



Accreditation Council for Graduate Medical Education

Radiation Oncology Case Logs

National Data Report

Prepared by: Department of Applications and Data Analysis

- I. National Resident Statistics Comprehensive Table
 - A. This main table provides a national picture of educational experiences. The report is ideal for establishing and assessing national policy related to resident practical experiences.
 - B. Descriptive statistics have been carefully chosen to provide the most useful information for judging performance at that national level.
 - i. "Natl Res AVE" - The national average describes the mean number of procedures performed per resident in the nation.
 - ii. "Natl Res STD" - The standard deviation indicates how tightly the scores are clustered around the mean in the set of data.
 - iii. "Natl Res MIN" - The minimum value among procedure counts in the nation.
 - iv. "Natl Res MED" - The median value among procedure counts in the nation.
 - v. "Natl Res MAX" - The maximum value seen among procedure counts in the nation.
- II. National Resident Statistics Totals Only Table
This table is identical to the comprehensive table except that it only displays totals at the category level.
- III. National Benchmark Table for Resident Statistics
The table displays selected percentile benchmarks of resident averages. For example, a score at the 10th percentile indicates that 10% of residents achieved less than the value while the remaining 90% achieved more than the value.

The information on the following pages has been created using specialty specific categories. These data should not be used for comparison across specialties as the definition of the categories will vary among the specialties. In addition, care should be exercised when comparing data from year to year as the definition of certain categories may be revised from time to time.

RADIATION ONCOLOGY: NATIONAL RESIDENT REPORT (Comprehensive Table)
Reporting Period: Total Experience of Residents Completing Programs in 2018-2019
Residency Review Committee for Radiation Oncology
Report Date: August 27, 2019

[PART 1]		Number of Programs in the Nation: 86 Number of Residents in the Nation: 191				
		Performed				
		Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX
RRC Area	RRC Procedure					
Ex Beam- non-metastatic	BENIGN: SUBTOTAL	8.2	7.2	0	7	38
	- Benign: Heterotopic Bone	4.1	5.0	0	2	28
	- Benign: Eye	0.7	1.6	0	0	16
	- Benign: Other	3.4	4.0	0	2	32
	Bone/STS	10.6	7.8	0	8	45
	BREAST: SUBTOTAL	77.6	31.1	17	74	186
	- Breast: Intact	60.8	26.5	14	56	162
	- Breast: Post-Mastectomy	16.8	8.3	1	16	46
	CNS	30.5	15.8	5	29	117
	Endocrine	0.4	0.9	0	0	6
	HEAD & NECK: SUBTOTAL	58.5	24.5	15	55	180
	- Head & Neck: Intact	36.8	18.7	8	34	116
	- Head & Neck: Post-Operative	21.7	11.6	2	20	97
	GASTROINTESTINAL: SUBTOTAL	37.6	15.4	13	35	90
	- Gastrointestinal: Esophagus	8.7	4.4	1	8	23
	- Gastrointestinal: Stomach	1.9	1.8	0	1	8
	- Gastrointestinal: Pancreas	6.2	5.6	0	5	31
	- Gastrointestinal: Hepatobiliary	3.4	3.7	0	2	20
	- Gastrointestinal: Colon	0.8	1.1	0	0	7
	- Gastrointestinal: Rectum	11.2	5.8	2	10	42
	- Gastrointestinal: Anus	4.8	3.1	0	5	23
	- Gastrointestinal: Other	0.8	1.3	0	0	10

Statistics are based upon all procedures performed and logged by residents.

RADIATION ONCOLOGY: NATIONAL RESIDENT REPORT (Comprehensive Table)
Reporting Period: Total Experience of Residents Completing Programs in 2018-2019
Residency Review Committee for Radiation Oncology
Report Date: August 27, 2019

[PART 2]		Number of Programs in the Nation: 86		Number of Residents in the Nation: 191		
		Performed				
		Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX
RRC Area	RRC Procedure					
Ex Beam- non-metastatic	GENITOURINARY: SUBTOTAL	46.1	20.2	9	46	115
	- Genitourinary: Prostate	41.7	18.9	7	41	104
	- Genitourinary: Bladder	3.0	2.6	0	2	13
	- Genitourinary: Testes	0.4	0.7	0	0	4
	- Genitourinary: Other	1.0	1.3	0	1	9
	GYNECOLOGIC: SUBTOTAL	20.8	16.2	1	17	126
	- Gynecologic: Cervix Intact	6.9	6.9	0	5	44
	- Gynecologic: Cervix Post-Hysterectomy	1.7	1.8	0	1	12
	- Gynecologic: Uterus	8.4	8.5	0	7	83
	- Gynecologic: Other	3.9	3.2	0	3	16
	HEMA MALIGNANCIES: SUBTOTAL	24.5	15.2	3	21	85
	- Hodgkins Lymphoma	2.4	2.6	0	2	20
	- Non-Hodgkins Lymphoma	13.1	9.4	0	11	58
	- Leukemia/Myeloma	7.3	6.0	0	6	27
	- Other Hematologic Malignancies	1.7	2.3	0	1	12
	LUNG/MEDIASTINUM: SUBTOTAL	32.3	14.9	6	30	88
	- Lung/Medias: Small Cell Lung Cancer	5.2	3.6	0	4	25
	- Lung/Medias: Non-Small Lung Cancer	24.7	12.0	3	23	72
	- Lung/Mediastinum: Other	2.4	2.4	0	2	13
	Skin	11.8	7.7	0	10	45
	Unknown	0.1	0.4	0	0	3
	Ex Beam- non-metastatic - TOTAL	358.9	73.7	185	350	709
Ex Beam- metastatic	Secondary Site	129.2	40.0	45	127	325
	Ex Beam- metastatic - TOTAL	129.2	40.0	45	127	325

Statistics are based upon all procedures performed and logged by residents.

RADIATION ONCOLOGY: NATIONAL RESIDENT REPORT (Comprehensive Table)
Reporting Period: Total Experience of Residents Completing Programs in 2018-2019
Residency Review Committee for Radiation Oncology
Report Date: August 27, 2019

[PART 3]		Number of Programs in the Nation: 86		Number of Residents in the Nation: 191		
		Performed				
		Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX
RRC Area	RRC Procedure					
Pediatric	CNS	6.5	5.0	0	5	41
	Leukemia/Lymphoma	3.7	3.0	0	3	25
	Solid Tumor	7.2	4.6	1	6	37
	Pediatric - Other	2.1	1.8	0	2	11
	Pediatric - TOTAL	19.5	10.1	11	17	106
SRS	SRS - Brain	49.3	30.8	20	43	327
	SRS - TOTAL	49.3	30.8	20	43	327
SBRT	SBRT - Other Extracranial	16.6	15.2	0	12	78
	SBRT - Liver	8.3	8.8	0	5	43
	SBRT - Lung	29.3	18.7	5	26	141
	SBRT - Spine	9.6	12.2	0	6	75
	SBRT - TOTAL	63.8	34.5	10	56	252
Brachytherapy- Interstitial	Breast – Low Dose Rate	0.1	0.3	0	0	3
	Breast – High Dose Rate	2.2	4.5	0	0	26
	Soft Tissue Sarcoma – Low Dose Rate	0.1	0.3	0	0	2
	Soft Tissue Sarcoma – High Dose Rate	0.3	0.9	0	0	7
	Head & Neck – Low Dose Rate	0.2	0.8	0	0	9
	Head & Neck – High Dose Rate	0.3	0.8	0	0	7
	Prostate – Low Dose Rate	7.6	10.4	0	4	69
	Prostate – High Dose Rate	6.3	12.8	0	0	81
	GYN/Pelvis – Low Dose Rate	0.5	2.6	0	0	28
	GYN/Pelvis – High Dose Rate	5.9	9.3	0	4	69
	Other (Inter) – Low Dose Rate	1.4	5.2	0	0	62
	Other (Inter) – High Dose Rate	0.7	2.5	0	0	19
	Brachytherapy- Interstitial - TOTAL	25.5	21.3	5	19	136

Statistics are based upon all procedures performed and logged by residents.

RADIATION ONCOLOGY: NATIONAL RESIDENT REPORT (Comprehensive Table)
Reporting Period: Total Experience of Residents Completing Programs in 2018-2019
Residency Review Committee for Radiation Oncology
Report Date: August 27, 2019

[PART 4]		Number of Programs in the Nation: 86		Number of Residents in the Nation: 191		
		Performed				
		Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX
RRC Area	RRC Procedure					
Brachytherapy- Intracavitary	Cervix/Uterus – Low Dose Rate	1.5	5.4	0	0	47
	Cervix/Uterus – High Dose Rate	46.7	43.7	0	37	299
	Endovascular – Low Dose Rate	0.1	0.3	0	0	3
	Endovascular – High Dose Rate	0.3	1.5	0	0	16
	Intraluminal – Low Dose Rate	0.5	1.5	0	0	9
	Other (Intra) – Low Dose Rate	0.3	1.0	0	0	8
	Other (Intra) – High Dose Rate	2.6	9.2	0	0	118
	Brachytherapy- Intracavitary - TOTAL	51.9	45.3	15	41	312
	Endovascular Insertions	Endovascular Insertions	0.5	2.3	0	0
Endovascular Insertions - TOTAL		0.5	2.3	0	0	24
Unsealed Sources	I-131 Oral	3.8	4.8	0	3	48
	P-32 Colloid	0.1	0.5	0	0	5
	SR-89	0.0	0.1	0	0	2
	SM-153	0.0	0.2	0	0	2
	Radiolabeled Drugs	0.7	2.3	0	0	23
	Yttrium 90	2.4	4.3	0	1	32
	Unsealed Sources - Other	2.6	3.5	0	2	26
	Unsealed Sources - TOTAL	9.7	9.4	3	6	85
TOTAL ALL PROCEDURES	TOTAL PROCS	708.3	163.6	464	682	1,977

Statistics are based upon all procedures performed and logged by residents.

RADIATION ONCOLOGY: NATIONAL RESIDENT REPORT (Totals Only)
Reporting Period: Total Experience of Residents Completing Programs in 2018-2019
Residency Review Committee for Radiation Oncology
Report Date: August 27, 2019

[PART 1]		Number of Programs in the Nation: 86		Number of Residents in the Nation: 191		
		Performed				
		Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX
RRC Area	RRC Procedure					
Ex Beam- non-metastatic	Ex Beam- non-metastatic - TOTAL	358.9	74	185	350	709
Ex Beam- metastatic	Ex Beam- metastatic - TOTAL	129.2	40	45	127	325
Pediatric	Pediatric - TOTAL	19.5	10	11	17	106
SRS	SRS - TOTAL	49.3	31	20	43	327
SBRT	SBRT - TOTAL	63.8	34	10	56	252
Brachytherapy- Interstitial	Brachytherapy- Interstitial - TOTAL	25.5	21	5	19	136
Brachytherapy- Intracavitary	Brachytherapy- Intracavitary - TOTAL	51.9	45	15	41	312
Endovascular Insertions	Endovascular Insertions - TOTAL	0.5	2	0	0	24
Unsealed Sources	Unsealed Sources - TOTAL	9.7	9	3	6	85
TOTAL ALL PROCEDURES	TOTAL PROCS	708.3	164	464	682	1,977

Statistics are based upon all procedures performed and logged by residents.

RADIATION ONCOLOGY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2018-2019
Residency Review Committee for Radiation Oncology
Report Date: August 27, 2019

[PART 1]		Programs in the Nation: 86 Residents in the Nation: 191				
		Performed				
		Natl Percentiles				
		10	30	50	70	90
RRC Area	RRC Procedure					
Ex Beam- non-metastatic	BENIGN: SUBTOTAL	1	4	7	10	18
	- Benign: Heterotopic Bone	0	1	2	4	11
	- Benign: Eye	0	0	0	1	2
	- Benign: Other	0	1	2	4	7
	Bone/STS	3	6	8	13	20
	BREAST: SUBTOTAL	44	58	74	91	116
	- Breast: Intact	32	44	56	73	93
	- Breast: Post-Mastectomy	7	12	16	20	27
	CNS	12	21	29	36	50
	Endocrine	0	0	0	0	1
	HEAD & NECK: SUBTOTAL	32	45	55	68	92
	- Head & Neck: Intact	17	26	34	42	59
	- Head & Neck: Post-Operative	8	16	20	26	35
	GASTROINTESTINAL: SUBTOTAL	20	28	35	44	57
	- Gastrointestinal: Esophagus	4	6	8	10	15
	- Gastrointestinal: Stomach	0	1	1	2	5
	- Gastrointestinal: Pancreas	1	3	5	7	13
	- Gastrointestinal: Hepatobiliary	0	1	2	4	9
	- Gastrointestinal: Colon	0	0	0	1	2
	- Gastrointestinal: Rectum	5	8	10	13	18
	- Gastrointestinal: Anus	1	3	5	6	8
	- Gastrointestinal: Other	0	0	0	1	2

Statistics are based upon all procedures performed and logged by residents.

RADIATION ONCOLOGY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2018-2019
Residency Review Committee for Radiation Oncology
Report Date: August 27, 2019

[PART 2]		Programs in the Nation: 86 Residents in the Nation: 191				
		Performed				
		Natl Percentiles				
		10	30	50	70	90
RRC Area	RRC Procedure					
Ex Beam- non-metastatic	GENITOURINARY: SUBTOTAL	22	34	46	55	72
	- Genitourinary: Prostate	18	31	41	50	66
	- Genitourinary: Bladder	0	1	2	4	7
	- Genitourinary: Testes	0	0	0	0	1
	- Genitourinary: Other	0	0	1	1	3
	GYNECOLOGIC: SUBTOTAL	7	12	17	22	39
	- Gynecologic: Cervix Intact	1	3	5	7	15
	- Gynecologic: Cervix Post-Hysterectomy	0	0	1	2	4
	- Gynecologic: Uterus	2	4	7	9	16
	- Gynecologic: Other	1	2	3	5	8
	HEMA MALIGNANCIES: SUBTOTAL	8	15	21	29	47
	- Hodgkins Lymphoma	0	1	2	3	5
	- Non-Hodgkins Lymphoma	4	8	11	15	24
	- Leukemia/Myeloma	1	3	6	10	16
	- Other Hematologic Malignancies	0	0	1	2	5
	LUNG/MEDIASTINUM: SUBTOTAL	17	23	30	38	51
	- Lung/Medias: Small Cell Lung Cancer	1	3	4	7	10
	- Lung/Medias: Non-Small Lung Cancer	11	18	23	29	39
	- Lung/Mediastinum: Other	0	1	2	3	6
	Skin	3	7	10	14	21
	Unknown	0	0	0	0	1
	Ex Beam- non-metastatic - TOTAL	275	318	350	386	452
Ex Beam- metastatic	Secondary Site	84	109	127	141	174
	Ex Beam- metastatic - TOTAL	84	109	127	141	174

Statistics are based upon all procedures performed and logged by residents.

RADIATION ONCOLOGY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2018-2019
Residency Review Committee for Radiation Oncology
Report Date: August 27, 2019

[PART 3]		Programs in the Nation: 86 Residents in the Nation: 191				
		Performed				
		Natl Percentiles				
		10	30	50	70	90
RRC Area	RRC Procedure					
Pediatric	CNS	2	4	5	8	12
	Leukemia/Lymphoma	1	2	3	5	7
	Solid Tumor	3	5	6	8	12
	Pediatric - Other	0	1	2	3	4
	Pediatric - TOTAL	12	14	17	21	29
SRS	SRS - Brain	23	32	43	56	74
	SRS - TOTAL	23	32	43	56	74
SBRT	SBRT - Other Extracranial	4	8	12	18	35
	SBRT - Liver	1	3	5	10	19
	SBRT - Lung	11	19	26	33	50
	SBRT - Spine	1	4	6	9	20
	SBRT - TOTAL	27	45	56	73	109
Brachytherapy- Interstitial	Breast – Low Dose Rate	0	0	0	0	0
	Breast – High Dose Rate	0	0	0	1	7
	Soft Tissue Sarcoma – Low Dose Rate	0	0	0	0	0
	Soft Tissue Sarcoma – High Dose Rate	0	0	0	0	1
	Head & Neck – Low Dose Rate	0	0	0	0	0
	Head & Neck – High Dose Rate	0	0	0	0	1
	Prostate – Low Dose Rate	0	1	4	9	21
	Prostate – High Dose Rate	0	0	0	4	24
	GYN/Pelvis – Low Dose Rate	0	0	0	0	1
	GYN/Pelvis – High Dose Rate	0	1	4	6	14
	Other (Inter) – Low Dose Rate	0	0	0	0	4
	Other (Inter) – High Dose Rate	0	0	0	0	1
	Brachytherapy- Interstitial - TOTAL	7	13	19	31	50

Statistics are based upon all procedures performed and logged by residents.

RADIATION ONCOLOGY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
Reporting Period: Total Experience of Residents Completing Programs in 2018-2019
Residency Review Committee for Radiation Oncology
Report Date: August 27, 2019

[PART 4]		Programs in the Nation: 86 Residents in the Nation: 191				
		Performed				
		Nati Percentiles				
		10	30	50	70	90
RRC Area	RRC Procedure					
Brachytherapy- Intracavitary	Cervix/Uterus – Low Dose Rate	0	0	0	0	2
	Cervix/Uterus – High Dose Rate	14	26	37	49	79
	Endovascular – Low Dose Rate	0	0	0	0	0
	Endovascular – High Dose Rate	0	0	0	0	0
	Intraluminal – Low Dose Rate	0	0	0	0	1
	Other (Intra) – Low Dose Rate	0	0	0	0	1
	Other (Intra) – High Dose Rate	0	0	0	2	7
	Brachytherapy- Intracavitary - TOTAL	19	30	41	51	85
Endovascular Insertions	Endovascular Insertions	0	0	0	0	1
	Endovascular Insertions - TOTAL	0	0	0	0	1
Unsealed Sources	I-131 Oral	3	3	3	3	4
	P-32 Colloid	0	0	0	0	0
	SR-89	0	0	0	0	0
	SM-153	0	0	0	0	0
	Radiolabeled Drugs	0	0	0	0	3
	Yttrium 90	0	0	1	3	7
	Unsealed Sources - Other	0	0	2	3	5
	Unsealed Sources - TOTAL	6	6	6	8	16
TOTAL ALL PROCEDURES	TOTAL PROCS	557	621	682	733	900

Statistics are based upon all procedures performed and logged by residents.