



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 2017-2018
Residency Review Committee for Radiation Oncology
Report Date: May 7, 2019

[PART 1]		Number of Programs in the Nation: 87		Number of Residents in the Nation: 189		
		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	7.8	7.3	0	6	39
	- Benign: Heterotopic Bone	3.8	5.2	0	2	35
	- Benign: Eye	0.6	1.3	0	0	11
	- Benign: Other	3.4	4.3	0	2	30
	Bone/STS	9.7	7.1	0	8	40
	BREAST: SUBTOTAL	75.4	30.8	5	72	186
	- Breast: Intact	59.1	26.6	2	55	162
	- Breast: Post-Mastectomy	16.3	7.9	2	15	38
	CNS	28.5	14.3	4	26	71
	Endocrine	0.5	1.1	0	0	9
	HEAD & NECK: SUBTOTAL	54.6	22.5	7	51	135
	- Head & Neck: Intact	34.1	15.3	4	31	82
	- Head & Neck: Post-Operative	20.5	11.0	1	19	64
	GASTROINTESTINAL: SUBTOTAL	39.0	15.4	1	38	115
	- Gastrointestinal: Esophagus	8.8	5.0	0	9	47
	- Gastrointestinal: Stomach	2.0	2.2	0	2	15
	- Gastrointestinal: Pancreas	6.8	5.4	0	5	35
	- Gastrointestinal: Hepatobiliary	3.4	3.8	0	2	21
	- Gastrointestinal: Colon	0.7	1.0	0	0	5
	- Gastrointestinal: Rectum	11.7	5.7	0	11	32
	- Gastrointestinal: Anus	5.0	3.0	0	4	19
	- Gastrointestinal: Other	0.7	1.1	0	0	9

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

RADIATION ONCOLOGY: NATIONAL RESIDENT REPORT (Comprehensive Table)
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[PART 2]		Number of Programs in the Nation: 87		Number of Residents in the Nation: 189		
		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	45.2	19.1	4	44	102
	- Genitourinary: Prostate	40.5	17.7	4	39	100
	- Genitourinary: Bladder	3.3	2.7	0	3	14
	- Genitourinary: Testes	0.4	0.7	0	0	3
	- Genitourinary: Other	1.0	1.2	0	1	7
	GYNECOLOGIC: SUBTOTAL	19.9	14.2	0	16	74
	- Gynecologic: Cervix Intact	6.8	6.8	0	5	37
	- Gynecologic: Cervix Post-Hysterectomy	1.4	1.7	0	1	8
	- Gynecologic: Uterus	7.9	7.1	0	6	39
	- Gynecologic: Other	3.8	2.9	0	3	17
	HEMA MALIGNANCIES: SUBTOTAL	24.0	15.0	2	21	109
	- Hodgkins Lymphoma	2.3	2.3	0	2	16
	- Non-Hodgkins Lymphoma	12.2	8.4	1	10	61
	- Leukemia/Myeloma	7.9	6.7	0	7	35
	- Other Hematologic Malignancies	1.5	2.1	0	1	9
	LUNG/MEDIASTINUM: SUBTOTAL	31.9	15.1	5	30	100
	- Lung/Medias: Small Cell Lung Cancer	5.1	3.7	0	4	28
	- Lung/Medias: Non-Small Lung Cancer	24.8	12.5	2	23	77
	- Lung/Mediastinum: Other	2.0	2.3	0	1	20
	Skin	11.7	8.2	0	10	50
	Unknown	0.3	0.7	0	0	4
	Ex Beam- non-metastatic - TOTAL	348.6	66.9	217	338	618
Ex Beam- metastatic	Secondary Site	129.9	37.7	50	126	300
	Ex Beam- metastatic - TOTAL	129.9	37.7	50	126	300

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

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[PART 3]		Number of Programs in the Nation: 87		Number of Residents in the Nation: 189		
		Performed				
		Natl Res AVE	Natl Res STD	Natl Res MIN	Natl Res MED	Natl Res MAX
RRC Area	RRC Procedure					
Pediatric	CNS	6.6	5.2	0	5	38
	Leukemia/Lymphoma	3.2	2.6	0	3	18
	Solid Tumor	7.5	5.2	0	6	33
	Pediatric - Other	2.0	1.7	0	2	7
	Pediatric - TOTAL	19.4	10.2	12	16	95
SRS	SRS - Brain	50.3	30.2	20	45	227
	SRS - TOTAL	50.3	30.2	20	45	227
SBRT	SBRT - Other Extracranial	22.2	19.1	1	17	154
	SBRT - Liver	5.6	7.5	0	3	50
	SBRT - Lung	21.1	13.8	0	19	78
	SBRT - Spine	6.7	9.9	0	4	90
	SBRT - TOTAL	55.6	32.1	12	49	225
Brachytherapy- Interstitial	Breast – Low Dose Rate	0.0	0.1	0	0	1
	Breast – High Dose Rate	1.7	3.4	0	0	18
	Soft Tissue Sarcoma – Low Dose Rate	0.0	0.2	0	0	2
	Soft Tissue Sarcoma – High Dose Rate	0.2	0.6	0	0	4
	Head & Neck – Low Dose Rate	0.2	0.9	0	0	10
	Head & Neck – High Dose Rate	0.2	0.7	0	0	6
	Prostate – Low Dose Rate	7.4	9.8	0	4	72
	Prostate – High Dose Rate	4.6	11.3	0	0	80
	GYN/Pelvis – Low Dose Rate	0.3	1.6	0	0	21
	GYN/Pelvis – High Dose Rate	4.2	6.3	0	2	55
	Other (Inter) – Low Dose Rate	1.2	2.7	0	0	16
	Other (Inter) – High Dose Rate	0.4	1.1	0	0	7
	Brachytherapy- Interstitial - TOTAL	20.6	16.8	5	15	122

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

RADIATION ONCOLOGY: NATIONAL RESIDENT REPORT (Comprehensive Table)
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[PART 4]		Number of Programs in the Nation: 87		Number of Residents in the Nation: 189		
		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	1.3	5.1	0	0	44
	Cervix/Uterus – High Dose Rate	47.4	41.6	0	36	283
	Endovascular – Low Dose Rate	0.1	0.7	0	0	6
	Endovascular – High Dose Rate	0.2	1.3	0	0	16
	Intraluminal – Low Dose Rate	1.0	3.8	0	0	45
	Other (Intra) – Low Dose Rate	0.5	1.3	0	0	8
	Other (Intra) – High Dose Rate	1.9	3.6	0	0	28
	Brachytherapy- Intracavitary - TOTAL	52.4	43.7	15	42	335
	Endovascular Insertions	Endovascular Insertions	0.5	1.9	0	0
Endovascular Insertions - TOTAL		0.5	1.9	0	0	13
Unsealed Sources	I-131 Oral	4.2	6.1	0	3	61
	P-32 Colloid	0.0	0.3	0	0	3
	SM-153	0.1	0.4	0	0	2
	Radiolabeled Drugs	0.4	1.5	0	0	17
	Yttrium 90	3.1	6.0	0	1	45
	Unsealed Sources - Other	3.1	4.6	0	3	25
	Unsealed Sources - TOTAL	10.9	11.7	0	7	100
TOTAL ALL PROCEDURES	TOTAL PROCS	688.2	135.7	473	663	1,289

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

RADIATION ONCOLOGY: NATIONAL RESIDENT REPORT (Totals Only)
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[PART 1]		Number of Programs in the Nation: 87		Number of Residents in the Nation: 189		
		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	348.6	67	217	338	618
Ex Beam- metastatic	Ex Beam- metastatic - TOTAL	129.9	38	50	126	300
Pediatric	Pediatric - TOTAL	19.4	10	12	16	95
SRS	SRS - TOTAL	50.3	30	20	45	227
SBRT	SBRT - TOTAL	55.6	32	12	49	225
Brachytherapy- Interstitial	Brachytherapy- Interstitial - TOTAL	20.6	17	5	15	122
Brachytherapy- Intracavitary	Brachytherapy- Intracavitary - TOTAL	52.4	44	15	42	335
Endovascular Insertions	Endovascular Insertions - TOTAL	0.5	2	0	0	13
Unsealed Sources	Unsealed Sources - TOTAL	10.9	12	0	7	100
TOTAL ALL PROCEDURES	TOTAL PROCS	688.2	136	473	663	1,289

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

RADIATION ONCOLOGY: NATIONAL RESIDENT STATISTICS REPORT (Benchmarks Table)
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[PART 1]		Programs in the Nation: 87 Residents in the Nation: 189				
		Performed				
		Natl Percentiles				
		10	30	50	70	90
RRC Area	RRC Procedure					
Ex Beam- non-metastatic	BENIGN: SUBTOTAL	1	3	6	9	17
	- Benign: Heterotopic Bone	0	1	2	4	10
	- Benign: Eye	0	0	0	1	2
	- Benign: Other	0	1	2	4	8
	Bone/STS	3	6	8	11	18
	BREAST: SUBTOTAL	42	59	72	85	116
	- Breast: Intact	28	45	55	68	94
	- Breast: Post-Mastectomy	7	11	15	20	28
	CNS	11	19	26	35	50
	Endocrine	0	0	0	0	2
	HEAD & NECK: SUBTOTAL	31	41	51	62	85
	- Head & Neck: Intact	17	24	31	41	56
	- Head & Neck: Post-Operative	8	14	19	24	36
	GASTROINTESTINAL: SUBTOTAL	22	30	38	44	58
	- Gastrointestinal: Esophagus	3	6	9	11	14
	- Gastrointestinal: Stomach	0	1	2	3	4
	- Gastrointestinal: Pancreas	2	4	5	8	14
	- Gastrointestinal: Hepatobiliary	0	1	2	4	8
	- Gastrointestinal: Colon	0	0	0	1	2
	- Gastrointestinal: Rectum	5	9	11	14	20
	- Gastrointestinal: Anus	2	3	4	7	9
	- Gastrointestinal: Other	0	0	0	1	2

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

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[PART 2]		Programs in the Nation: 87 Residents in the Nation: 189				
		Performed				
		Natl Percentiles				
		10	30	50	70	90
RRC Area	RRC Procedure					
Ex Beam- non-metastatic	GENITOURINARY: SUBTOTAL	21	34	44	53	73
	- Genitourinary: Prostate	18	30	39	47	67
	- Genitourinary: Bladder	0	2	3	4	7
	- Genitourinary: Testes	0	0	0	0	1
	- Genitourinary: Other	0	0	1	1	2
	GYNECOLOGIC: SUBTOTAL	6	11	16	24	36
	- Gynecologic: Cervix Intact	1	3	5	8	16
	- Gynecologic: Cervix Post-Hysterectomy	0	0	1	2	3
	- Gynecologic: Uterus	2	4	6	9	16
	- Gynecologic: Other	1	2	3	5	7
	HEMA MALIGNANCIES: SUBTOTAL	11	15	21	29	41
	- Hodgkins Lymphoma	0	1	2	3	5
	- Non-Hodgkins Lymphoma	4	7	10	14	23
	- Leukemia/Myeloma	1	4	7	10	17
	- Other Hematologic Malignancies	0	0	1	2	5
	LUNG/MEDIASTINUM: SUBTOTAL	15	23	30	38	51
	- Lung/Medias: Small Cell Lung Cancer	1	3	4	6	10
	- Lung/Medias: Non-Small Lung Cancer	10	18	23	29	42
	- Lung/Mediastinum: Other	0	1	1	2	5
	Skin	3	7	10	14	22
	Unknown	0	0	0	0	1
	Ex Beam- non-metastatic - TOTAL	267	313	338	378	435
Ex Beam- metastatic	Secondary Site	88	108	126	148	184
	Ex Beam- metastatic - TOTAL	88	108	126	148	184

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[PART 3]		Programs in the Nation: 87 Residents in the Nation: 189				
		Performed				
		Natl Percentiles				
		10	30	50	70	90
RRC Area	RRC Procedure					
Pediatric	CNS	2	4	5	8	12
	Leukemia/Lymphoma	0	2	3	4	6
	Solid Tumor	3	5	6	8	14
	Pediatric - Other	0	1	2	3	5
	Pediatric - TOTAL	12	14	16	20	31
SRS	SRS - Brain	22	29	45	59	88
	SRS - TOTAL	22	29	45	59	88
SBRT	SBRT - Other Extracranial	5	12	17	24	46
	SBRT - Liver	0	1	3	6	13
	SBRT - Lung	6	12	19	26	39
	SBRT - Spine	1	2	4	7	13
	SBRT - TOTAL	24	38	49	61	101
Brachytherapy- Interstitial	Breast – Low Dose Rate	0	0	0	0	0
	Breast – High Dose Rate	0	0	0	1	6
	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	1
	Head & Neck – High Dose Rate	0	0	0	0	1
	Prostate – Low Dose Rate	0	2	4	9	18
	Prostate – High Dose Rate	0	0	0	2	14
	GYN/Pelvis – Low Dose Rate	0	0	0	0	1
	GYN/Pelvis – High Dose Rate	0	1	2	5	9
	Other (Inter) – Low Dose Rate	0	0	0	1	4
	Other (Inter) – High Dose Rate	0	0	0	0	1
	Brachytherapy- Interstitial - TOTAL	6	10	15	24	44

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

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[PART 4]		Programs in the Nation: 87 Residents in the Nation: 189				
		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	16	23	36	51	87
	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	3
	Other (Intra) – Low Dose Rate	0	0	0	0	1
	Other (Intra) – High Dose Rate	0	0	0	2	5
	Brachytherapy- Intracavitary - TOTAL	18	27	42	58	104
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	5
	P-32 Colloid	0	0	0	0	0
	SM-153	0	0	0	0	0
	Radiolabeled Drugs	0	0	0	0	1
	Yttrium 90	0	0	1	3	9
	Unsealed Sources - Other	0	1	3	3	6
	Unsealed Sources - TOTAL	6	6	7	8	21
TOTAL ALL PROCEDURES	TOTAL PROCS	535	608	663	743	844

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