

Supplemental Digital Appendix 1

Accreditation Council for Graduate Medical Education (ACGME) Specialty and Subspecialty Competency Lists Matched to the Foundational Reference List^{*,†}

1. Abdominal Radiology-DR
(http://www.acgme.org/acgmeweb/Portals/0/PFAssets/ProgramRequirements/421_abdominal_diag_rad_07012010_1-YR.pdf)
2. Addiction-PY
(http://www.acgme.org/acgmeweb/Portals/0/PFAssets/ProgramRequirements/401pr703_u105.pdf)
3. Adolescent Medicine-PE
(http://www.acgme.org/acgmeweb/Portals/0/PFAssets/ProgramRequirements/321_adolescent_medicine_peds_07012007.pdf)
4. Adult Cardiothoracic Anesthesiology
(<http://www.acgme.org/acgmeweb/Portals/0/PFAssets/ProgramRequirements/041pr206.pdf>)
5. Adult Reconstructive Surgery-OS
(http://www.acgme.org/acgmeweb/Portals/0/PFAssets/ProgramRequirements/261_Adult_Recon_Ortho_Surg_07012008.pdf)
6. Advanced Heart Failure and Transplant Cardiology-IM
(http://www.acgme.org/acgmeweb/Portals/0/PFAssets/ProgramRequirements/159_AHFTC_int_med_02042012_1-YR.pdf)
7. Allergy & Immunology
(http://www.acgme.org/acgmeweb/Portals/0/PFAssets/ProgramRequirements/020_allergy_immunology_07012007_u04072009.pdf)
8. Anesthesiology
(http://www.acgme.org/acgmeweb/Portals/0/PFAssets/ProgramRequirements/040_anesthesiology_07012011.pdf)
9. Blood Banking-PA
(<http://www.acgme.org/acgmeweb/Portals/0/PFAssets/ProgramRequirements/305pr704.pdf>)
10. Cardiology-PE
(http://www.acgme.org/acgmeweb/Portals/0/PFAssets/ProgramRequirements/325_cardiology_peds_07012007.pdf)
11. Cardiovascular Disease-IM
(http://www.acgme.org/acgmeweb/Portals/0/PFAssets/ProgramRequirements/141_cardiovascular_disease_int_med_07012012.pdf)
12. Chemical Pathology
(<http://www.acgme.org/acgmeweb/Portals/0/PFAssets/ProgramRequirements/306chem07012004.pdf>)
13. Child Abuse-PE
(http://www.acgme.org/acgmeweb/Portals/0/PFAssets/ProgramRequirements/339_child_abuse_peds_02062010.pdf)
14. Child and Adolescent Psychiatry
(<http://www.acgme.org/acgmeweb/Portals/0/PFAssets/ProgramRequirements/405pr07012007.pdf>)
15. Child Neurology-NE
(<http://www.acgme.org/acgmeweb/Portals/0/PFAssets/ProgramRequirements/185childneurology07012007.pdf>)

*The authors obtained the Program Requirements for Graduate Medical Education for each specialty/subspecialty from the ACGME's Web site between May 4 and May 7, 2012, via the links indicated. The most recent versions of these documents can be retrieved from <http://www.acgme.org/acgmeweb/tabid/83/ProgramandInstitutionalGuidelines.aspx>.

†Subspecialties that are not clearly identifiable to a specific specialty are noted using the following abbreviations: AN = anesthesia; DR = diagnostic radiology; EM = emergency medicine; FM = family medicine; IM = internal medicine; MG = medical genetics; NE = neurology; NS = neurosurgery; OS = orthopedic surgery; OT = otolaryngology; PA = pathology; PE = pediatrics; PR = physical medicine and rehabilitation; PS = plastic surgery; PY = psychiatry; SU = surgery; TS = thoracic surgery; UR = urology. "Subspecialties of [Diagnostic Radiology, Internal Medicine, Pediatrics]" denotes the common competencies of the subspecialties for that specialty.

16. Clinical Cardiac Electrophysiology-IM
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/154_clinical_card_elctrophys_int_med_07012012_1-YR.pdf)
17. Clinical Neurophysiology-NE
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/187pr101_u105.pdf)
18. Colon and Rectal Surgery
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/060_colon_rectal_surgery_07012011.pdf)
19. Congenital Cardiac-TS
(<http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/466pr206.pdf>)
20. Craniofacial Surgery-PS
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/361pr997_u1004.pdf)
21. Critical Care-AN
(<http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/045pr101.pdf>)
22. Critical Care Medicine-IM
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/142_critical_care_int_med_07012012.pdf)
23. Cytopathology-PA
(<http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/307cytopathology07012004.pdf>)
24. Dermatology
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/080dermatology_07012007.pdf)
25. Dermatopathology-DE
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/100_dermatopathology_07012011_1-YR.pdf)
26. Developmental - Behavioral Pediatrics
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/336_developmental_behavioral_peds_07012009.pdf)
27. Diagnostic Radiology
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/420_diagnostic_radiology_07012008.pdf)
28. Emergency Medicine
(<http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/110emergencymed07012007.pdf>)
29. Endocrinology, Diabetes, & Metabolism-IM
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/143_endocrinology_diab_metab_int_med_07012012.pdf)
30. Endovascular Surgical Neuroradiology-NS
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/163_endovascular_neuroradiology_01012008_u06102008.pdf)
31. Endovascular Surgical Neuroradiology-DR
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/182_endovascular_neuroradiology_01012008_u06102008.pdf)
32. Family Medicine
(<http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/120pr07012007.pdf>)
33. Foot & Ankle Surgery-OS
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/262_Foot_and_Ankle_Ortho_Surg_07012008.pdf)
34. Forensic Pathology
(<http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/310forensicpath07012004.pdf>)
35. Forensic Psychiatry
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/406pr703_u105.pdf)
36. Gastroenterology-IM
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/144_gastroenterology_int_med_07012012.pdf)
37. General Subspecialties in EM
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/110emergencymedicinesubs_07012007.pdf)
38. General Surgery
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/440_general_surgery_01012008_07012012.pdf)
39. Geriatric Medicine-FM
(<http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/125pr0706.pdf>)

40. Geriatric Medicine-IM
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/151pr707_ims.pdf)
41. Geriatric Psychiatry
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/407pr703_u105.pdf)
42. Hand Surgery-OS
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/263_Hand_Surgery_07012008.pdf)
43. Hematology-IM
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/145_hematology_int_med_07012012.pdf)
44. Hematology-PA
(<http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/311hematologypath07012004.pdf>)
45. Hematology/Oncology-IM
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/155_hematology_oncology_int_med_07012012.pdf)
46. Hospice and Palliative Medicine-FM
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/540_hospice_and_palliative_medicine_02122008.pdf)
47. Infectious Disease-IM
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/146_infectious_disease_int_med_07012012.pdf)
48. Internal Medicine
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/140_internal_medicine_07012009.pdf)
49. Interventional Cardiology-IM
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/152_interventional_card_int_med_07012012_1-YR.pdf)
50. Medical Biochemical Genetics-MG
(<http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/131medicalbiochemicalgenetics02132007.pdf>)
51. Medical Genetics
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/130medicalgenetics_07012007.pdf)
52. Medical Microbiology-PA
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/314medmicrobiology_path07012004.pdf)
53. Medical Oncology-IM
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/147_medical_oncology_int_med_07012012.pdf)
54. Medical Toxicology-EM
(<http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/118medtoxem07012007.pdf>)
55. Molecular Genetic Pathology-MG
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/190_molecular_genetic_pathology_07012007.pdf)
56. Musculoskeletal Oncology-OS
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/270_Musculoskeletal_Oncology_07012008.pdf)
57. Musculoskeletal Radiology-DR
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/426_musculoskeletal_diag_rad_07012010_1-YR.pdf)
58. Neonatal-Perinatal Medicine-PE
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/329_neonatal-perinatal_peds_07012007.pdf)
59. Nephrology-IM
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/148_nephrology_int_med_07012012.pdf)
60. Neurodevelopmental Disabilities-NE
(<http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/186neurodevelopmentaldisabilities07012007.pdf>)
61. Neurological Surgery
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/160_neurological_surgery_07012009.pdf)
62. Neurology
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/180_neurology_07012010.pdf)

63. Neuromuscular Medicine-NE
(<http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/183pr205.pdf>)
64. Neuropathology
(<http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/315neuropathology07012007.pdf>)
65. Neuroradiology
(<http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/423pr0707.pdf>)
66. Neurotology-OT
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/286_Neurotology_Otolaryngology_07012007.pdf)
67. Nuclear Medicine
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/200_nuclear_medicine_07012011.pdf)
68. Obstetric Anesthesiology-AN
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/043_obstetric_anesthesiology_10012011_1-YR.pdf)
69. Obstetrics/Gynecology
(<http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/220obstetricsandgynecology01012008.pdf>)
70. Ophthalmic Plastic and Reconstructive Surgery
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/241_ophthalmic_plastic_and_reconstructive_surgery_09132009.pdf)
71. Ophthalmology
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/240_ophthalmology_07012007_u7012009.pdf)
72. Orthopaedic Sports Medicine
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/268_Orthopaedic_Sports_Medicine_07012008.pdf)
73. Orthopaedic Surgery
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/260_orthopaedic_surgery_07012012.pdf)
74. Orthopaedic Trauma
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/269_Orthopaedic_Trauma_07012008.pdf)
75. Otolaryngology
(<http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/280otopr707.pdf>)
76. Pain Medicine-AN
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/sh_multiPainPR707.pdf)
77. Pathology
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/300pathology_07012007.pdf)
78. Pediatric Emergency Medicine-PE
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/324_emergency_medicine_peds_07012007.pdf)
79. Pediatric Anesthesiology-AN
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/042pr704_u1204.pdf)
80. Pediatric Critical Care
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/323_critical_care_peds_07012007.pdf)
81. Pediatric Endocrinology
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/326_endocrinology_peds_07012009.pdf)
82. Pediatric Gastroenterology
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/332_gastroenterology_peds_07012009.pdf)
83. Pediatric Hematology/Oncology
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/327_hematology-oncology_peds_07012007.pdf)
84. Pediatric Infectious Diseases-PE
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/335_infectious_disease_peds_07012009.pdf)
85. Pediatric Nephrology-PE
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/328_nephrology_peds_07012009.pdf)
86. Pediatric Orthopaedic Surgery-OS
(http://www.acgme.org/acgmeweb/Portals/0/PFAassets/ProgramRequirements/269_Orthopaedic_Trauma_07012008.pdf)

- ssets/ProgramRequirements/260_orthopaedic_surgery_07012012.pdf)
87. Pediatric Otolaryngology-OT
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/288_Pediatric_Otolaryngology_07012006.pdf)
88. Pediatric Pathology-PA
(<http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/316pediatricpathology07012004.pdf>)
89. Pediatric Pulmonology-PE
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/330_pulmonology_peds_07012009.pdf)
90. Pediatric Radiology-DR
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/424_pediatric_diag_rad_07012010_1-YR.pdf)
91. Pediatric Rehabilitation Medicine-PR
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/346_pediatric_rehabilitation_pmr_07012011_1-YR.pdf)
92. Pediatric Rheumatology-PE
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/331_rheumatology_peds_07012007.pdf)
93. Pediatric Surgery-SU
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/445_pediatric_surgery_07012007_u08102008.pdf)
94. Pediatric Transplant Hepatology-PE
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/338_pediatric_transplant_hepatology_11162008.pdf)
95. Pediatric Urology-UR
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/485_pediatric_urology_07012009.pdf)
96. Pediatrics
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/320_pediatrics_07012007.pdf)
97. Physical Medicine & Rehabilitation
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/340_physical_medicine_and_rehabilitation_07012007.pdf)
98. Plastic Surgery
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/360_plastic_surgery_07012009_f07012012.pdf)
99. Preventive Medicine
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/380_preventive_medicine_PRs_07012011.pdf)
100. Procedural Dermatology
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/081_procedural_derm_07012010_1-YR_m08172011.pdf)
101. Psychiatry
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/400_psychiatry_07012007_u04122008.pdf)
102. Psychosomatic Medicine-PY
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/409pr603_u105.pdf)
103. Pulmonary Disease-IM
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/149_pulmonary_disease_int_med_07012012.pdf)
104. Pulmonary/Critical Care-IM
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/156_pulmonary_critical_care_int_med_07012012.pdf)
105. Radiation Oncology
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/430_radiation_oncology_01012009_f07012011.pdf)
106. Rheumatology-IM
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/150_rheumatology_int_med_07012012.pdf)
107. Sleep Medicine-IM
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/520_sleep_medicine_07012012.pdf)
108. Spinal Cord Injury Medicine-PR
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/345_spinal_cord_injury_PRs_07012011_1-YR.pdf)
109. Spinal Surgery-OS
(http://www.acgme.org/acgmeweb/Portals/0/PFA/ssets/ProgramRequirements/345_spinal_cord_injury_PRs_07012011_1-YR.pdf)

ssets/ProgramRequirements/267_Ortho_Surgery_of_the_Spine_07012008.pdf)

110. Sports Medicine-FM

(http://www.acgme.org/acgmeweb/Portals/0/PFA_ssets/ProgramRequirements/116-127-333-342_sports_medicine_07012011.pdf)

111. Subspecialties of Diagnostic Radiology

(http://www.acgme.org/acgmeweb/Portals/0/PFA_ssets/ProgramRequirements/420_diagnostic_radiology_subs_07012010_1-YR.pdf)

112. Subspecialties of Internal Medicine

(http://www.acgme.org/acgmeweb/Portals/0/PFA_ssets/2013-PR-FAQ-PIF/140_internal_medicine_07012013.pdf)

113. Subspecialties of Pediatrics

(http://www.acgme.org/acgmeweb/Portals/0/PFA_ssets/ProgramRequirements/320_pediatrics_subs_01012007.pdf)

114. Surgical Critical Care-SU

(http://www.acgme.org/acgmeweb/Portals/0/PFA_ssets/ProgramRequirements/442_surgical_critical_care_07012012_1-YR.pdf)

115. Thoracic Surgery

(http://www.acgme.org/acgmeweb/Portals/0/PFA_ssets/ProgramRequirements/460thoracicsurgery01012008.pdf)

ssets/ProgramRequirements/460thoracicsurgery01012008.pdf)

116. Transitional Year

(http://www.acgme.org/acgmeweb/Portals/0/PFA_ssets/ProgramRequirements/999transitionalyear07012007.pdf)

117. Transplant Hepatology-IM

(http://www.acgme.org/acgmeweb/Portals/0/PFA_ssets/ProgramRequirements/158_transplant_hepatology_int_med_07012012_1-YR.pdf)

118. Undersea and Hyperbaric Medicine-EM

(http://www.acgme.org/acgmeweb/Portals/0/PFA_ssets/ProgramRequirements/398pr202_u704.pdf)

119. Urology

(http://www.acgme.org/acgmeweb/Portals/0/PFA_ssets/ProgramRequirements/480_urology_07012009.pdf)

120. Vascular Neurology-NE

(http://www.acgme.org/acgmeweb/Portals/0/PFA_ssets/ProgramRequirements/188pr202_u105.pdf)

121. Vascular Surgery-SU

(http://www.acgme.org/acgmeweb/Portals/0/PFA_ssets/ProgramRequirements/450_vascular_surgery_07012007_u07012008.pdf)