

## Radiation-Induced Disorders: SNOMED CT & ICD-10-CM Codes

*Conditions resulting from exposure to external ionizing radiation or internal contamination with radioactive material (RAM)*

Categories: **E** = External Ionizing Radiation | **I** = Internal Contamination (RAM) | **B** = Both

#	Condition Name	SNOMED CT Code	ICD-10-CM Code	Exposure Type	System / Category	Notes
1	Radiation-Induced Hypothyroidism	40930008	E03.9	E	Endocrine	Risk elevated with neck/head RT; may be delayed years post-exposure
2	Radiation-Induced Thyroiditis	34171009	E06.4	E	Endocrine	Acute inflammatory phase following external beam RT to thyroid field
3	Radiation-Induced Hypoparathyroidism	36976004	E20.9	E	Endocrine	Parathyroid glands highly radiosensitive; hypocalcemia may result
4	Radiation-Induced Pituitary Insufficiency	723074006	E23.1	E	Endocrine	Cranial irradiation; growth hormone axis most sensitive
5	Radiation-Induced Adrenal Insufficiency	237785003	E27.49	E	Endocrine	Rare; associated with high-dose abdominal/adrenal-field radiation
6	Radiation Pneumonitis	415068001	J70.0	E	Pulmonary	Acute phase 4–12 wks post-thoracic RT; fever, dyspnea, cough
7	Radiation-Induced Pulmonary Fibrosis	415069009	J70.1	E	Pulmonary	Chronic sequela of pneumonitis; progressive and irreversible
8	Radiation-Induced Pleural Effusion	60046008	J91.8	E	Pulmonary	Can occur with high-dose mediastinal or thoracic radiation
9	Radiation-Induced Bronchial Stenosis	79226005	J98.09	E	Pulmonary	Late fibrotic narrowing of central airways post-RT
10	Radiation-Induced Pericarditis	48942004	I31.9	E	Cardiovascular	Acute or chronic; mediastinal/chest radiation; pericardial thickening
11	Radiation-Induced Cardiomyopathy	57809008	I42.9	E	Cardiovascular	Myocardial fibrosis; reduced systolic function; late effect of RT
12	Radiation-Induced Coronary Artery Disease	53741008	I25.10	E	Cardiovascular	Accelerated atherosclerosis in RT field; chest/mediastinal exposure
13	Radiation-Induced Valvular Heart Disease	368009	I38	E	Cardiovascular	Aortic/mitral fibrosis; decades after thoracic RT
14	Radiation-Induced Vascular Disease / Stenosis	413241009	I77.9	E	Cardiovascular	Includes carotid and subclavian stenosis post-cervical RT
15	Radiation-Induced Lymphedema	234097001	I89.0	E	Cardiovascular	Lymphatic disruption; common after axillary/pelvic nodal RT
16	Radiation-Induced Leukoencephalopathy	230760009	G93.89	E	Neurological	White matter injury post-cranial RT; cognitive decline, gait disturbance
17	Radiation-Induced Myelopathy	230612003	G95.89	E	Neurological	Spinal cord injury post-RT; Lhermitte's sign early; paraplegia late
18	Radiation-Induced Peripheral Neuropathy	230614002	G62.89	E	Neurological	Sensorimotor deficits; dose/volume dependent

19	Radiation-Induced Cognitive Impairment	386806002	F06.70	E	Neurological	Affects memory, processing speed; pediatric patients most vulnerable
20	Radiation-Induced Optic Neuropathy	413839001	H47.011	E	Neurological	Vision loss weeks–years post-RT; optic chiasm/nerve in field
21	Radiation-Induced Brachial Plexopathy	230599006	G54.0	E	Neurological	Upper extremity sensorimotor loss; axillary/supraclavicular RT
22	Radiation-Induced Retinopathy	247023007	H35.89	E	Ocular	Vascular injury; microaneurysms, hemorrhage, neovascularization
23	Radiation-Induced Dry Eye Syndrome	46152009	H04.123	E	Ocular	Lacrimal gland damage; occurs with ocular/orbital RT
24	Radiation-Induced Keratitis	5888003	H16.009	E	Ocular	Corneal epithelial damage; acute or chronic
25	Radiation-Induced Lacrimal Duct Obstruction	34085007	H04.509	E	Ocular	Fibrotic stenosis of nasolacrimal duct after periorbital RT
26	Radiation-Induced Esophagitis	230475003	K20.9	E	Gastrointestinal	Acute mucositis; dysphagia during/after thoracic/cervical RT
27	Radiation-Induced Enteritis	8766005	K52.0	E	Gastrointestinal	Small bowel injury; diarrhea, malabsorption; abdominal RT
28	Radiation-Induced Proctitis	24596005	K62.7	E	Gastrointestinal	Rectal bleeding, urgency; pelvic RT; may be chronic
29	Radiation-Induced Hepatitis / RILD	406567001	K71.9	E	Gastrointestinal	Radiation-induced liver disease; dose threshold ~30–35 Gy
30	Radiation-Induced Bowel Stricture / Obstruction	79226005	K56.699	E	Gastrointestinal	Late fibrotic sequela of abdominal/pelvic RT
31	Radiation-Induced Salivary Gland Dysfunction	87715008	K11.7	E	Gastrointestinal	Xerostomia; parotid most sensitive; head and neck RT
32	Radiation Nephropathy	413844006	N28.9	E	Renal/Urological	Hypertension, proteinuria, renal failure; abdominal RT $\geq$ 23 Gy
33	Radiation Cystitis	197927001	N30.40	E	Renal/Urological	Bladder mucosal injury; hematuria, urgency; pelvic RT
34	Radiation-Induced Urethral Stricture	29985005	N35.919	E	Renal/Urological	Fibrotic narrowing post pelvic/prostate RT
35	Radiation-Induced Erectile Dysfunction	860914002	N52.31	E	Renal/Urological	Vascular and neurogenic injury; pelvic RT
36	Radiation-Induced Gonadal Failure (Male)	87355005	E29.1	E	Reproductive	Testicular irradiation; azoospermia, testosterone deficiency
37	Radiation-Induced Gonadal Failure (Female)	236424008	E28.39	E	Reproductive	Ovarian failure; menopause, infertility; pelvic RT
38	Radiation-Induced Azoospermia	425256005	N46.01	E	Reproductive	Temporary or permanent; dose-dependent; fractionated exposure
39	Radiation-Induced Vaginal Stenosis	58705006	N89.5	E	Reproductive	Fibrotic narrowing; pelvic RT; sexual dysfunction

40	Osteoradionecrosis	44537007	M87.08	E	Musculoskeletal	Bone devascularization; jaw most common; mandibular RT
41	Radiation-Induced Osteitis / Bone Injury	396226003	M89.9	E	Musculoskeletal	Bone marrow fibrosis, cortical damage; high cumulative dose
42	Radiation-Induced Pathological Fracture	22660002	M84.559	E	Musculoskeletal	Weakened irradiated bone; rib, femur most common
43	Radiation-Induced Rhabdomyolysis	240131006	M62.82	E	Musculoskeletal	Rare; extensive muscle fibrosis; high-dose RT to large fields
44	Chronic Radiation Dermatitis	402276006	L58.1	E	Dermatological	Atrophy, fibrosis, telangiectasia; late skin RT effect
45	Radiation-Induced Skin Fibrosis	406566005	L90.5	E	Dermatological	Induration and contraction of dermis/subcutis post-RT
46	Radiation-Induced Alopecia	278040002	L66.9	E	Dermatological	Permanent hair loss in RT field; >45 Gy threshold
47	Radiation Necrosis of Soft Tissue	54937009	M79.89	E	Dermatological	Full-thickness tissue death; wound that won't heal
48	Radiation-Induced Aplastic Anemia	306058006	D61.2	B	Hematological	Bone marrow failure; whole-body or large-field RT; also Sr-90, Ra
49	Radiation-Induced Thrombocytopenia	302215000	D69.59	B	Hematological	Platelet suppression; marrow irradiation or systemic radionuclides
50	Radiation-Induced Pancytopenia	127034005	D61.818	B	Hematological	Acute radiation syndrome; whole-body doses > 1–2 Gy
51	Radiation-Induced Immune Suppression	234532001	D89.9	B	Hematological	Lymphopenia; T-cell and B-cell dysfunction; whole-body exposure
52	Radiation-Induced Bone Marrow Suppression (RAM)	127034005	D61.2	I	Hematological	Sr-90, Ra-226 bone-seekers; chronic low-dose marrow exposure
53	Radiation-Induced Lung Injury (Inhaled RAM)	415068001	J70.0	I	Pulmonary	Inhaled alpha-emitters (Pu-239, Am-241); hot-particle bronchitis
54	Radiation-Induced Kidney Injury (RAM)	413844006	N28.9	I	Renal/Urological	U-238 nephrotoxicity; renal tubular damage from internal deposits
55	Radiation-Induced Liver Injury (RAM)	406567001	K76.89	I	Gastrointestinal	Thorotrast (Th-232) or systemic radionuclides; perisinusoidal fibrosis
56	Radiation-Induced Thyroid Injury (Radioiodine)	34171009	E06.4	I	Endocrine	I-131 internal contamination; thyroiditis, hypothyroidism
57	Radiation-Induced Sialoadenitis (RAM)	87715008	K11.20	I	Oral/ENT	I-131 concentrates in salivary glands; xerostomia, pain
58	Radiation-Induced Trismus	230651008	M26.69	E	Oral/ENT	Fibrosis of masticatory muscles; head/neck RT; jaw stiffness
59	Radiation-Induced Hearing Loss / Ototoxicity	343087000	H91.90	E	Oral/ENT	Cochlear damage; temporal bone RT; high-frequency SNHL
60	Radiation-Induced Osteoradionecrosis of Jaw	44537007	M87.08	E	Oral/ENT	Mandibular devascularization; dental extractions in RT field

61	Radiation-Induced Mucositis	415068001	K12.30	E	Oral/ENT	Painful ulceration of oral/pharyngeal mucosa during/after RT
62	Radiation-Induced Nasal/Sinus Stenosis	22660002	J34.89	E	Oral/ENT	Fibrotic narrowing of nasal passages; skull-base/nasal RT

*Note: This table excludes conditions currently acknowledged by the VA as radiogenic diseases. Codes are for reference; clinical documentation should specify etiology. ICD-10-CM codes current as of FY2025.*