gained, 0 lost
Perceived adequacy of number of positions	AP Too few 55% Right number 42% Too many 3%	AP Too few 26% Right number 65% Too many 9%
	CP Too few 50% Right number 50% Too many 0%	CP Too few 18% Right number 82% Too many 0%
Level of difficulty recruiting	AP Not difficult at all 1/31 (~2%) Not too difficult 5/31 (~10%) Somewhat difficult 20/31 (~65%) Very difficult 7/31 (~23%)	AP Not difficult at all 9% Not too difficult 53% Somewhat difficult 32% Very difficult 6%
	CP Not difficult at all 4/2 (~18%) Not too difficult 4/22 (~18%) Somewhat difficult 10/22 (~46%) Very difficult 4/22 (~18%)	CP Not difficult at all 9% Not too difficult 48% Somewhat difficult 35% Very difficult 9%
Barriers to recruiting qualified candidates (percentage of times listed as a factor)	AP: Concern with debt 57% Stipends too low 57% Other specialties 48% Programs too long 37% Program location 33% Candidates don't want PhD training 18% Insufficient financial return 0% Other 57%	AP: Concern with debt 31% Stipends too low 46% Other specialties 23% Programs too long 30% Program location 46% Candidates don't want PhD training 15% Insufficient financial return 0% Other 85%
	CP: Concern with debt 64% Stipends too low 57%	CP: Concern with debt 60% Stipends too low 70%

	<p>Other specialties 71% Programs too long 35% Program location 29% Candidates don't want PhD training 7% Insufficient financial return 14% Other 50%</p>	<p>Other specialties 50% Programs too long 20% Program location 30% Candidates don't want PhD training 50% Insufficient financial return 10% Other 30%</p>
<i>Primary difficulty in recruiting</i>	<p>AP: Concern with debt 15% Stipends too low 23% Other specialties 19% Programs too long 4% Program location Candidates don't want PhD training Insufficient financial return Other 40%</p> <p>CP: Concern with debt 23% Stipends too low 15% Other specialties 31% Programs too long Program location Candidates don't want PhD training 8% Insufficient financial return Other 23%</p>	<p>AP: Concern with debt 0% Stipends too low 0% Other specialties 20% Programs too long 20% Program location 10% Candidates don't want PhD training Insufficient financial return 0% Other 50%</p> <p>CP: Concern with debt 11% Stipends too low 33% Other specialties 0% Programs too long 11% Program location 0% Candidates don't want PhD training 11% Insufficient financial return 0% Other 33%</p>
Factors limiting # of positions (percentage of times listed as a factor)	<p>AP: Funding for residencies 94% Funding for PhDs 41% Number of faculty 32% Number of applicants 26% Other 15%</p> <p>CP Funding for residencies 95% Funding for PhDs 37% Number of faculty 47% Number of applicants 16% Other 10%</p>	<p>AP: Funding for residencies 88% Funding for PhDs 35% Number of faculty 62% Number of applicants 15% Other 29%</p> <p>CP Funding for residencies 92% Funding for PhDs 25% Number of faculty 42% Number of applicants 8% Other 17%</p>

<p><i>Primary factor limiting # of positions</i></p>	<p>AP: Funding for residencies 61% Funding for PhDs 9% Number of faculty 15% Number of applicants 12% Other 3%</p> <p>CP Funding for residencies 85% Funding for PhDs 5% Number of faculty 5% Number of applicants 5% Other</p>	<p>AP: Funding for residencies 52% Funding for PhDs 7% Number of faculty 17% Number of applicants 3% Other 21%</p> <p>CP Funding for residencies 58% Funding for PhDs 0% Number of faculty 16% Number of applicants 5% Other 21%</p>
<p><i>Average # of applicants / positions last two years</i></p>	<p>AP 3.3/program (31 programs), range 1-10 61% positions 1-3 applicants 35% positions 4-6 applicants 3% positions >7 applicants</p> <p>CP 5.1/program (21 programs), range 1-15 43% positions 1-3 applicants 38% positions 4-6 applicants 19% positions >7 applicants</p>	<p>AP 7.1/program (34 programs), range 0-30 41% positions 1-3 applicants 21% positions 4-6 applicants 38% positions >7 applicants</p> <p>CP 5.3/program (23 programs), range 1-20 39% positions 1-3 applicants 39% positions 4-6 applicants 22% positions >7 applicants</p>
<p><i>Perceptions about # qualified candidates now vs. 5 yr ago</i></p>	<p>AP Fewer 58% Same 36% More 6%</p> <p>CP Fewer 33% Same 50% More 17%</p>	<p>AP Fewer 18% Same 30% More 52%</p> <p>CP Fewer 0% Same 74% More 26%</p>
<p><i>Number of program graduates past 5 yr</i></p>	<p>AP 88% had graduates, average 6.2/program, 185 total</p> <p>CP</p>	<p>AP 90.9% had graduates, average 7.0/program, 211 total</p> <p>CP</p>

	86% had graduates, average 2.9/program, 55 total	83.3% had graduates, average 3.4/program, 67 total
	AP Academia 51 Pharma 43 Government 31 Private laboratories 15 Self-employed 6 Contract laboratories 11 Chemical companies 1 Not employed 7 Other 14 Unknown 3	AP Academia 87 Pharma 45 Government 22 Private laboratories 23 Self-employed 2 Contract laboratories 22 Chemical companies 1 Not employed 4 Other 6 Unknown 5
Placement after completion of program (absolute numbers)	CP Academia 24 Pharma 8 Government 2 Private laboratories 14 Self-employed 5 Contract laboratories 1 Chemical companies 2 Not employed 4 Other 1 Unknown 1	CP Academia 35 Pharma 5 Government 1 Private laboratories 22 Self-employed 1 Contract laboratories 1 Chemical companies Not employed 0 Other 1 Unknown 0
	AP 2002 1.5/program, 30 total 2003 2.2/program, 51 total 2004 1.7/program, 44 total 2005 1.6/program, 31 total 2006 2.4/program, 26 total 2007 2.1/program, 15 total	AP 2008 2.1/program, 60 total 2009 1.8/program, 51 total 2010 2.0/program, 50 total 2011 2.0/program, 40 total 2012 2.0/program, 28 total >2013 2.6/program, 21 total
Anticipated graduates next five years out	CP 2002 2.6/program, 7 total 2003 1.2/program, 15 total 2004 1.1/program, 12 total 2005 1.0/program, 10 total 2006 1.0/program, 5 total 2007 1.4 /program, 7 total	CP 2008 1.3/program, 8 total 2009 1.0/program, 5 total 2010 1.3/program, 9 total 2011 1.3/program, 12 total 2012 1.0/program, 7 total >2013 1.0/program, 1 total

Anticipated open positions four years out	AP		AP	
	2001	2.1/program, 59 total	2007	2.2/program, 63 total
	2002	2.1/program, 55 total	2008	2.5/program, 65 total
	2003	2.3/program 57 total	2009	2.3/program, 63 total
	2004	2.2/program, 56 total	2010	2.4/program, 61 total
	CP		CP	
	2001	1.1/program, 14 total	2007	1.2/program, 22 total
	2002	1.2/program, 15 total	2008	1.2/program, 33 total
	2003	1.4/program, 14 total	2009	1.1/program, 18 total
	2004	1.2/program, 13 total	2010	1.2/program, 18 total