

Table S1. Imaging tests included and doses used per examination (mSv) (adults).

Tests	Anatomical sites	Doses (mSv)
Plain radiography	Abdomen	0.5
	Cervical spine	0.05
	Chest/Thorax	0.05
	Lumbar spine	0.8
	Pelvis/Hip	0.37
	Breast (incl. mammography)	0.64
	Thoracic spine	0.50
	Skull	0.1
	Knee	0.005
	Other extremities	0.001
	Shoulder	0.01
Fluoroscopy	Hysterosalpingography	1.95
	Urography	3.5
	Ba enema	5.8
	Ba meal	3.6
	Ba follow-through	3.5
	Endoscopic retrograde cholangiopancreatography	4.0
Computed tomography	Abdomen	6.8
	Chest	7.0
	Chest for pulmonary embolism	15.0
	Abdomen-chest	15.3
	Head	1.7
	Neck	3.0
	Pelvis	7.4
	Abdomen and pelvis	10.0
	Cervical spine	7.0
	Trunk	12.3
	Skull	2.0
Interventional radiology	Lumbar spine	6.0
	Thoracic spine	7.0
	Head and/or neck angiography	5.0
	Coronary angiography (diagnostic)	7.0
	Coronary percutaneous transluminal angioplasty, stent placement, or radiofrequency ablation	15.0
Thoracic angiography of pulmonary artery or aorta	5.0	

	Abdominal angiography or aortography	12.0
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Table S2. Imaging tests included and doses used per examination (mSv) (children).

Tests	Anatomical sites	<1 year old	>1-5 years old	>5-10 years old	>10-15 years old
Plain radiography	Abdomen	0.07	0.09	0.15	0.27
	Cervical spine	0.02	0.03	0.05	0.10
	Chest/Thorax	0.05	0.05	0.05	0.06
	Lumbar spine	0.4	0.5	0.6	0.8
	Pelvis/Hip	0.08	0.10	0.15	0.21
	Thoracic spine	0.39	0.41	0.77	1.18
	Fluoroscopy	Hysterosalpingography			
Urography		0.5	0.5	0.7	1.0
Ba enema		2.3	2.3	2.3	2.3
Ba meal		0.7	0.6	0.9	1.0
Ba follow-through		1.2	1.2	1.2	1.2
Computed tomography	Abdomen	7.9	7.9	7.9	7.9
	Chest	3.9	2.8	4.2	6.8
	Head	1.7	1.6	1.8	1.6
	Pelvis	7.9	7.9	7.9	7.9
	Trunk	3.9	3.0	5.6	8.3

Table S3. Cumulative effective dose (mSv) per person exposed during the period of study (plain radiography).

Age at entry to study (years)	Total			Men			Women			p-value
	Median	Percentil 25-75	Maximum	Median	Percentil 25-75	Maximum	Median	Percentil 25-75	Maximum	
0-5	0.20	0.06-1.01	47.14	0.20	0.06-0.90	26.34	0.20	0.06-1.16	47.14	0.453
5-10	0.39	0.04-1.42	24.90	0.38	0.04-1.30	24.90	0.40	0.02-1.53	23.40	0.456
10-15	0.64	0.10-1.28	14.64	0.64	0.10-1.28	14.64	0.64	0.10-1.38	13.14	0.097
15-20	0.64	0.20-1.28	23.26	0.64	0.12-1.28	14.96	0.64	0.30-1.38	23.26	0.043
20-30	0.64	0.38-1.88	30.01	0.64	0.20-1.34	22.51	0.64	0.46-1.92	30.01	<0.001
30-40	0.74	0.48-2.08	46.73	0.64	0.26-1.58	36.48	0.64	0.64-2.86	46.73	<0.001
40-50	1.02	0.64-2.16	716.15	0.64	0.48-1.92	26.39	1.28	0.64-2.56	716.15	<0.001
50-60	1.28	0.64-2.54	54.27	0.94	0.64-1.92	41.31	1.28	0.64-2.56	54.27	<0.001
60-70	1.28	0.64-2.68	51.02	1.28	0.64-2.56	44.78	1.28	0.64-3.20	51.02	<0.001
70-80	1.28	0.64-3.10	2112.79	1.28	0.64-2.56	27.22	1.32	0.64-3.20	2112.79	<0.001
>80	1.28	0.64-2.66	33.34	1.28	0.64-2.56	19.97	1.28	0.64-3.08	33.34	<0.001
Total	0.70	0.30-2.00	2112.79	0.64	0.20-1.90	44.78	1.02	0.40-2.56	2112.79	<0.001

Table S4. Cumulative effective dose (mSv) per person exposed during the period of study (CT).

Age at entry to study (years)	Total			Men			Women			p-value
	Median	Percentil 25-75	Maximum	Median	Percentil 25-75	Maximum	Median	Percentil 25-75	Maximum	
0-5	3.80	1.90-7.70	50.20	3.80	1.90-9.70	50.20	2.00	1.90-7.30	32.10	0.834
5-10	3.90	1.90-9.70	93.00	4.00	1.90-9.70	93.00	3.80	1.90-9.70	74.40	0.414
10-15	5.90	1.90-13.20	195.40	6.60	1.90-13.20	195.40	4.50	1.90-14.60	156.80	0.239
15-20	5.80	1.90-19.35	316.40	6.60	1.90-17.00	316.40	5.00	1.90-22.60	165.00	0.146
20-30	7.70	1.90-22.60	414.40	8.80	1.90-22.60	345.60	7.60	1.90-22.60	414.40	0.004
30-40	9.70	1.90-22.60	558.30	9.70	3.80-22.60	558.30	9.70	1.90-22.60	458.60	0.439
40-50	17.90	5.00-35.30	710.80	18.60	6.60-38.90	710.80	15.00	5.00-33.90	703.30	0.003
50-60	22.60	6.60-45.90	1083.10	22.60	7.30-54.55	1083.10	19.80	6.60-41.20	732.40	<0.001
60-70	22.60	5.70-54.40	891.40	24.50	7.70-67.10	754.20	22.40	5.70-45.20	891.40	<0.001
70-80	22.60	3.80-45.20	1419.30	22.60	7.30-53.70	957.50	17.35	3.80-39.60	1419.30	<0.001
>80	13.20	3.80-28.30	393.00	19.10	3.80-33.45	316.60	10.40	3.80-26.40	393.00	<0.001
Total	16.30	3.80-35.90	1419.30	19.80	5.70-43.50	1083.10	13.20	3.80-31.80	1419.30	<0.001

