



# 2020 Specialty Supplement Report on Secondary Specialty

National Commission on Certification of PAs

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# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Cardiology**

Secondary Specialty Area	2020	2016
<b>Cardiology</b>	<b>24.4%</b>	<b>23.7%</b>
Cardiothoracic and vascular surgery	2.9%	2.2%
Critical care medicine	2.5%	0.9%
Dermatology	0.0%	0.0%
Emergency medicine	19.3%	19.3%
Family medicine/general practice	6.3%	7.9%
Gastroenterology	0.8%	0.9%
General surgery	0.8%	0.4%
Geriatrics	0.8%	0.9%
Hospital medicine	14.7%	15.8%
Internal medicine-general	3.4%	5.3%
Neurology	0.0%	0.0%
Neurosurgery	0.4%	0.9%
Obstetrics and gynecology	0.4%	0.0%
Occupational medicine	0.8%	0.9%
Oncology	0.4%	0.4%
Orthopaedic surgery	0.8%	0.9%
Otolaryngology	0.0%	0.0%
Pain medicine	0.4%	0.0%
Pediatrics- general	0.4%	0.9%
Physical medicine and rehabilitation	0.4%	0.4%
Plastic surgery	0.0%	0.0%
Psychiatry	1.7%	1.3%
Urology	0.4%	0.4%
All other specialties	18.0%	16.6%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Cardiothoracic and vascular surgery**

Secondary Specialty Area	2020	2016
Cardiology	3.8%	3.4%
<b>Cardiothoracic and vascular surgery</b>	<b>36.5%</b>	<b>29.0%</b>
Critical care medicine	8.0%	9.9%
Dermatology	0.5%	0.6%
Emergency medicine	12.5%	15.8%
Family medicine/general practice	3.8%	5.1%
Gastroenterology	0.3%	0.3%
General surgery	8.0%	7.9%
Geriatrics	0.0%	0.6%
Hospital medicine	3.0%	3.4%
Internal medicine-general	3.0%	3.4%
Neurology	0.3%	0.0%
Neurosurgery	0.8%	1.1%
Obstetrics and gynecology	0.0%	0.8%
Occupational medicine	0.5%	0.6%
Oncology	0.5%	0.3%
Orthopaedic surgery	2.0%	2.8%
Otolaryngology	0.0%	0.0%
Pain medicine	0.8%	0.0%
Pediatrics- general	0.0%	0.3%
Physical medicine and rehabilitation	0.3%	0.3%
Plastic surgery	0.0%	0.6%
Psychiatry	0.0%	0.6%
Urology	0.5%	0.8%
All other specialties	14.9%	12.4%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Critical care medicine**

Secondary Specialty Area	2020	2016
Cardiology	3.3%	4.6%
Cardiothoracic and vascular surgery	2.4%	3.3%
<b>Critical care medicine</b>	<b>27.7%</b>	<b>23.4%</b>
Dermatology	0.5%	0.7%
Emergency medicine	17.9%	20.1%
Family medicine/general practice	4.4%	5.3%
Gastroenterology	0.3%	0.0%
General surgery	4.1%	5.6%
Geriatrics	0.8%	0.3%
Hospital medicine	12.3%	10.5%
Internal medicine-general	2.3%	3.3%
Neurology	0.3%	1.0%
Neurosurgery	4.4%	2.6%
Obstetrics and gynecology	0.0%	0.3%
Occupational medicine	1.0%	1.3%
Oncology	0.5%	0.3%
Orthopaedic surgery	1.0%	0.0%
Otolaryngology	0.0%	0.0%
Pain medicine	0.0%	0.7%
Pediatrics- general	0.3%	0.3%
Physical medicine and rehabilitation	0.3%	0.7%
Plastic surgery	0.5%	0.7%
Psychiatry	0.5%	0.3%
Urology	0.0%	0.0%
All other specialties	15.2%	14.7%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Dermatology**

Secondary Specialty Area	2020	2016
Cardiology	0.0%	0.5%
Cardiothoracic and vascular surgery	0.9%	1.0%
Critical care medicine	0.4%	1.4%
<b>Dermatology</b>	<b>34.2%</b>	<b>34.8%</b>
Emergency medicine	16.9%	16.2%
Family medicine/general practice	7.1%	12.4%
Gastroenterology	0.9%	1.0%
General surgery	1.3%	1.0%
Geriatrics	0.4%	1.4%
Hospital medicine	0.9%	0.0%
Internal medicine-general	3.1%	2.4%
Neurology	0.4%	0.0%
Neurosurgery	0.0%	0.5%
Obstetrics and gynecology	0.4%	0.5%
Occupational medicine	1.8%	1.4%
Oncology	0.0%	0.0%
Orthopaedic surgery	0.9%	0.5%
Otolaryngology	0.9%	1.4%
Pain medicine	0.9%	0.0%
Pediatrics- general	0.4%	1.0%
Physical medicine and rehabilitation	0.4%	0.0%
Plastic Surgery	1.3%	1.9%
Psychiatry	0.4%	1.0%
Urology	0.0%	0.5%
All other specialties	26.1%	19.2%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Emergency medicine**

Secondary Specialty Area	2020	2016
Cardiology	0.5%	0.5%
Cardiothoracic and vascular surgery	0.3%	0.2%
Critical care medicine	1.6%	0.7%
Dermatology	0.8%	0.6%
<b>Emergency medicine</b>	<b>50.7%</b>	<b>53.3%</b>
Family medicine/general practice	9.9%	11.7%
Gastroenterology	0.1%	0.1%
General surgery	0.9%	1.1%
Geriatrics	0.3%	0.4%
Hospital medicine	2.6%	2.5%
Internal medicine-general	1.9%	2.6%
Neurology	0.2%	0.1%
Neurosurgery	0.2%	0.2%
Obstetrics and gynecology	0.0%	0.2%
Occupational medicine	2.3%	2.4%
Oncology	<0.1%	0.0%
Orthopaedic surgery	1.7%	1.8%
Otolaryngology	0.2%	0.1%
Pain medicine	0.4%	0.2%
Pediatrics- general	0.9%	1.0%
Physical medicine and rehabilitation	0.3%	0.4%
Plastic Surgery	0.4%	0.6%
Psychiatry	0.6%	0.6%
Urology	0.1%	0.1%
All other specialties	23.1%	18.6%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Family medicine/general practice**

Secondary Specialty Area	2020	2016
Cardiology	0.4%	0.4%
Cardiothoracic and vascular surgery	0.2%	0.0%
Critical care medicine	0.8%	0.6%
Dermatology	0.8%	0.9%
Emergency medicine	24.1%	27.4%
<b>Family medicine/general practice</b>	<b>24.6%</b>	<b>28.0%</b>
Gastroenterology	0.1%	0.2%
General surgery	0.4%	0.8%
Geriatrics	1.2%	0.8%
Hospital medicine	2.0%	2.1%
Internal medicine-general	2.2%	2.5%
Neurology	0.3%	0.1%
Neurosurgery	0.1%	0.2%
Obstetrics and gynecology	0.4%	0.5%
Occupational medicine	3.5%	3.0%
Oncology	0.1%	0.0%
Orthopaedic surgery	0.9%	1.2%
Otolaryngology	0.2%	0.1%
Pain medicine	0.5%	0.2%
Pediatrics- general	1.7%	2.1%
Physical medicine and rehabilitation	0.3%	0.6%
Plastic Surgery	0.1%	0.2%
Psychiatry	1.6%	1.8%
Urology	0.3%	0.1%
All other specialties	33.2%	26.2%



# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Gastroenterology**

Secondary Specialty Area	2020	2016
Cardiology	1.0%	1.1%
Cardiothoracic and vascular surgery	1.0%	2.2%
Critical care medicine	3.0%	1.1%
Dermatology	0.0%	0.0%
Emergency medicine	13.0%	22.0%
Family medicine/general practice	11.0%	13.2%
<b>Gastroenterology</b>	<b>14.0%</b>	<b>12.1%</b>
General surgery	3.0%	2.2%
Geriatrics	0.0%	1.1%
Hospital medicine	14.0%	5.5%
Internal medicine-general	4.0%	6.6%
Neurology	1.0%	1.1%
Neurosurgery	0.0%	0.0%
Obstetrics and gynecology	0.0%	0.0%
Occupational medicine	1.0%	1.1%
Oncology	0.0%	1.1%
Orthopaedic surgery	0.0%	1.1%
Otolaryngology	0.0%	0.0%
Pain medicine	0.0%	0.0%
Pediatrics- general	0.0%	0.0%
Physical medicine and rehabilitation	2.0%	1.1%
Plastic Surgery	0.0%	0.0%
Psychiatry	1.0%	0.0%
Urology	0.0%	0.0%
All other specialties	31.0%	27.4%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**General surgery**

Secondary Specialty Area	2020	2016
Cardiology	0.5%	0.8%
Cardiothoracic and vascular surgery	2.1%	3.9%
Critical care medicine	1.6%	2.1%
Dermatology	0.7%	0.8%
Emergency medicine	16.4%	18.4%
Family medicine/general practice	5.6%	7.8%
Gastroenterology	1.4%	2.1%
<b>General surgery</b>	<b>23.2%</b>	<b>25.1%</b>
Geriatrics	0.7%	0.5%
Hospital medicine	5.4%	3.6%
Internal medicine-general	2.6%	2.8%
Neurology	0.2%	0.3%
Neurosurgery	1.4%	2.3%
Obstetrics and gynecology	0.7%	0.3%
Occupational medicine	0.9%	1.8%
Oncology	0.7%	0.3%
Orthopaedic surgery	5.4%	4.9%
Otolaryngology	0.5%	0.3%
Pain medicine	0.7%	0.3%
Pediatrics- general	0.5%	0.0%
Physical medicine and rehabilitation	0.0%	0.0%
Plastic Surgery	1.6%	1.6%
Psychiatry	1.2%	0.8%
Urology	0.9%	0.8%
All other specialties	25.1%	18.4%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Geriatrics**

Secondary Specialty Area	2020	2016
Cardiology	1.2%	0.0%
Cardiothoracic and vascular surgery	1.2%	1.2%
Critical care medicine	0.0%	2.4%
Dermatology	1.2%	0.0%
Emergency medicine	14.6%	11.8%
Family medicine/general practice	15.9%	15.3%
Gastroenterology	1.2%	0.0%
General surgery	1.2%	2.4%
<b>Geriatrics</b>	<b>11.0%</b>	<b>7.1%</b>
Hospital medicine	6.1%	14.1%
Internal medicine-general	12.2%	17.6%
Neurology	1.2%	1.2%
Neurosurgery	0.0%	0.0%
Obstetrics and gynecology	0.0%	0.0%
Occupational medicine	1.2%	1.2%
Oncology	0.0%	0.0%
Orthopaedic surgery	1.2%	0.0%
Otolaryngology	1.2%	0.0%
Pain medicine	1.2%	0.0%
Pediatrics- general	0.0%	2.4%
Physical medicine and rehabilitation	2.4%	1.2%
Plastic Surgery	0.0%	0.0%
Psychiatry	1.2%	1.2%
Urology	0.0%	0.0%
All other specialties	24.6%	20.9%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Hospital medicine**

Secondary Specialty Area	2020	2016
Cardiology	2.9%	3.5%
Cardiothoracic and vascular surgery	0.4%	1.0%
Critical care medicine	2.7%	2.2%
Dermatology	0.5%	0.0%
Emergency medicine	25.8%	27.3%
Family medicine/general practice	7.5%	8.4%
Gastroenterology	0.7%	0.4%
General surgery	1.6%	1.0%
Geriatrics	1.3%	2.0%
<b>Hospital medicine</b>	<b>25.8%</b>	<b>24.9%</b>
Internal medicine-general	5.4%	6.7%
Neurology	1.3%	0.4%
Neurosurgery	0.2%	0.8%
Obstetrics and gynecology	0.5%	0.6%
Occupational medicine	1.4%	0.6%
Oncology	0.4%	0.2%
Orthopaedic surgery	0.7%	1.2%
Otolaryngology	0.0%	0.0%
Pain medicine	0.2%	0.2%
Pediatrics- general	0.5%	0.2%
Physical medicine and rehabilitation	0.5%	1.0%
Plastic Surgery	0.2%	0.2%
Psychiatry	1.1%	2.7%
Urology	0.5%	0.2%
All other specialties	17.9%	14.3%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Internal medicine-general**

Secondary Specialty Area	2020	2016
Cardiology	1.5%	2.1%
Cardiothoracic and vascular surgery	0.2%	0.6%
Critical care medicine	0.7%	0.7%
Dermatology	0.7%	1.0%
Emergency medicine	17.1%	19.2%
Family medicine/general practice	14.1%	13.0%
Gastroenterology	1.1%	0.5%
General surgery	0.7%	0.8%
Geriatrics	3.7%	3.7%
Hospital medicine	9.2%	7.8%
<b>Internal medicine-general</b>	<b>16.7%</b>	<b>18.9%</b>
Neurology	0.9%	0.7%
Neurosurgery	0.2%	0.0%
Obstetrics and gynecology	0.2%	0.2%
Occupational medicine	0.9%	2.8%
Oncology	0.2%	0.3%
Orthopaedic surgery	0.9%	1.3%
Otolaryngology	0.0%	0.2%
Pain medicine	0.9%	0.3%
Pediatrics- general	1.1%	1.3%
Physical medicine and rehabilitation	0.9%	0.8%
Plastic Surgery	0.6%	0.2%
Psychiatry	1.5%	2.1%
Urology	0.4%	0.2%
All other specialties	25.6%	21.3%

# Table 1: Principal Specialty by Secondary Specialty

Principal Specialty Area  
Neurology

Secondary Specialty Area	2020	2016
Cardiology	1.2%	0.0%
Cardiothoracic and vascular surgery	0.0%	0.0%
Critical care medicine	2.4%	1.6%
Dermatology	0.0%	0.0%
Emergency medicine	11.8%	10.9%
Family medicine/general practice	10.6%	15.6%
Gastroenterology	0.0%	1.6%
General surgery	0.0%	1.6%
Geriatrics	0.0%	1.6%
Hospital medicine	10.6%	7.8%
Internal medicine-general	8.2%	4.7%
<b>Neurology</b>	<b>15.3%</b>	<b>20.3%</b>
Neurosurgery	7.1%	9.4%
Obstetrics and gynecology	0.0%	0.0%
Occupational medicine	1.2%	0.0%
Oncology	1.2%	0.0%
Orthopaedic surgery	1.2%	0.0%
Otolaryngology	1.2%	1.6%
Pain medicine	1.2%	0.0%
Pediatrics- general	0.0%	1.6%
Physical medicine and rehabilitation	0.0%	1.6%
Plastic Surgery	0.0%	0.0%
Psychiatry	3.5%	0.0%
Urology	0.0%	0.0%
All other specialties	23.3%	20.1%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Neurosurgery**

Secondary Specialty Area	2020	2016
Cardiology	1.3%	0.4%
Cardiothoracic and vascular surgery	0.0%	0.9%
Critical care medicine	6.1%	3.0%
Dermatology	0.0%	0.4%
Emergency medicine	13.9%	19.4%
Family medicine/general practice	6.5%	8.6%
Gastroenterology	0.0%	0.9%
General surgery	4.8%	6.0%
Geriatrics	0.4%	0.0%
Hospital medicine	2.6%	3.9%
Internal medicine-general	3.5%	2.2%
Neurology	2.6%	0.9%
<b>Neurosurgery</b>	<b>29.6%</b>	<b>31.0%</b>
Obstetrics and gynecology	0.4%	0.4%
Occupational medicine	1.7%	0.0%
Oncology	0.4%	0.4%
Orthopaedic surgery	0.0%	4.7%
Otolaryngology	0.0%	0.0%
Pain medicine	1.3%	0.4%
Pediatrics- general	0.0%	0.0%
Physical medicine and rehabilitation	1.7%	1.3%
Plastic Surgery	0.4%	0.4%
Psychiatry	0.4%	0.4%
Urology	0.0%	0.4%
All other specialties	22.4%	14.0%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Obstetrics and gynecology**

Secondary Specialty Area	2020	2016
Cardiology	0.0%	0.8%
Cardiothoracic and vascular surgery	0.0%	0.8%
Critical care medicine	0.0%	0.0%
Dermatology	0.7%	0.0%
Emergency medicine	11.1%	14.4%
Family medicine/general practice	8.1%	13.6%
Gastroenterology	0.0%	0.8%
General surgery	3.0%	1.6%
Geriatrics	0.0%	0.0%
Hospital medicine	1.5%	2.4%
Internal medicine-general	1.5%	2.4%
Neurology	0.7%	0.0%
Neurosurgery	0.0%	0.0%
<b>Obstetrics and gynecology</b>	<b>39.3%</b>	<b>39.2%</b>
Occupational medicine	0.0%	0.8%
Oncology	0.7%	0.8%
Orthopaedic surgery	0.0%	0.0%
Otolaryngology	0.0%	0.8%
Pain medicine	1.5%	0.0%
Pediatrics- general	3.0%	1.6%
Physical medicine and rehabilitation	0.7%	0.0%
Plastic Surgery	1.5%	2.4%
Psychiatry	2.2%	0.8%
Urology	0.0%	0.8%
All other specialties	24.5%	16.0%



# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
Occupational medicine

Secondary Specialty Area	2020	2016
Cardiology	0.4%	0.0%
Cardiothoracic and vascular surgery	0.0%	0.0%
Critical care medicine	0.4%	0.0%
Dermatology	0.4%	1.3%
Emergency medicine	23.2%	24.3%
Family medicine/general practice	13.4%	19.2%
Gastroenterology	0.4%	0.4%
General surgery	0.4%	0.8%
Geriatrics	0.9%	0.4%
Hospital medicine	0.9%	0.4%
Internal medicine-general	3.6%	5.9%
Neurology	0.4%	0.4%
Neurosurgery	0.0%	0.0%
Obstetrics and gynecology	0.0%	0.0%
<b>Occupational medicine</b>	<b>19.2%</b>	<b>18.0%</b>
Oncology	0.4%	0.0%
Orthopaedic surgery	0.9%	2.5%
Otolaryngology	0.4%	0.4%
Pain medicine	0.9%	0.4%
Pediatrics- general	0.4%	0.0%
Physical medicine and rehabilitation	0.0%	1.7%
Plastic Surgery	0.0%	0.0%
Psychiatry	0.4%	0.8%
Urology	0.0%	0.0%
All other specialties	33.0%	23.1%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Oncology**

Secondary Specialty Area	2020	2016
Cardiology	0.0%	1.1%
Cardiothoracic and vascular surgery	0.0%	0.0%
Critical care medicine	0.0%	1.1%
Dermatology	2.0%	1.1%
Emergency medicine	14.1%	14.8%
Family medicine/general practice	12.1%	11.4%
Gastroenterology	0.0%	0.0%
General surgery	2.0%	2.3%
Geriatrics	0.0%	0.0%
Hospital medicine	9.1%	11.4%
Internal medicine-general	4.0%	5.7%
Neurology	0.0%	0.0%
Neurosurgery	1.0%	0.0%
Obstetrics and gynecology	0.0%	0.0%
Occupational medicine	1.0%	2.3%
<b>Oncology</b>	<b>20.2%</b>	<b>11.4%</b>
Orthopaedic surgery	1.0%	0.0%
Otolaryngology	0.0%	0.0%
Pain medicine	1.0%	0.0%
Pediatrics- general	1.0%	0.0%
Physical medicine and rehabilitation	0.0%	0.0%
Plastic Surgery	0.0%	1.1%
Psychiatry	1.0%	1.1%
Urology	1.0%	0.0%
All other specialties	29.5%	35.2%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Orthopaedic surgery**

Secondary Specialty Area	2020	2016
Cardiology	0.2%	0.2%
Cardiothoracic and vascular surgery	0.6%	0.3%
Critical care medicine	1.2%	0.5%
Dermatology	0.5%	0.3%
Emergency medicine	23.9%	27.8%
Family medicine/general practice	9.3%	10.1%
Gastroenterology	0.4%	0.2%
General surgery	3.2%	4.3%
Geriatrics	0.2%	0.1%
Hospital medicine	2.7%	2.9%
Internal medicine-general	2.0%	2.2%
Neurology	0.0%	0.0%
Neurosurgery	0.0%	1.6%
Obstetrics and gynecology	0.4%	0.2%
Occupational medicine	1.3%	2.1%
Oncology	0.0%	0.0%
<b>Orthopaedic surgery</b>	<b>28.4%</b>	<b>26.8%</b>
Otolaryngology	0.1%	0.1%
Pain medicine	1.0%	0.0%
Pediatrics- general	0.0%	0.1%
Physical medicine and rehabilitation	0.9%	1.5%
Plastic Surgery	0.9%	0.5%
Psychiatry	0.4%	0.7%
Urology	0.1%	0.1%
All other specialties	22.3%	17.4%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Otolaryngology**

Secondary Specialty Area	2020	2016
Cardiology	0.0%	0.0%
Cardiothoracic and vascular surgery	0.0%	0.0%
Critical care medicine	0.0%	1.5%
Dermatology	0.0%	6.0%
Emergency medicine	17.5%	25.4%
Family medicine/general practice	15.9%	7.5%
Gastroenterology	1.6%	0.0%
General surgery	4.8%	0.0%
Geriatrics	0.0%	0.0%
Hospital medicine	4.8%	3.0%
Internal medicine-general	3.2%	4.5%
Neurology	0.0%	0.0%
Neurosurgery	0.0%	3.0%
Obstetrics and gynecology	0.0%	0.0%
Occupational medicine	3.2%	3.0%
Oncology	0.0%	1.5%
Orthopaedic surgery	6.3%	1.5%
<b>Otolaryngology</b>	<b>9.5%</b>	<b>13.4%</b>
Pain medicine	0.0%	0.0%
Pediatrics- general	0.0%	1.5%
Physical medicine and rehabilitation	0.0%	0.0%
Plastic Surgery	0.0%	0.0%
Psychiatry	0.0%	1.5%
Urology	0.0%	1.5%
All other specialties	33.2%	25.2%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Pain medicine**

Secondary Specialty Area	2020	2016
Cardiology	0.8%	0.0%
Cardiothoracic and vascular surgery	0.0%	1.7%
Critical care medicine	0.8%	0.0%
Dermatology	0.0%	0.0%
Emergency medicine	19.3%	28.8%
Family medicine/general practice	13.4%	20.3%
Gastroenterology	0.0%	0.0%
General surgery	3.4%	0.0%
Geriatrics	0.0%	1.7%
Hospital medicine	2.5%	0.0%
Internal medicine-general	3.4%	3.4%
Neurology	0.0%	0.0%
Neurosurgery	0.8%	0.0%
Obstetrics and gynecology	0.8%	0.0%
Occupational medicine	3.4%	0.0%
Oncology	0.0%	0.0%
Orthopaedic surgery	5.0%	5.1%
Otolaryngology	0.0%	0.0%
<b>Pain medicine</b>	<b>10.1%</b>	<b>11.9%</b>
Pediatrics- general	0.0%	0.0%
Physical medicine and rehabilitation	4.2%	1.7%
Plastic Surgery	1.7%	0.0%
Psychiatry	2.5%	0.0%
Urology	0.0%	1.7%
All other specialties	27.9%	23.6%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Pediatrics- general**

Secondary Specialty Area	2020	2016
Cardiology	0.0%	0.0%
Cardiothoracic and vascular surgery	0.7%	0.0%
Critical care medicine	0.0%	2.3%
Dermatology	0.7%	0.0%
Emergency medicine	24.2%	22.3%
Family medicine/general practice	10.7%	14.3%
Gastroenterology	0.0%	0.0%
General surgery	0.0%	0.0%
Geriatrics	0.0%	0.6%
Hospital medicine	0.7%	1.7%
Internal medicine-general	1.3%	2.3%
Neurology	0.0%	0.6%
Neurosurgery	0.0%	0.6%
Obstetrics and gynecology	1.3%	2.3%
Occupational medicine	1.3%	1.1%
Oncology	0.0%	0.0%
Orthopaedic surgery	0.0%	0.0%
Otolaryngology	1.3%	0.6%
Pain medicine	0.7%	0.0%
<b>Pediatrics- general</b>	<b>30.9%</b>	<b>22.9%</b>
Physical medicine and rehabilitation	0.0%	0.0%
Plastic Surgery	0.0%	0.0%
Psychiatry	2.0%	1.7%
Urology	0.0%	0.0%
All other specialties	24.2%	26.7%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Physical medicine and rehabilitation**

Secondary Specialty Area	2020	2016
Cardiology	2.2%	1.1%
Cardiothoracic and vascular surgery	0.0%	2.2%
Critical care medicine	0.0%	1.1%
Dermatology	0.0%	1.1%
Emergency medicine	13.0%	20.5%
Family medicine/general practice	10.9%	18.2%
Gastroenterology	0.0%	0.0%
General surgery	0.0%	0.0%
Geriatrics	0.0%	0.0%
Hospital medicine	2.2%	6.8%
Internal medicine-general	4.3%	3.4%
Neurology	2.2%	1.1%
Neurosurgery	0.0%	0.0%
Obstetrics and gynecology	2.2%	1.1%
Occupational medicine	2.2%	2.3%
Oncology	0.0%	0.0%
Orthopaedic surgery	8.7%	3.4%
Otolaryngology	2.2%	0.0%
Pain medicine	0.0%	1.1%
Pediatrics- general	0.0%	1.1%
<b>Physical medicine and rehabilitation</b>	<b>13.0%</b>	<b>9.1%</b>
Plastic Surgery	2.2%	0.0%
Psychiatry	2.2%	0.0%
Urology	0.0%	0.0%
All other specialties	32.5%	26.4%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Plastic surgery**

Secondary Specialty Area	2020	2016
Cardiology	2.1%	0.0%
Cardiothoracic and vascular surgery	0.0%	3.6%
Critical care medicine	0.0%	1.2%
Dermatology	1.1%	4.8%
Emergency medicine	17.9%	22.9%
Family medicine/general practice	7.4%	4.8%
Gastroenterology	1.1%	0.0%
General surgery	9.5%	10.8%
Geriatrics	0.0%	0.0%
Hospital medicine	3.2%	0.0%
Internal medicine-general	1.1%	2.4%
Neurology	1.1%	0.0%
Neurosurgery	1.1%	1.2%
Obstetrics and gynecology	1.1%	0.0%
Occupational medicine	0.0%	1.2%
Oncology	0.0%	0.0%
Orthopaedic surgery	1.1%	0.0%
Otolaryngology	0.0%	1.2%
Pain medicine	2.1%	0.0%
Pediatrics- general	0.0%	1.2%
Physical medicine and rehabilitation	0.0%	1.2%
<b>Plastic Surgery</b>	<b>26.3%</b>	<b>15.7%</b>
Psychiatry	0.0%	3.6%
Urology	0.0%	0.0%
All other specialties	23.8%	24.2%



# Table 1: Principal Specialty by Secondary Specialty

## Principal Specialty Area Psychiatry

Secondary Specialty Area	2020	2016
Cardiology	0.4%	0.0%
Cardiothoracic and vascular surgery	0.0%	0.0%
Critical care medicine	0.8%	0.0%
Dermatology	0.8%	0.5%
Emergency medicine	5.7%	5.4%
Family medicine/general practice	10.0%	14.3%
Gastroenterology	0.4%	0.0%
General surgery	0.0%	0.5%
Geriatrics	0.0%	1.0%
Hospital medicine	2.7%	2.0%
Internal medicine-general	2.3%	4.9%
Neurology	0.8%	1.0%
Neurosurgery	0.0%	0.0%
Obstetrics and gynecology	0.0%	0.0%
Occupational medicine	0.0%	2.0%
Oncology	0.4%	0.0%
Orthopaedic surgery	0.4%	0.5%
Otolaryngology	0.0%	0.5%
Pain medicine	0.0%	0.0%
Pediatrics- general	1.5%	1.5%
Physical medicine and rehabilitation	0.4%	0.5%
Plastic Surgery	0.0%	0.5%
<b>Psychiatry</b>	<b>47.5%</b>	<b>50.2%</b>
Urology	0.4%	0.0%
All other specialties	25.5%	14.7%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**Urology**

Secondary Specialty Area	2020	2016
Cardiology	0.0%	0.0%
Cardiothoracic and vascular surgery	0.0%	0.0%
Critical care medicine	1.2%	1.0%
Dermatology	0.0%	1.0%
Emergency medicine	18.1%	26.5%
Family medicine/general practice	15.7%	15.7%
Gastroenterology	0.0%	0.0%
General surgery	4.8%	5.9%
Geriatrics	1.2%	0.0%
Hospital medicine	3.6%	2.0%
Internal medicine-general	3.6%	4.9%
Neurology	1.2%	0.0%
Neurosurgery	0.0%	0.0%
Obstetrics and gynecology	0.0%	1.0%
Occupational medicine	3.6%	2.9%
Oncology	0.0%	0.0%
Orthopaedic surgery	1.2%	1.0%
Otolaryngology	0.0%	1.0%
Pain medicine	1.2%	0.0%
Pediatrics- general	4.8%	0.0%
Physical medicine and rehabilitation	0.0%	0.0%
Plastic Surgery	0.0%	0.0%
Psychiatry	2.4%	0.0%
<b>Urology</b>	<b>7.2%</b>	<b>11.8%</b>
All other specialties	30.2%	25.3%

# Table 1: Principal Specialty by Secondary Specialty

**Principal Specialty Area**  
**All other specialties**

Secondary Specialty Area	2020	2016
Cardiology	0.7%	0.5%
Cardiothoracic and vascular surgery	0.9%	1.3%
Critical care medicine	2.0%	1.4%
Dermatology	0.8%	1.2%
Emergency medicine	20.8%	21.9%
Family medicine/general practice	10.1%	11.3%
Gastroenterology	0.4%	0.5%
General surgery	2.2%	2.5%
Geriatrics	0.5%	0.8%
Hospital medicine	3.8%	3.9%
Internal medicine-general	2.8%	4.6%
Neurology	0.2%	0.1%
Neurosurgery	0.7%	0.6%
Obstetrics and gynecology	0.7%	0.6%
Occupational medicine	2.7%	2.7%
Oncology	0.6%	0.9%
Orthopaedic surgery	1.8%	2.4%
Otolaryngology	0.2%	0.2%
Pain medicine	1.1%	0.1%
Pediatrics- general	1.7%	2.4%
Physical medicine and rehabilitation	0.3%	0.8%
Plastic Surgery	0.4%	0.3%
Psychiatry	1.4%	1.4%
Urology	0.4%	0.5%
<b>All other specialties</b>	<b>42.8%</b>	<b>37.1%</b>

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Cardiology

Principal Specialty Area	2020	2016
<b>Cardiology</b>	<b>35.8%</b>	<b>35.8%</b>
Cardiothoracic and vascular surgery	9.3%	8.0%
Critical care medicine	8.0%	9.3%
Dermatology	0.0%	0.7%
Emergency medicine	9.3%	8.6%
Family medicine/general practice	4.3%	6.0%
Gastroenterology	0.6%	0.7%
General surgery	1.2%	2.0%
Geriatrics	0.6%	0.0%
Hospital medicine	9.9%	11.9%
Internal medicine-general	4.9%	8.6%
Neurology	0.6%	0.0%
Neurosurgery	1.9%	0.7%
Obstetrics and gynecology	0.0%	0.7%
Occupational medicine	0.6%	0.0%
Oncology	0.0%	0.7%
Orthopaedic surgery	1.2%	0.7%
Otolaryngology	0.0%	0.0%
Pain medicine	0.6%	0.0%
Pediatrics- general	0.0%	0.0%
Physical medicine and rehabilitation	0.6%	0.7%
Plastic surgery	1.2%	0.0%
Psychiatry	0.6%	0.0%
Urology	0.0%	0.0%
All other specialties	8.8%	4.9%

## Table 2: Secondary Specialty by Principal Specialty

**Secondary Specialty Area**  
**Cardiothoracic and vascular surgery**

Principal Specialty Area	2020	2016
Cardiology	3.3%	2.7%
<b>Cardiothoracic and vascular surgery</b>	<b>68.5%</b>	<b>55.7%</b>
Critical care medicine	4.2%	5.4%
Dermatology	0.9%	1.0%
Emergency medicine	3.8%	3.2%
Family medicine/general practice	0.9%	0.0%
Gastroenterology	0.5%	1.0%
General surgery	4.2%	8.1%
Geriatrics	0.5%	0.5%
Hospital medicine	0.9%	2.7%
Internal medicine-general	0.5%	2.1%
Neurology	0.0%	0.0%
Neurosurgery	0.0%	1.0%
Obstetrics and gynecology	0.0%	0.5%
Occupational medicine	0.0%	0.0%
Oncology	0.0%	0.0%
Orthopaedic surgery	2.8%	1.6%
Otolaryngology	0.0%	0.0%
Pain medicine	0.0%	0.5%
Pediatrics- general	0.5%	0.0%
Physical medicine and rehabilitation	0.0%	1.0%
Plastic surgery	0.0%	1.6%
Psychiatry	0.0%	0.0%
Urology	0.0%	1.6%
All other specialties	8.5%	9.8%

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Critical care medicine

Principal Specialty Area	2020	2016
Cardiology	1.9%	0.9%
Cardiothoracic and vascular surgery	10.3%	16.5%
<b>Critical care medicine</b>	<b>34.8%</b>	<b>33.5%</b>
Dermatology	0.3%	1.4%
Emergency medicine	14.8%	9.4%
Family medicine/general practice	4.8%	6.1%
Gastroenterology	1.0%	0.5%
General surgery	2.3%	3.8%
Geriatrics	0.0%	0.9%
Hospital medicine	4.8%	5.2%
Internal medicine-general	1.3%	1.9%
Neurology	0.6%	0.5%
Neurosurgery	4.5%	3.3%
Obstetrics and gynecology	0.0%	0.0%
Occupational medicine	0.3%	0.0%
Oncology	0.0%	0.5%
Orthopaedic surgery	3.5%	1.9%
Otolaryngology	0.0%	0.5%
Pain medicine	0.3%	0.0%
Pediatrics- general	0.0%	1.9%
Physical medicine and rehabilitation	0.0%	0.5%
Plastic surgery	0.0%	0.5%
Psychiatry	0.6%	0.0%
Urology	0.3%	0.5%
All other specialties	13.6%	9.8%

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Dermatology

Principal Specialty Area	2020	2016
Cardiology	0.0%	0.0%
Cardiothoracic and vascular surgery	1.2%	1.3%
Critical care medicine	1.2%	1.3%
<b>Dermatology</b>	<b>47.8%</b>	<b>45.9%</b>
Emergency medicine	14.9%	9.4%
Family medicine/general practice	9.9%	12.6%
Gastroenterology	0.0%	0.0%
General surgery	1.9%	1.9%
Geriatrics	0.6%	0.0%
Hospital medicine	1.9%	0.0%
Internal medicine-general	2.5%	3.8%
Neurology	0.0%	0.0%
Neurosurgery	0.0%	0.6%
Obstetrics and gynecology	0.6%	0.0%
Occupational medicine	0.6%	1.9%
Oncology	1.2%	0.6%
Orthopaedic surgery	3.1%	1.9%
Otolaryngology	0.0%	2.5%
Pain medicine	0.0%	0.0%
Pediatrics- general	0.6%	0.0%
Physical medicine and rehabilitation	0.0%	0.6%
Plastic Surgery	0.6%	2.5%
Psychiatry	1.2%	0.6%
Urology	0.0%	0.6%
All other specialties	10.2%	22.0%

## Table 2: Secondary Specialty by Principal Specialty

**Secondary Specialty Area**  
**Emergency Medicine**

Principal Specialty Area	2020	2016
Cardiology	1.4%	1.3%
Cardiothoracic and vascular surgery	1.5%	1.6%
Critical care medicine	2.1%	1.8%
Dermatology	1.1%	1.0%
<b>Emergency medicine</b>	<b>43.8%</b>	<b>41.8%</b>
Family medicine/general practice	13.9%	17.1%
Gastroenterology	0.4%	0.6%
General surgery	2.1%	2.1%
Geriatrics	0.4%	0.3%
Hospital medicine	4.2%	4.0%
Internal medicine-general	2.7%	3.4%
Neurology	0.3%	0.2%
Neurosurgery	0.9%	1.3%
Obstetrics and gynecology	0.4%	0.5%
Occupational medicine	1.5%	1.7%
Oncology	0.4%	0.4%
Orthopaedic surgery	6.6%	7.0%
Otolaryngology	0.3%	0.5%
Pain medicine	0.7%	0.5%
Pediatrics- general	1.1%	1.1%
Physical medicine and rehabilitation	0.2%	0.5%
Plastic Surgery	0.5%	0.5%
Psychiatry	0.4%	0.3%
Urology	0.4%	0.8%
All other specialties	12.7%	9.7%



## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Family medicine/general practice

Principal Specialty Area	2020	2016
Cardiology	1.0%	1.1%
Cardiothoracic and vascular surgery	1.0%	1.0%
Critical care medicine	1.2%	1.0%
Dermatology	1.1%	1.6%
Emergency medicine	19.8%	19.1%
<b>Family medicine/general practice</b>	<b>32.9%</b>	<b>36.7%</b>
Gastroenterology	0.7%	0.7%
General surgery	1.6%	1.8%
Geriatrics	0.9%	0.8%
Hospital medicine	2.9%	2.6%
Internal medicine-general	5.2%	4.8%
Neurology	0.6%	0.6%
Neurosurgery	1.0%	1.2%
Obstetrics and gynecology	0.7%	1.0%
Occupational medicine	2.0%	2.8%
Oncology	0.8%	0.6%
Orthopaedic surgery	5.9%	5.3%
Otolaryngology	0.7%	0.3%
Pain medicine	1.1%	0.7%
Pediatrics- general	1.1%	1.5%
Physical medicine and rehabilitation	0.3%	1.0%
Plastic Surgery	0.5%	0.2%
Psychiatry	1.8%	1.8%
Urology	0.9%	1.0%
All other specialties	14.3%	10.8%

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Gastroenterology

Principal Specialty Area	2020	2016
Cardiology	3.4%	3.9%
Cardiothoracic and vascular surgery	1.7%	2.0%
Critical care medicine	1.7%	0.0%
Dermatology	3.4%	3.9%
Emergency medicine	5.1%	5.9%
Family medicine/general practice	3.4%	7.8%
<b>Gastroenterology</b>	<b>23.7%</b>	<b>21.6%</b>
General surgery	10.2%	15.7%
Geriatrics	1.7%	0.0%
Hospital medicine	6.8%	3.9%
Internal medicine-general	10.2%	5.9%
Neurology	0.0%	2.0%
Neurosurgery	0.0%	3.9%
Obstetrics and gynecology	0.0%	2.0%
Occupational medicine	1.7%	2.0%
Oncology	0.0%	0.0%
Orthopaedic surgery	6.8%	3.9%
Otolaryngology	1.7%	0.0%
Pain medicine	0.0%	0.0%
Pediatrics- general	0.0%	0.0%
Physical medicine and rehabilitation	0.0%	0.0%
Plastic Surgery	1.7%	0.0%
Psychiatry	1.7%	0.0%
Urology	0.0%	0.0%
All other specialties	15.1%	15.6%

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area General surgery

Principal Specialty Area	2020	2016
Cardiology	0.6%	0.3%
Cardiothoracic and vascular surgery	10.2%	8.7%
Critical care medicine	5.1%	5.3%
Dermatology	0.9%	0.6%
Emergency medicine	8.2%	9.7%
Family medicine/general practice	2.5%	5.3%
Gastroenterology	0.9%	0.6%
<b>General surgery</b>	<b>31.3%</b>	<b>30.3%</b>
Geriatrics	0.3%	0.6%
Hospital medicine	2.8%	1.6%
Internal medicine-general	1.3%	1.6%
Neurology	0.0%	0.3%
Neurosurgery	3.5%	4.4%
Obstetrics and gynecology	1.3%	0.6%
Occupational medicine	0.3%	0.6%
Oncology	0.6%	0.6%
Orthopaedic surgery	9.5%	11.6%
Otolaryngology	0.9%	0.0%
Pain medicine	1.3%	0.0%
Pediatrics- general	0.0%	0.0%
Physical medicine and rehabilitation	0.0%	0.0%
Plastic Surgery	2.8%	2.8%
Psychiatry	0.0%	0.3%
Urology	1.3%	1.9%
All other specialties	14.4%	12.3%

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Geriatrics

Principal Specialty Area	2020	2016
Cardiology	2.1%	2.1%
Cardiothoracic and vascular surgery	0.0%	2.1%
Critical care medicine	3.2%	1.0%
Dermatology	1.1%	3.1%
Emergency medicine	9.6%	11.3%
Family medicine/general practice	24.5%	17.5%
Gastroenterology	0.0%	1.0%
General surgery	3.2%	2.1%
<b>Geriatrics</b>	<b>9.6%</b>	<b>6.2%</b>
Hospital medicine	7.4%	10.3%
Internal medicine-general	21.3%	23.7%
Neurology	0.0%	1.0%
Neurosurgery	1.1%	0.0%
Obstetrics and gynecology	0.0%	0.0%
Occupational medicine	2.1%	1.0%
Oncology	0.0%	0.0%
Orthopaedic surgery	0.0%	1.0%
Otolaryngology	0.0%	0.0%
Pain medicine	0.0%	1.0%
Pediatrics- general	0.0%	1.0%
Physical medicine and rehabilitation	0.0%	0.0%
Plastic Surgery	0.0%	0.0%
Psychiatry	0.0%	2.1%
Urology	1.1%	0.0%
All other specialties	12.7%	12.5%

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Hospital medicine

Principal Specialty Area	2020	2016
Cardiology	5.8%	6.8%
Cardiothoracic and vascular surgery	2.0%	2.3%
Critical care medicine	8.0%	6.0%
Dermatology	0.3%	0.0%
Emergency medicine	12.8%	12.6%
Family medicine/general practice	6.5%	8.5%
Gastroenterology	2.3%	0.9%
General surgery	3.8%	2.6%
Geriatrics	0.0%	2.3%
<b>Hospital medicine</b>	<b>23.9%</b>	<b>23.9%</b>
Internal medicine-general	8.3%	9.0%
Neurology	1.5%	0.9%
Neurosurgery	1.0%	1.7%
Obstetrics and gynecology	0.3%	0.6%
Occupational medicine	0.3%	0.2%
Oncology	1.5%	1.9%
Orthopaedic surgery	0.0%	4.7%
Otolaryngology	0.5%	0.4%
Pain medicine	0.5%	0.4%
Pediatrics- general	0.2%	0.6%
Physical medicine and rehabilitation	0.2%	1.1%
Plastic Surgery	0.5%	0.0%
Psychiatry	1.2%	0.8%
Urology	0.5%	0.4%
All other specialties	8.1%	11.4%

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Internal medicine-general

Principal Specialty Area	2020	2016
Cardiology	2.0%	2.4%
Cardiothoracic and vascular surgery	2.2%	2.4%
Critical care medicine	2.2%	2.0%
Dermatology	1.7%	1.0%
Emergency medicine	13.6%	14.1%
Family medicine/general practice	10.9%	11.1%
Gastroenterology	1.0%	1.2%
General surgery	2.7%	2.2%
Geriatrics	2.5%	3.0%
Hospital medicine	7.4%	6.9%
<b>Internal medicine-general</b>	<b>22.5%</b>	<b>23.4%</b>
Neurology	1.7%	0.6%
Neurosurgery	2.0%	1.0%
Obstetrics and gynecology	0.5%	0.6%
Occupational medicine	2.0%	2.8%
Oncology	1.0%	1.0%
Orthopaedic surgery	4.7%	3.8%
Otolaryngology	0.5%	0.6%
Pain medicine	1.0%	0.4%
Pediatrics- general	0.5%	0.8%
Physical medicine and rehabilitation	0.5%	0.6%
Plastic Surgery	0.2%	0.4%
Psychiatry	1.5%	2.0%
Urology	0.7%	1.0%
All other specialties	14.5%	14.7%

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Neurology

Principal Specialty Area	2020	2016
Cardiology	0.0%	0.0%
Cardiothoracic and vascular surgery	1.7%	0.0%
Critical care medicine	1.7%	7.7%
Dermatology	1.7%	0.0%
Emergency medicine	8.5%	10.3%
Family medicine/general practice	10.2%	5.1%
Gastroenterology	1.7%	2.6%
General surgery	1.7%	2.6%
Geriatrics	1.7%	2.6%
Hospital medicine	11.9%	5.1%
Internal medicine-general	8.5%	10.3%
<b>Neurology</b>	<b>22.0%</b>	<b>33.3%</b>
Neurosurgery	10.2%	5.1%
Obstetrics and gynecology	1.7%	0.0%
Occupational medicine	1.7%	2.6%
Oncology	0.0%	0.0%
Orthopaedic surgery	0.0%	0.0%
Otolaryngology	0.0%	0.0%
Pain medicine	0.0%	0.0%
Pediatrics- general	0.0%	2.6%
Physical medicine and rehabilitation	1.7%	2.6%
Plastic Surgery	1.7%	0.0%
Psychiatry	3.4%	5.1%
Urology	1.7%	0.0%
All other specialties	6.6%	2.4%

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Neurosurgery

Principal Specialty Area	2020	2016
Cardiology	0.7%	1.4%
Cardiothoracic and vascular surgery	2.1%	2.8%
Critical care medicine	12.1%	5.6%
Dermatology	0.0%	0.7%
Emergency medicine	4.3%	3.5%
Family medicine/general practice	0.7%	2.8%
Gastroenterology	0.0%	0.0%
General surgery	4.3%	6.3%
Geriatrics	0.0%	0.0%
Hospital medicine	0.7%	2.8%
Internal medicine-general	0.7%	0.0%
Neurology	4.3%	4.2%
<b>Neurosurgery</b>	<b>48.6%</b>	<b>50.7%</b>
Obstetrics and gynecology	0.0%	0.0%
Occupational medicine	0.0%	0.0%
Oncology	0.7%	0.0%
Orthopaedic surgery	8.6%	9.9%
Otolaryngology	0.0%	1.4%
Pain medicine	0.7%	0.0%
Pediatrics- general	0.0%	0.7%
Physical medicine and rehabilitation	0.0%	0.0%
Plastic Surgery	0.7%	0.7%
Psychiatry	0.0%	0.0%
Urology	0.0%	0.0%
All other specialties	10.8%	6.5%



## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Obstetrics and gynecology

Principal Specialty Area	2020	2016
Cardiology	1.0%	0.0%
Cardiothoracic and vascular surgery	0.0%	3.2%
Critical care medicine	0.0%	1.1%
Dermatology	1.0%	1.1%
Emergency medicine	7.8%	6.3%
Family medicine/general practice	6.9%	11.6%
Gastroenterology	0.0%	0.0%
General surgery	2.9%	1.1%
Geriatrics	0.0%	0.0%
Hospital medicine	2.9%	3.2%
Internal medicine-general	1.0%	1.1%
Neurology	0.0%	0.0%
Neurosurgery	1.0%	1.1%
<b>Obstetrics and gynecology</b>	<b>52.0%</b>	<b>51.6%</b>
Occupational medicine	0.0%	0.0%
Oncology	0.0%	0.0%
Orthopaedic surgery	3.9%	2.1%
Otolaryngology	0.0%	0.0%
Pain medicine	1.0%	0.0%
Pediatrics- general	2.0%	4.2%
Physical medicine and rehabilitation	1.0%	1.1%
Plastic Surgery	1.0%	0.0%
Psychiatry	0.0%	0.0%
Urology	0.0%	1.1%
All other specialties	14.6%	10.1%

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Occupational medicine

Principal Specialty Area	2020	2016
Cardiology	0.7%	0.7%
Cardiothoracic and vascular surgery	0.7%	0.7%
Critical care medicine	1.3%	1.4%
Dermatology	1.3%	1.0%
Emergency medicine	23.2%	22.3%
Family medicine/general practice	22.8%	22.7%
Gastroenterology	0.3%	0.3%
General surgery	1.3%	2.4%
Geriatrics	0.3%	0.3%
Hospital medicine	2.7%	1.0%
Internal medicine-general	1.7%	5.8%
Neurology	0.3%	0.0%
Neurosurgery	1.3%	0.0%
Obstetrics and gynecology	0.0%	0.3%
<b>Occupational medicine</b>	<b>14.4%</b>	<b>14.8%</b>
Oncology	0.3%	0.7%
Orthopaedic surgery	4.0%	6.2%
Otolaryngology	0.7%	0.7%
Pain medicine	1.3%	0.0%
Pediatrics- general	0.7%	0.7%
Physical medicine and rehabilitation	0.0%	0.7%
Plastic Surgery	0.0%	0.3%
Psychiatry	0.0%	1.4%
Urology	1.0%	1.0%
All other specialties	19.7%	14.6%

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Oncology

Principal Specialty Area	2020	2016
Cardiology	2.0%	2.9%
Cardiothoracic and vascular surgery	4.0%	2.9%
Critical care medicine	4.0%	2.9%
Dermatology	0.0%	0.0%
Emergency medicine	2.0%	0.0%
Family medicine/general practice	2.0%	0.0%
Gastroenterology	0.0%	2.9%
General surgery	6.0%	2.9%
Geriatrics	0.0%	0.0%
Hospital medicine	4.0%	2.9%
Internal medicine-general	2.0%	5.7%
Neurology	2.0%	0.0%
Neurosurgery	2.0%	2.9%
Obstetrics and gynecology	2.0%	2.9%
Occupational medicine	2.0%	0.0%
<b>Oncology</b>	<b>40.0%</b>	<b>28.6%</b>
Orthopaedic surgery	0.0%	0.0%
Otolaryngology	0.0%	2.9%
Pain medicine	0.0%	0.0%
Pediatrics- general	0.0%	0.0%
Physical medicine and rehabilitation	0.0%	0.0%
Plastic Surgery	0.0%	0.0%
Psychiatry	2.0%	0.0%
Urology	0.0%	0.0%
All other specialties	23.0%	39.6%

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Orthopaedic surgery

Principal Specialty Area	2020	2016
Cardiology	0.4%	0.5%
Cardiothoracic and vascular surgery	1.7%	2.4%
Critical care medicine	0.9%	0.0%
Dermatology	0.4%	0.2%
Emergency medicine	10.8%	11.5%
Family medicine/general practice	3.8%	6.5%
Gastroenterology	0.0%	0.2%
General surgery	5.1%	4.6%
Geriatrics	0.2%	0.0%
Hospital medicine	0.9%	1.4%
Internal medicine-general	1.1%	1.9%
Neurology	0.2%	0.0%
Neurosurgery	2.7%	2.6%
Obstetrics and gynecology	0.0%	0.0%
Occupational medicine	0.4%	1.4%
Oncology	0.0%	0.0%
<b>Orthopaedic surgery</b>	<b>58.8%</b>	<b>55.6%</b>
Otolaryngology	0.9%	0.2%
Pain medicine	1.3%	0.7%
Pediatrics- general	0.0%	0.0%
Physical medicine and rehabilitation	0.9%	0.7%
Plastic Surgery	0.2%	0.0%
Psychiatry	0.2%	0.2%
Urology	0.2%	0.2%
All other specialties	8.9%	9.2%

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Otolaryngology

Principal Specialty Area	2020	2016
Cardiology	0.0%	0.0%
Cardiothoracic and vascular surgery	0.0%	0.0%
Critical care medicine	0.0%	0.0%
Dermatology	6.5%	9.4%
Emergency medicine	16.1%	12.5%
Family medicine/general practice	12.9%	9.4%
Gastroenterology	0.0%	0.0%
General surgery	6.5%	3.1%
Geriatrics	3.2%	0.0%
Hospital medicine	0.0%	0.0%
Internal medicine-general	0.0%	3.1%
Neurology	3.2%	3.1%
Neurosurgery	0.0%	0.0%
Obstetrics and gynecology	0.0%	3.1%
Occupational medicine	3.2%	3.1%
Oncology	0.0%	0.0%
Orthopaedic surgery	3.2%	3.1%
<b>Otolaryngology</b>	<b>19.4%</b>	<b>28.1%</b>
Pain medicine	0.0%	0.0%
Pediatrics- general	6.5%	3.1%
Physical medicine and rehabilitation	3.2%	0.0%
Plastic Surgery	0.0%	3.1%
Psychiatry	0.0%	3.1%
Urology	0.0%	3.1%
All other specialties	16.1%	9.6%

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Pain medicine

Principal Specialty Area	2020	2016
Cardiology	1.0%	0.0%
Cardiothoracic and vascular surgery	3.1%	0.0%
Critical care medicine	0.0%	7.4%
Dermatology	2.1%	0.0%
Emergency medicine	13.5%	18.5%
Family medicine/general practice	10.4%	18.5%
Gastroenterology	0.0%	0.0%
General surgery	3.1%	3.7%
Geriatrics	1.0%	0.0%
Hospital medicine	1.0%	3.7%
Internal medicine-general	5.2%	7.4%
Neurology	1.0%	0.0%
Neurosurgery	3.1%	3.7%
Obstetrics and gynecology	2.1%	0.0%
Occupational medicine	2.1%	3.7%
Oncology	1.0%	0.0%
Orthopaedic surgery	9.4%	0.0%
Otolaryngology	0.0%	0.0%
<b>Pain medicine</b>	<b>12.5%</b>	<b>25.9%</b>
Pediatrics- general	1.0%	0.0%
Physical medicine and rehabilitation	0.0%	3.7%
Plastic Surgery	2.1%	0.0%
Psychiatry	0.0%	0.0%
Urology	1.0%	0.0%
All other specialties	24.3%	3.8%

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Pediatrics- general

Principal Specialty Area	2020	2016
Cardiology	0.6%	1.1%
Cardiothoracic and vascular surgery	0.0%	0.6%
Critical care medicine	0.6%	0.6%
Dermatology	0.6%	1.1%
Emergency medicine	15.9%	15.6%
Family medicine/general practice	20.1%	25.7%
Gastroenterology	0.0%	0.0%
General surgery	1.2%	0.0%
Geriatrics	0.0%	1.1%
Hospital medicine	1.8%	0.6%
Internal medicine-general	3.7%	4.5%
Neurology	0.0%	0.6%
Neurosurgery	0.0%	0.0%
Obstetrics and gynecology	2.4%	1.1%
Occupational medicine	0.6%	0.0%
Oncology	0.6%	0.0%
Orthopaedic surgery	0.0%	0.6%
Otolaryngology	0.0%	0.6%
Pain medicine	0.0%	0.0%
<b>Pediatrics- general</b>	<b>28.0%</b>	<b>22.3%</b>
Physical medicine and rehabilitation	0.0%	0.6%
Plastic Surgery	0.0%	0.6%
Psychiatry	2.4%	1.7%
Urology	0.0%	0.0%
All other specialties	21.5%	21.0%

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Physical medicine and rehabilitation

Principal Specialty Area	2020	2016
Cardiology	1.6%	1.2%
Cardiothoracic and vascular surgery	1.6%	1.2%
Critical care medicine	1.6%	2.4%
Dermatology	1.6%	0.0%
Emergency medicine	15.9%	11.9%
Family medicine/general practice	9.5%	16.7%
Gastroenterology	3.2%	1.2%
General surgery	0.0%	0.0%
Geriatrics	3.2%	1.2%
Hospital medicine	4.8%	6.0%
Internal medicine-general	7.9%	6.0%
Neurology	0.0%	1.2%
Neurosurgery	6.3%	3.6%
Obstetrics and gynecology	0.0%	0.0%
Occupational medicine	0.0%	4.8%
Oncology	0.0%	0.0%
Orthopaedic surgery	12.7%	15.5%
Otolaryngology	0.0%	0.0%
Pain medicine	7.9%	1.2%
Pediatrics- general	0.0%	0.0%
<b>Physical medicine and rehabilitation</b>	<b>9.5%</b>	<b>9.5%</b>
Plastic Surgery	0.0%	1.2%
Psychiatry	1.6%	1.2%
Urology	0.0%	0.0%
All other specialties	11.1%	14.0%



## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Plastic surgery

Principal Specialty Area	2020	2016
Cardiology	0.0%	0.0%
Cardiothoracic and vascular surgery	0.0%	3.0%
Critical care medicine	2.5%	0.0%
Dermatology	3.8%	6.2%
Emergency medicine	16.3%	24.6%
Family medicine/general practice	2.5%	7.7%
Gastroenterology	0.0%	0.0%
General surgery	8.8%	9.2%
Geriatrics	0.0%	0.0%
Hospital medicine	1.3%	1.5%
Internal medicine-general	3.8%	1.5%
Neurology	0.0%	0.0%
Neurosurgery	1.3%	1.5%
Obstetrics and gynecology	2.5%	4.6%
Occupational medicine	0.0%	0.0%
Oncology	0.0%	1.5%
Orthopaedic surgery	10.0%	6.2%
Otolaryngology	2.5%	0.0%
Pain medicine	2.5%	0.0%
Pediatrics- general	0.0%	0.0%
Physical medicine and rehabilitation	1.3%	0.0%
<b>Plastic Surgery</b>	<b>31.3%</b>	<b>20.0%</b>
Psychiatry	0.0%	1.5%
Urology	0.0%	0.0%
All other specialties	9.6%	11.0%

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Psychiatry

Principal Specialty Area	2020	2016
Cardiology	1.6%	1.3%
Cardiothoracic and vascular surgery	0.0%	0.8%
Critical care medicine	0.8%	0.4%
Dermatology	0.4%	0.8%
Emergency medicine	7.1%	7.1%
Family medicine/general practice	12.3%	16.8%
Gastroenterology	0.4%	0.0%
General surgery	2.0%	1.3%
Geriatrics	0.4%	0.4%
Hospital medicine	2.4%	5.9%
Internal medicine-general	3.2%	5.5%
Neurology	1.2%	0.0%
Neurosurgery	0.4%	0.4%
Obstetrics and gynecology	1.2%	0.4%
Occupational medicine	0.4%	0.8%
Oncology	0.4%	0.4%
Orthopaedic surgery	1.6%	2.5%
Otolaryngology	0.0%	0.4%
Pain medicine	1.2%	0.4%
Pediatrics- general	1.2%	1.3%
Physical medicine and rehabilitation	0.4%	0.0%
Plastic Surgery	0.0%	1.3%
<b>Psychiatry</b>	<b>49.2%</b>	<b>42.9%</b>
Urology	0.8%	0.0%
All other specialties	11.4%	8.9%

## Table 2: Secondary Specialty by Principal Specialty

### Secondary Specialty Area Urology

Principal Specialty Area	2020	2016
Cardiology	2.8%	2.4%
Cardiothoracic and vascular surgery	5.6%	7.3%
Critical care medicine	0.0%	0.0%
Dermatology	0.0%	2.4%
Emergency medicine	5.6%	9.8%
Family medicine/general practice	13.9%	7.3%
Gastroenterology	0.0%	0.0%
General surgery	11.1%	7.3%
Geriatrics	0.0%	0.0%
Hospital medicine	8.3%	2.4%
Internal medicine-general	5.6%	2.4%
Neurology	0.0%	0.0%
Neurosurgery	0.0%	2.4%
Obstetrics and gynecology	0.0%	2.4%
Occupational medicine	0.0%	0.0%
Oncology	2.8%	0.0%
Orthopaedic surgery	2.8%	2.4%
Otolaryngology	0.0%	2.4%
Pain medicine	0.0%	2.4%
Pediatrics- general	0.0%	0.0%
Physical medicine and rehabilitation	0.0%	0.0%
Plastic Surgery	0.0%	0.0%
Psychiatry	2.8%	0.0%
<b>Urology</b>	<b>16.7%</b>	<b>29.3%</b>
All other specialties	22.0%	17.4%

## Table 2: Secondary Specialty by Principal Specialty

**Secondary Specialty Area**  
**All other specialties**

Principal Specialty Area	2020	2016
Cardiology	1.2%	1.4%
Cardiothoracic and vascular surgery	1.9%	1.7%
Critical care medicine	1.7%	1.7%
Dermatology	1.7%	1.7%
Emergency medicine	19.5%	19.2%
Family medicine/general practice	19.1%	21.3%
Gastroenterology	0.9%	0.9%
General surgery	3.1%	2.8%
Geriatrics	0.6%	0.7%
Hospital medicine	2.9%	2.8%
Internal medicine-general	4.1%	5.0%
Neurology	1.1%	0.5%
Neurosurgery	1.1%	1.2%
Obstetrics and gynecology	1.0%	0.8%
Occupational medicine	2.1%	2.1%
Oncology	0.8%	1.2%
Orthopaedic surgery	5.7%	5.7%
Otolaryngology	0.6%	1.0%
Pain medicine	1.0%	0.4%
Pediatrics- general	1.0%	1.8%
Physical medicine and rehabilitation	0.4%	0.9%
Plastic Surgery	0.7%	0.8%
Psychiatry	1.9%	1.2%
Urology	0.8%	1.0%
<b>All other specialties</b>	<b>25.1%</b>	<b>22.2%</b>

## Table 3: Across all principal specialties, hours spent in secondary specialty

Principal Specialty Area	Median Hours Spent in a Secondary Position- 2020	Median Hours Spent in a Secondary Position- 2016	Mean Hours Spent in a Secondary Position- 2020	Mean Hours Spent in a Secondary Position- 2016
Cardiology	8	10	10	11
Cardiothoracic and vascular surgery	10	10	11	11
Critical care medicine	12	10	13	11
Dermatology	8	8	10	10
Emergency medicine	10	10	12	11
Family medicine/general practice	8	8	11	11
Gastroenterology	10	10	11	10
General surgery	10	10	11	11
Geriatrics	10	10	12	11
Hospital medicine	10	10	12	12
Internal medicine-general	10	10	12	11
Neurology	10	12	11	13
Neurosurgery	10	10	11	13
Obstetrics and gynecology	10	9	12	11
Occupational medicine	8	8	10	10
Oncology	8	8	9	10
Orthopaedic surgery	8	8	10	10
Otolaryngology	8	8	10	10
Pain medicine	8	10	11	12
Pediatrics- general	10	10	10	10
Physical medicine and rehabilitation	8	8	10	9
Plastic surgery	8	7	10	9
Psychiatry	10	10	12	12
Urology	8	8	11	11
All other specialties	10	9	11	10

## Table 4: Across all secondary specialties, hours spent in the secondary position

Secondary Specialty Area	Median Hours Spent in a Secondary Position- 2020	Median Hours Spent in a Secondary Position- 2016	Mean Hours Spent in a Secondary Position- 2020	Mean Hours Spent in a Secondary Position- 2016
Cardiology	10	10	11	11
Cardiothoracic and vascular surgery	10	10	12	11
Critical care medicine	12	12	13	12
Dermatology	10	8	12	10
Emergency medicine	10	10	11	11
Family medicine/general practice	8	8	11	11
Gastroenterology	10	8	13	10
General surgery	10	10	10	10
Geriatrics	10	10	12	11
Hospital medicine	10	10	12	12
Internal medicine-general	10	10	12	12
Neurology	10	12	13	13
Neurosurgery	10	10	13	13
Obstetrics and gynecology	10	9	13	11
Occupational medicine	8	8	10	10
Oncology	8	10	11	11
Orthopaedic surgery	8	8	10	11
Otolaryngology	8	8	11	11
Pain medicine	10	10	12	14
Pediatrics- general	8	9	10	10
Physical medicine and rehabilitation	8	8	10	11
Plastic surgery	8	8	11	12
Psychiatry	10	10	13	11
Urology	8	9	13	11
All other specialties	9	8	11	10

## Table 5: Reasons PAs have a Secondary Clinical Position

Principal Specialty	Enjoy working in a variety of clinical settings	To gain experience in a different aspect of clinical care	To supplement the earnings from my principal clinical PA position	To supplement the earnings from my principal clinical PA position	Other
Cardiology	25.2%	23.1%	43.7%	43.7%	6.7%
Cardiothoracic and vascular surgery	21.3%	19.0%	50.5%	50.5%	8.8%
Critical care medicine	22.0%	18.9%	53.2%	53.2%	5.6%
Dermatology	35.0%	19.0%	32.7%	32.7%	6.6%
Emergency medicine	28.9%	14.4%	47.6%	47.6%	7.6%
Family medicine/general practice	27.1%	17.5%	42.9%	42.9%	11.0%
Gastroenterology	27.0%	19.0%	40.0%	40.0%	8.0%
General surgery	23.7%	24.4%	44.7%	44.7%	7.3%
Geriatrics	32.9%	18.3%	42.7%	42.7%	6.1%
Hospital medicine	24.0%	22.7%	46.2%	46.2%	6.3%
Internal medicine-general	27.2%	21.6%	42.6%	42.6%	6.2%
Neurology	21.2%	23.5%	47.1%	47.1%	5.9%
Neurosurgery	20.0%	25.2%	48.3%	48.3%	6.5%
Obstetrics and gynecology	31.1%	20.7%	43.0%	43.0%	3.0%
Occupational medicine	26.3%	14.7%	42.4%	42.4%	11.2%
Oncology	29.3%	18.2%	47.5%	47.5%	4.0%
Orthopaedic surgery	20.4%	20.3%	48.3%	48.3%	10.2%
Otolaryngology	30.2%	20.6%	42.9%	42.9%	3.2%
Pain medicine	27.7%	16.0%	43.7%	43.7%	10.1%
Pediatrics- general	22.1%	20.1%	45.6%	45.6%	7.4%
Physical medicine and rehabilitation	21.7%	15.2%	41.3%	41.3%	17.4%
Plastic surgery	36.8%	21.1%	32.6%	32.6%	6.3%
Psychiatry	37.2%	16.9%	37.2%	37.2%	7.3%
Urology	22.9%	16.9%	49.4%	49.4%	10.8%
All other specialties	27.0%	19.7%	41.9%	41.9%	0.9%