

Supplemental Table 1: ¹⁸F-FDG organ-level absorbed dose coefficients (mGy/MBq) for adult female reference phantoms.

Organ/tissue	Absorbed dose coefficient (mGy/MBq)			
	MRCP adult female (PARaDIM)	Adult female (IDAC-dose 2.1)	Adult female (OLINDA 1.1)	ICRP 89 adult female (OLINDA 2.1)
Red (active) marrow	0.01213 ± 0.000014	0.0143	0.0119	0.0123
Colon wall	0.013737 ± 0.000033	0.0134	--	--
Stem cells of colon	0.01302 ± 0.00023	--	--	--
Right lung + left lung	0.021312 ± 0.000032	0.0237	0.0245	0.0221
Stomach wall	0.012764 ± 0.000052	0.0117	0.0136	0.0138
Stem cells of stomach	0.01183 ± 0.00031	--	--	--
Breast adipose + breast glandular	0.011768 ± 0.000031	0.0114	0.0105	0.0101
Right ovary + left ovary	0.02062 ± 0.00023	0.0215	0.0169	0.0182
Testes	--	--	--	--
Urinary bladder wall	0.05426 ± 0.0002	0.0569	0.182	0.156
Urinary bladder basal cells	0.09012 ± 0.00088	--	--	--
Esophagus wall	0.01497 ± 0.00011	0.016	--	0.0154
Esophagus basal cells	0.01281 ± 0.00065	--	--	--
Liver	0.020802 ± 0.000027	0.0218	0.0268	0.0271
Thyroid	0.01126 ± 0.00015	0.0111	0.0108	0.0115
50um endosteal region (endosteal cells)	0.009982 ± 0.000012	0.0127	0.0189	0.0119
Brain	0.035548 ± 0.000043	0.0377	0.0424	0.0396
Salivary glands	0.011032 ± 0.000078	0.0116	--	0.0129
Skin	0.008345 ± 0.000011	0.00834	0.00911	--
Basal cells of skin	0.006693 ± 0.000027	--	--	--
Right adrenal + left adrenal	0.01437 ± 0.00018	0.0151	0.0146	0.0151
ET region	0.01163 ± 0.00014	0.00993	--	--
Gallbladder wall	0.01432 ± 0.00022	0.0165	0.0149	0.0143
Heart wall	0.06853 ± 0.00011	0.0687	0.0874	0.0821
Right kidney + left kidney	0.012808 ± 0.000038	0.0124	0.0129	0.013
Systemic lymph nodes	0.014099 ± 0.00006	0.0146	--	--

Muscle	0.010937 ± 0.0000057	0.0114	0.0121	--
Oral mucosa	0.01019 ± 0.00059	0.0112	--	--
Pancreas	0.013396 ± 0.000062	0.013	0.0151	0.0151
Prostate	--	--	--	--
Small intestine wall	0.014844 ± 0.000028	0.0145	0.0138	0.0138
Stem cells of small intestine	0.01358 ± 0.0002	--	--	--
Spleen	0.012479 ± 0.000054	0.0115	0.0128	0.0126
Thymus	0.0137 ± 0.00016	0.0146	0.0138	0.0158
Uterus/cervix	0.02771 ± 0.00011	0.03	0.0213	0.0259
Tongue	0.011183 ± 0.000086	0.00823	--	--
Tonsils	0.01218 ± 0.00037	0.0122	--	--
Right colon wall (ascending + right transverse)	0.012307 ± 0.00005	0.0115	0.0144	0.0143
Left colon wall (left transverse + descending)	0.012376 ± 0.00005	0.0119	0.0169	0.0155
Rectosigmoid colon wall (sigmoid + rectum)	0.019514 ± 0.000085	0.0202	--	--
Stem cells of right colon (ascending + right transverse)	0.01104 ± 0.00032	--	--	--
Stem cells of left colon (left transverse + descending)	0.01157 ± 0.00041	--	--	--
Stem cells of rectosigmoid colon (sigmoid + rectum)	0.01861 ± 0.00057	--	--	0.0256
Basal cells of anterior nasal passages	0.01 ± 0.0019	0.00727	--	--
Basal cells of posterior nasal passages + pharynx	0.01303 ± 0.00088	0.00993	--	--
Extrathoracic lymph nodes	0.01264 ± 0.00018	0.00766	--	--
Bronchial basal cells	0.0214 ± 0.0015	0.0206	--	--
Bronchial secretory cells	0.0213 ± 0.0015	0.0206	--	--
Bronchiolar secretory cells	--	0.0252	--	--
Alveolar-interstitium	0.021312 ± 0.000032	0.0252	--	--
Thoracic lymph nodes	0.01375 ± 0.00019	0.0127	--	--
Right lung lobe	0.021223 ± 0.000042	--	--	--
Left lung lobe	0.02142 ± 0.000047	--	--	--
Right adrenal gland	0.01433 ± 0.00024	--	--	--

Left adrenal gland	0.01441 ± 0.00027	--	--	--
Right breast adipose	0.010936 ± 0.000054	--	--	--
Right breast glandular	0.011192 ± 0.000069	--	--	--
Left breast adipose	0.011576 ± 0.000056	--	--	--
Left breast glandular	0.012056 ± 0.000071	--	--	--
Right breast (adipose + glandular)	0.011039 ± 0.000042	--	--	--
Left breast (adipose + glandular)	0.011768 ± 0.000044	--	--	--
Breast (adipose)	0.011576 ± 0.000039	--	--	--
Breast (glandular)	0.012056 ± 0.00005	--	--	--
Entire lenses of eye	0.01094 ± 0.00088	0.00926	--	0.0129
Sensitive lenses of eye	0.0131 ± 0.0021	--	--	--
Right kidney cortex	0.013276 ± 0.000065	--	--	--
Right kidney medulla	0.01315 ± 0.00012	--	--	--
Right kidney pelvis	0.01371 ± 0.00027	--	--	--
Right kidney (cortex + medulla + pelvis)	0.013268 ± 0.000056	--	--	--
Left kidney cortex	0.01241 ± 0.000058	--	--	--
Left kidney medulla	0.01248 ± 0.00011	--	--	--
Left kidney pelvis	0.01235 ± 0.00024	--	--	--
Left kidney (cortex + medulla + pelvis)	0.012421 ± 0.000051	--	--	--
Right ovary	0.02006 ± 0.00032	--	--	--
Left ovary	0.02062 ± 0.00033	--	--	--
Pituitary gland	0.0215 ± 0.0011	0.0217	--	--
Spinal cord	0.01271 ± 0.00015	--	--	--
Ureters	0.0153 ± 0.00018	0.0166	--	--
Adipose/residual tissue	0.0104791 ± 0.0000047	0.0107	--	--
Total body	0.0122857 ± 0.0000033	--	0.0139	0.0141
e_{DW} or e (mSv/MBq)	0.0183177 ± 0.0000033	0.0161	0.0241	0.0206

Supplemental Table 2: ¹⁸F-FDG organ-level absorbed dose coefficients (mGy/MBq) for adult male reference phantoms.

Organ/tissue	Absorbed dose coefficient (mGy/MBq)			
	MRCP adult male (PARaDIM)	Adult male (IDAC-dose 2.1)	Adult male (OLINDA 1.1)	ICRP 89 adult male (OLINDA 2.1)
Red (active) marrow	0.010647 ± 0.000012	0.0127	0.00959	0.0104
Colon wall	0.01174 ± 0.000029	0.0107	--	--
Stem cells of colon	0.01085 ± 0.00021	--	--	--
Right lung + left lung	0.01759 ± 0.000026	0.0188	0.0193	0.0176
Stomach wall	0.011973 ± 0.000046	0.0107	0.0107	0.0124
Stem cells of stomach	0.01016 ± 0.00026	--	--	--
Breast adipose + breast glandular	0.00865 ± 0.00011	0.00874	0.00827	--
Right ovary + left ovary	--	--	0.0135	--
Testes	0.009375 ± 0.000098	0.00943	0.0105	0.0102
Urinary bladder wall	0.05002 ± 0.00017	0.0536	0.132	0.136
Urinary bladder basal cells	0.08941 ± 0.00091	--	--	--
Esophagus wall	0.013262 ± 0.000092	0.0138	--	0.0127
Esophagus basal cells	0.01274 ± 0.00063	--	--	--
Liver	0.017163 ± 0.000021	0.0179	0.0205	0.0219
Thyroid	0.00958 ± 0.00013	0.00935	0.0096	0.0101
50um endosteal region (endosteal cells)	0.0085496 ± 0.0000095	0.0111	0.0145	0.0105
Brain	0.032021 ± 0.000038	0.034	0.0368	0.0356
Salivary glands	0.00868 ± 0.000063	0.00916	--	0.0114
Skin	0.0070636 ± 0.0000083	0.007	0.00736	--
Basal cells of skin	0.005614 ± 0.000023	--	--	--
Right adrenal + left adrenal	0.01102 ± 0.00015	0.0119	0.0116	0.0123
ET region	0.009422 ± 0.00009	0.00858	--	--
Gallbladder wall	0.01196 ± 0.00018	0.0141	0.0125	0.014
Heart wall	0.053279 ± 0.000085	0.0532	0.0674	0.0634
Right kidney + left kidney	0.011098 ± 0.000032	0.0104	0.0103	0.0107
Systemic lymph nodes	0.012935 ± 0.000052	0.0133	--	--

Muscle	0.0090788 ± 0.0000037	0.00939	0.00974	--
Oral mucosa	0.00888 ± 0.00047	0.00973	--	--
Pancreas	0.012247 ± 0.000054	0.0118	0.0121	0.0126
Prostate	0.02352 ± 0.00021	0.0261	--	0.0182
Small intestine wall	0.012067 ± 0.000022	0.0114	0.0117	0.0122
Stem cells of small intestine	0.01109 ± 0.00016	--	--	--
Spleen	0.011052 ± 0.000045	0.00979	0.01	0.0101
Thymus	0.01171 ± 0.00013	0.0116	0.011	0.0133
Uterus/cervix	--	--	0.0179	--
Tongue	0.00931 ± 0.00007	0.00751	--	--
Tonsils	0.01217 ± 0.00037	0.0127	--	--
Right colon wall (ascending + right transverse)	0.010522 ± 0.000043	0.00955	0.0114	0.0117
Left colon wall (left transverse + descending)	0.009657 ± 0.000042	0.00854	0.0134	0.0113
Rectosigmoid colon wall (sigmoid + rectum)	0.017655 ± 0.000078	0.0175	--	--
Stem cells of right colon (ascending + right transverse)	0.00988 ± 0.00032	--	--	--
Stem cells of left colon (left transverse + descending)	0.00911 ± 0.00034	--	--	--
Stem cells of rectosigmoid colon (sigmoid + rectum)	0.01457 ± 0.00048	--	--	0.0157
Basal cells of anterior nasal passages	0.0087 ± 0.0011	0.00524	--	--
Basal cells of posterior nasal passages + pharynx	0.01061 ± 0.00065	0.00858	--	--
Extrathoracic lymph nodes	0.01058 ± 0.00015	0.00585	--	--
Bronchial basal cells	0.01575 ± 0.00084	0.015	--	--
Bronchial secretory cells	0.01569 ± 0.00084	0.015	--	--
Bronchiolar secretory cells	--	0.0207	--	--
Alveolar-interstitium	0.01759 ± 0.000026	0.0206	--	--
Thoracic lymph nodes	0.01222 ± 0.00016	0.0108	--	--
Right lung lobe	0.017566 ± 0.000035	--	--	--
Left lung lobe	0.017619 ± 0.000039	--	--	--
Right adrenal gland	0.01204 ± 0.00022	--	--	--

Left adrenal gland	0.01102 ± 0.00021	--	--	--
Right breast adipose	0.00909 ± 0.00021	--	--	--
Right breast glandular	0.00788 ± 0.00023	--	--	--
Left breast adipose	0.00903 ± 0.00021	--	--	--
Left breast glandular	0.00808 ± 0.00024	--	--	--
Right breast (adipose + glandular)	0.0086 ± 0.00016	--	--	--
Left breast (adipose + glandular)	0.00865 ± 0.00016	--	--	--
Breast (adipose)	0.00903 ± 0.00015	--	--	--
Breast (glandular)	0.00808 ± 0.00017	--	--	--
Entire lenses of eye	0.00927 ± 0.00082	0.00811	--	0.0103
Sensitive lenses of eye	0.0064 ± 0.0015	--	--	--
Right kidney cortex	0.011438 ± 0.000053	--	--	--
Right kidney medulla	0.01168 ± 0.0001	--	--	--
Right kidney pelvis	0.01224 ± 0.00023	--	--	--
Right kidney (cortex + medulla + pelvis)	0.011512 ± 0.000046	--	--	--
Left kidney cortex	0.010648 ± 0.000051	--	--	--
Left kidney medulla	0.01073 ± 0.0001	--	--	--
Left kidney pelvis	0.01088 ± 0.00022	--	--	--
Left kidney (cortex + medulla + pelvis)	0.010672 ± 0.000045	--	--	--
Right ovary	--	--	--	--
Left ovary	--	--	--	--
Pituitary gland	0.01833 ± 0.00098	0.0197	--	--
Spinal cord	0.010817 ± 0.0001	--	--	--
Ureters	0.01463 ± 0.00017	0.0146	--	--
Adipose/residual tissue	0.0093647 ± 0.0000047	0.0096	--	--
Total body	0.0104552 ± 0.0000027	--	0.0112	0.0109
e_{DW} or e (mSv/MBq)	0.0151539 ± 0.0000033	0.0161	0.0185	0.016

Supplemental Table 3: ¹⁸F-FDG organ-level absorbed dose coefficients (mGy/MBq) for the 10th percentile standing height adult female PSPs.

Organ/tissue	Absorbed dose coefficient (mGy/MBq)		
	H10 / W10 female (155 cm / 44.2 kg)	H10 / W50 female (155 cm / 58.2 kg)	H10 / W90 female (155 cm / 82.6 kg)
Red (active) marrow	0.015334 ± 0.000018	0.012833 ± 0.000015	0.010297 ± 0.000012
Colon wall	0.017473 ± 0.000042	0.014658 ± 0.000035	0.011937 ± 0.000028
Stem cells of colon	0.01653 ± 0.00029	0.01435 ± 0.00025	0.01167 ± 0.00022
Right lung + left lung	0.026091 ± 0.00004	0.022572 ± 0.000033	0.019841 ± 0.000029
Stomach wall	0.016024 ± 0.000065	0.013563 ± 0.000055	0.011242 ± 0.000045
Stem cells of stomach	0.01398 ± 0.00037	0.0119 ± 0.00031	0.01012 ± 0.00026
Breast adipose + breast glandular	0.014271 ± 0.000041	0.011565 ± 0.000031	0.009342 ± 0.000022
Right ovary + left ovary	0.02499 ± 0.00029	0.02031 ± 0.00024	0.01608 ± 0.00019
Testes	--	--	--
Urinary bladder wall	0.06589 ± 0.00024	0.05637 ± 0.0002	0.04839 ± 0.00018
Urinary bladder basal cells	0.11854 ± 0.001	0.10008 ± 0.00085	0.08589 ± 0.00074
Esophagus wall	0.01894 ± 0.00014	0.01574 ± 0.00011	0.013079 ± 0.000094
Esophagus basal cells	0.01782 ± 0.00086	0.0154 ± 0.00075	0.01266 ± 0.00064
Liver	0.025256 ± 0.000033	0.022164 ± 0.000029	0.019771 ± 0.000024
Thyroid	0.01408 ± 0.00019	0.01189 ± 0.00016	0.00926 ± 0.00013
50um endosteal region (endosteal cells)	0.012432 ± 0.000015	0.010259 ± 0.000013	0.008124 ± 0.00001
Brain	0.037615 ± 0.000045	0.036608 ± 0.000044	0.035228 ± 0.000042
Salivary glands	0.013904 ± 0.000096	0.011245 ± 0.00008	0.008813 ± 0.000067
Skin	0.011073 ± 0.000014	0.008728 ± 0.000011	0.006281 ± 0.0000084
Basal cells of skin	0.008799 ± 0.000034	0.006952 ± 0.000029	0.005219 ± 0.000022
Right adrenal + left adrenal	0.01784 ± 0.00023	0.01475 ± 0.00019	0.01197 ± 0.00015
ET region	0.01445 ± 0.00017	0.01181 ± 0.00015	0.00927 ± 0.00012
Gallbladder wall	0.01846 ± 0.00029	0.01575 ± 0.00024	0.01268 ± 0.0002
Heart wall	0.0849 ± 0.00014	0.07222 ± 0.00012	0.06295 ± 0.0001
Right kidney + left kidney	0.016184 ± 0.000047	0.013585 ± 0.000039	0.010749 ± 0.000031
Systemic lymph nodes	0.01784 ± 0.000074	0.014961 ± 0.000061	0.012048 ± 0.000049

Muscle	0.013979 ± 0.0000056	0.011284 ± 0.0000056	0.0086685 ± 0.0000043
Oral mucosa	0.01264 ± 0.0007	0.00997 ± 0.00058	0.00769 ± 0.00051
Pancreas	0.016924 ± 0.000078	0.014136 ± 0.000065	0.011366 ± 0.000051
Prostate	--	--	--
Small intestine wall	0.018565 ± 0.000035	0.015591 ± 0.000029	0.012732 ± 0.000024
Stem cells of small intestine	0.01702 ± 0.00024	0.01417 ± 0.00021	0.01193 ± 0.00018
Spleen	0.015641 ± 0.000069	0.013071 ± 0.000056	0.010608 ± 0.000046
Thymus	0.01691 ± 0.0002	0.01481 ± 0.00017	0.01172 ± 0.00013
Uterus/cervix	0.03418 ± 0.00014	0.0289 ± 0.00012	0.023798 ± 0.000095
Tongue	0.01415 ± 0.00011	0.011383 ± 0.000089	0.008811 ± 0.000072
Tonsils	0.01554 ± 0.00046	0.01158 ± 0.00037	0.00973 ± 0.00032
Right colon wall (ascending + right transverse)	0.015622 ± 0.000063	0.013245 ± 0.000052	0.010818 ± 0.000043
Left colon wall (left transverse + descending)	0.015855 ± 0.000065	0.013315 ± 0.000054	0.010855 ± 0.000043
Rectosigmoid colon wall (sigmoid + rectum)	0.02449 ± 0.00013	0.02018 ± 0.00011	0.016496 ± 0.000089
Stem cells of right colon (ascending + right transverse)	0.01434 ± 0.0004	0.01237 ± 0.00034	0.00984 ± 0.00029
Stem cells of left colon (left transverse + descending)	0.01458 ± 0.0005	0.0124 ± 0.00042	0.01078 ± 0.00037
Stem cells of rectosigmoid colon (sigmoid + rectum)	0.02316 ± 0.0007	0.0206 ± 0.00064	0.0163 ± 0.00053
Basal cells of anterior nasal passages	0.0131 ± 0.0028	0.0112 ± 0.002	0.0066 ± 0.0016
Basal cells of posterior nasal passages + pharynx	0.025 ± 0.0026	0.0187 ± 0.0021	0.0152 ± 0.0017
Extrathoracic lymph nodes	0.01589 ± 0.00022	0.01344 ± 0.00019	0.01058 ± 0.00016
Bronchial basal cells	0.0247 ± 0.0017	0.0187 ± 0.0014	0.0166 ± 0.0013
Bronchial secretory cells	0.024 ± 0.0018	0.0202 ± 0.0015	0.0166 ± 0.0014
Bronchiolar secretory cells	--	--	--
Alveolar-interstitium	0.026091 ± 0.00004	0.022572 ± 0.000033	0.019841 ± 0.000029
Thoracic lymph nodes	0.01722 ± 0.00024	0.01488 ± 0.0002	0.01148 ± 0.00016
Right lung lobe	0.025962 ± 0.000055	0.022524 ± 0.000045	0.019797 ± 0.00004
Left lung lobe	0.026249 ± 0.000058	0.022631 ± 0.00005	0.019895 ± 0.000044
Right adrenal gland	0.01785 ± 0.00031	0.01482 ± 0.00025	0.01192 ± 0.0002

Left adrenal gland	0.01783 ± 0.00034	0.01465 ± 0.00028	0.01203 ± 0.00023
Right breast adipose	0.014238 ± 0.000077	0.011474 ± 0.000055	0.009286 ± 0.000036
Right breast glandular	0.014311 ± 0.000087	0.011711 ± 0.000073	0.009482 ± 0.000058
Left breast adipose	0.014691 ± 0.000078	0.011993 ± 0.000056	0.009793 ± 0.000037
Left breast glandular	0.015602 ± 0.00009	0.01262 ± 0.000074	0.010257 ± 0.000061
Right breast (adipose + glandular)	0.014271 ± 0.000058	0.011565 ± 0.000044	0.009342 ± 0.000031
Left breast (adipose + glandular)	0.015107 ± 0.000059	0.012233 ± 0.000045	0.009925 ± 0.000032
Breast (adipose)	0.014238 ± 0.000054	0.011474 ± 0.000039	0.009286 ± 0.000026
Breast (glandular)	0.014311 ± 0.000062	0.011711 ± 0.000051	0.009482 ± 0.000041
Entire lenses of eye	0.0127 ± 0.001	0.0121 ± 0.001	0.00635 ± 0.00064
Sensitive lenses of eye	0.0101 ± 0.002	0.0113 ± 0.002	0.0072 ± 0.0015
Right kidney cortex	0.016678 ± 0.000082	0.013987 ± 0.000069	0.011172 ± 0.000055
Right kidney medulla	0.01676 ± 0.00016	0.01413 ± 0.00013	0.01126 ± 0.00011
Right kidney pelvis	0.0168 ± 0.00035	0.0142 ± 0.00028	0.01125 ± 0.00023
Right kidney (cortex + medulla + pelvis)	0.016698 ± 0.000071	0.014022 ± 0.000059	0.011192 ± 0.000048
Left kidney cortex	0.015602 ± 0.000073	0.013165 ± 0.000062	0.010312 ± 0.000049
Left kidney medulla	0.01551 ± 0.00014	0.01296 ± 0.00012	0.010182 ± 0.000092
Left kidney pelvis	0.01623 ± 0.00031	0.01289 ± 0.00025	0.01029 ± 0.0002
Left kidney (cortex + medulla + pelvis)	0.015608 ± 0.000064	0.013114 ± 0.000053	0.010286 ± 0.000043
Right ovary	0.02499 ± 0.00041	0.02031 ± 0.00033	0.01608 ± 0.00027
Left ovary	0.0255 ± 0.00041	0.02167 ± 0.00034	0.01676 ± 0.00027
Pituitary gland	0.0228 ± 0.0012	0.0225 ± 0.0011	0.01731 ± 0.00089
Spinal cord	0.01572 ± 0.00019	0.01299 ± 0.00016	0.01042 ± 0.00013
Ureters	0.01981 ± 0.00023	0.01624 ± 0.00018	0.01304 ± 0.00015
Adipose/residual tissue	0.013802 ± 0.000055	0.010997 ± 0.000044	0.0083336 ± 0.000025
Total body	0.0158901 ± 0.0000039	0.0127871 ± 0.0000033	0.0097375 ± 0.0000022
e_{DW} or e (mSv/MBq)	0.0251598 ± 0.0000049	0.0212562 ± 0.0000035	0.0177345 ± 0.0000026

Supplemental Table 4: ¹⁸F-FDG organ-level absorbed dose coefficients (mGy/MBq) for the 50th percentile standing height adult female PSPs.

Organ/tissue	Absorbed dose coefficient (mGy/MBq)		
	H50 / W10 female (163 cm / 49.9 kg)	H50 / W50 female (163 cm / 64.1 kg)	H50 / W90 female (163 cm / 88.4 kg)
Red (active) marrow	0.013634 ± 0.000016	0.011682 ± 0.000014	0.009585 ± 0.000011
Colon wall	0.015696 ± 0.000038	0.013327 ± 0.000032	0.011004 ± 0.000026
Stem cells of colon	0.0147 ± 0.00026	0.01309 ± 0.00024	0.01083 ± 0.0002
Right lung + left lung	0.023533 ± 0.000036	0.020768 ± 0.000031	0.018083 ± 0.000027
Stomach wall	0.014479 ± 0.000059	0.012473 ± 0.000049	0.010142 ± 0.000041
Stem cells of stomach	0.0128 ± 0.00034	0.01154 ± 0.0003	0.00932 ± 0.00025
Breast adipose + breast glandular	0.012993 ± 0.000037	0.010703 ± 0.000028	0.008636 ± 0.000021
Right ovary + left ovary	0.02287 ± 0.00026	0.01856 ± 0.00021	0.01561 ± 0.00018
Testes	--	--	--
Urinary bladder wall	0.05968 ± 0.00022	0.05163 ± 0.00019	0.04511 ± 0.00016
Urinary bladder basal cells	0.10669 ± 0.00091	0.09122 ± 0.00078	0.07834 ± 0.00067
Esophagus wall	0.0169 ± 0.00012	0.01448 ± 0.0001	0.011888 ± 0.000085
Esophagus basal cells	0.01591 ± 0.00077	0.01396 ± 0.0007	0.01156 ± 0.0006
Liver	0.022741 ± 0.00003	0.020317 ± 0.000024	0.017978 ± 0.000022
Thyroid	0.01313 ± 0.00017	0.01062 ± 0.00014	0.00867 ± 0.00012
50um endosteal region (endosteal cells)	0.011315 ± 0.000014	0.009466 ± 0.000012	0.0076684 ± 0.0000097
Brain	0.036225 ± 0.000043	0.035266 ± 0.000042	0.033984 ± 0.000041
Salivary glands	0.012855 ± 0.000089	0.010565 ± 0.000076	0.00835 ± 0.000063
Skin	0.009779 ± 0.000012	0.0079561 ± 0.0000099	0.0058909 ± 0.0000079
Basal cells of skin	0.007869 ± 0.000031	0.006379 ± 0.000026	0.00489 ± 0.000021
Right adrenal + left adrenal	0.01604 ± 0.0002	0.01361 ± 0.00017	0.01138 ± 0.00014
ET region	0.01306 ± 0.00016	0.01098 ± 0.00014	0.00881 ± 0.00012
Gallbladder wall	0.01583 ± 0.00025	0.01346 ± 0.00021	0.01173 ± 0.00018
Heart wall	0.07625 ± 0.00012	0.06587 ± 0.00011	0.05745 ± 0.000092
Right kidney + left kidney	0.014645 ± 0.000043	0.012384 ± 0.000035	0.010012 ± 0.000029
Systemic lymph nodes	0.016022 ± 0.000066	0.013618 ± 0.000055	0.011164 ± 0.000045

Muscle	0.012582 ± 0.000005	0.010326 ± 0.0000052	0.0081449 ± 0.0000041
Oral mucosa	0.01257 ± 0.00071	0.01084 ± 0.0006	0.00784 ± 0.0005
Pancreas	0.015052 ± 0.000069	0.01295 ± 0.000058	0.010458 ± 0.000048
Prostate	--	--	--
Small intestine wall	0.01667 ± 0.000031	0.014188 ± 0.000026	0.011796 ± 0.000022
Stem cells of small intestine	0.01571 ± 0.00022	0.01322 ± 0.00019	0.01096 ± 0.00016
Spleen	0.014005 ± 0.00006	0.012071 ± 0.000051	0.009742 ± 0.000042
Thymus	0.01524 ± 0.00018	0.01319 ± 0.00015	0.01058 ± 0.00012
Uterus/cervix	0.03147 ± 0.00012	0.02679 ± 0.0001	0.022556 ± 0.000088
Tongue	0.012787 ± 0.000097	0.010506 ± 0.000083	0.008342 ± 0.000069
Tonsils	0.01354 ± 0.00041	0.01092 ± 0.00035	0.00932 ± 0.00031
Right colon wall (ascending + right transverse)	0.013923 ± 0.000056	0.011985 ± 0.000047	0.010004 ± 0.000039
Left colon wall (left transverse + descending)	0.014236 ± 0.000058	0.012005 ± 0.000049	0.009857 ± 0.00004
Rectosigmoid colon wall (sigmoid + rectum)	0.02215 ± 0.00012	0.0187 ± 0.000099	0.015476 ± 0.000082
Stem cells of right colon (ascending + right transverse)	0.01273 ± 0.00036	0.01109 ± 0.00031	0.00925 ± 0.00027
Stem cells of left colon (left transverse + descending)	0.0125 ± 0.00043	0.01185 ± 0.00041	0.00962 ± 0.00035
Stem cells of rectosigmoid colon (sigmoid + rectum)	0.02119 ± 0.00064	0.01847 ± 0.00059	0.01538 ± 0.00048
Basal cells of anterior nasal passages	0.0149 ± 0.0023	0.0076 ± 0.0014	0.0067 ± 0.0013
Basal cells of posterior nasal passages + pharynx	0.0244 ± 0.0025	0.0173 ± 0.002	0.0145 ± 0.0015
Extrathoracic lymph nodes	0.01432 ± 0.0002	0.01198 ± 0.00018	0.00997 ± 0.00015
Bronchial basal cells	0.0227 ± 0.0016	0.0182 ± 0.0014	0.0151 ± 0.0011
Bronchial secretory cells	0.0242 ± 0.0017	0.017 ± 0.0013	0.0158 ± 0.0012
Bronchiolar secretory cells	--	--	--
Alveolar-interstitium	0.023533 ± 0.000036	0.020768 ± 0.000031	0.018083 ± 0.000027
Thoracic lymph nodes	0.01539 ± 0.00021	0.01346 ± 0.00018	0.01061 ± 0.00015
Right lung lobe	0.023444 ± 0.000049	0.020682 ± 0.000041	0.01803 ± 0.000036
Left lung lobe	0.023641 ± 0.000052	0.020872 ± 0.000046	0.018147 ± 0.00004
Right adrenal gland	0.01601 ± 0.00027	0.01358 ± 0.00023	0.01158 ± 0.00019

Left adrenal gland	0.01608 ± 0.00031	0.01365 ± 0.00026	0.01113 ± 0.00021
Right breast adipose	0.012862 ± 0.000068	0.010552 ± 0.00005	0.008584 ± 0.000034
Right breast glandular	0.013153 ± 0.000079	0.010946 ± 0.000067	0.008761 ± 0.000054
Left breast adipose	0.013579 ± 0.000071	0.011169 ± 0.000051	0.008955 ± 0.000035
Left breast glandular	0.014177 ± 0.000081	0.011682 ± 0.000068	0.009502 ± 0.000055
Right breast (adipose + glandular)	0.012993 ± 0.000052	0.010703 ± 0.00004	0.008636 ± 0.000029
Left breast (adipose + glandular)	0.013847 ± 0.000053	0.011366 ± 0.000041	0.009116 ± 0.00003
Breast (adipose)	0.012862 ± 0.000048	0.010552 ± 0.000035	0.008584 ± 0.000024
Breast (glandular)	0.013153 ± 0.000056	0.010946 ± 0.000047	0.008761 ± 0.000038
Entire lenses of eye	0.01242 ± 0.00099	0.01038 ± 0.00089	0.00762 ± 0.00067
Sensitive lenses of eye	0.0116 ± 0.0019	0.0111 ± 0.0021	0.0075 ± 0.0014
Right kidney cortex	0.015006 ± 0.000075	0.012723 ± 0.000062	0.010385 ± 0.000051
Right kidney medulla	0.01485 ± 0.00014	0.01255 ± 0.00012	0.010395 ± 0.000096
Right kidney pelvis	0.01523 ± 0.0003	0.0134 ± 0.00026	0.01077 ± 0.00021
Right kidney (cortex + medulla + pelvis)	0.014985 ± 0.000065	0.012716 ± 0.000054	0.010402 ± 0.000044
Left kidney cortex	0.014221 ± 0.000067	0.011996 ± 0.000055	0.00958 ± 0.000045
Left kidney medulla	0.01431 ± 0.00013	0.01205 ± 0.00011	0.009548 ± 0.000086
Left kidney pelvis	0.01484 ± 0.00028	0.01215 ± 0.00023	0.00964 ± 0.00019
Left kidney (cortex + medulla + pelvis)	0.014262 ± 0.000058	0.012012 ± 0.000048	0.009576 ± 0.000039
Right ovary	0.02287 ± 0.00037	0.01856 ± 0.0003	0.01561 ± 0.00025
Left ovary	0.02401 ± 0.00038	0.01985 ± 0.00031	0.01611 ± 0.00025
Pituitary gland	0.0206 ± 0.0011	0.01846 ± 0.00096	0.01562 ± 0.00085
Spinal cord	0.01433 ± 0.00017	0.01215 ± 0.00014	0.00956 ± 0.00012
Ureters	0.01715 ± 0.0002	0.01472 ± 0.00017	0.01276 ± 0.00014
Adipose/residual tissue	0.012349 ± 0.000049	0.010023 ± 0.000004	0.0077491 ± 0.0000023
Total body	0.0142377 ± 0.0000035	0.0116895 ± 0.000003	0.0090949 ± 0.0000021
e_{DW} or e (mSv/MBq)	0.0227877 ± 0.000004	0.0195576 ± 0.000003	0.0164682 ± 0.0000022

Supplemental Table 5: ¹⁸F-FDG organ-level absorbed dose coefficients (mGy/MBq) for the 90th percentile standing height adult female PSPs.

Organ/tissue	Absorbed dose coefficient (mGy/MBq)		
	H90 / W10 female (172 cm / 55.7 kg)	H90 / W50 female (172 cm / 69.8 kg)	H90 / W90 female (172 cm / 94.1 kg)
Red (active) marrow	0.012448 ± 0.000015	0.010804 ± 0.000013	0.009027 ± 0.000011
Colon wall	0.014262 ± 0.000034	0.01223 ± 0.000029	0.010389 ± 0.000024
Stem cells of colon	0.01414 ± 0.00025	0.0113 ± 0.00021	0.0104 ± 0.00019
Right lung + left lung	0.021473 ± 0.000032	0.019091 ± 0.000028	0.016812 ± 0.000025
Stomach wall	0.013184 ± 0.000054	0.011382 ± 0.000045	0.009647 ± 0.000038
Stem cells of stomach	0.01151 ± 0.0003	0.01026 ± 0.00027	0.00833 ± 0.00022
Breast adipose + breast glandular	0.011798 ± 0.000033	0.009898 ± 0.000026	0.008348 ± 0.00002
Right ovary + left ovary	0.0209 ± 0.00023	0.0176 ± 0.0002	0.01455 ± 0.00016
Testes	--	--	--
Urinary bladder wall	0.05467 ± 0.0002	0.04784 ± 0.00017	0.04204 ± 0.00015
Urinary bladder basal cells	0.09665 ± 0.00082	0.08404 ± 0.00072	0.07277 ± 0.00063
Esophagus wall	0.01547 ± 0.00011	0.013363 ± 0.000095	0.011136 ± 0.000079
Esophagus basal cells	0.01319 ± 0.00064	0.01204 ± 0.00059	0.01085 ± 0.00054
Liver	0.020727 ± 0.000027	0.018583 ± 0.000024	0.016756 ± 0.00002
Thyroid	0.01179 ± 0.00015	0.00991 ± 0.00013	0.00819 ± 0.00011
50um endosteal region (endosteal cells)	0.010297 ± 0.000013	0.008808 ± 0.000011	0.0072138 ± 0.0000091
Brain	0.034933 ± 0.000042	0.034069 ± 0.000041	0.032807 ± 0.000039
Salivary glands	0.011605 ± 0.000082	0.009676 ± 0.00007	0.007841 ± 0.00006
Skin	0.008833 ± 0.000011	0.0072457 ± 0.0000097	0.0055504 ± 0.0000074
Basal cells of skin	0.007097 ± 0.000028	0.005917 ± 0.000025	0.00457 ± 0.00002
Right adrenal + left adrenal	0.01465 ± 0.00018	0.01278 ± 0.00016	0.0104 ± 0.00013
ET region	0.01197 ± 0.00015	0.0103 ± 0.00013	0.00833 ± 0.00011
Gallbladder wall	0.01435 ± 0.00023	0.01251 ± 0.00019	0.01103 ± 0.00017
Heart wall	0.06903 ± 0.00011	0.060533 ± 0.000097	0.053162 ± 0.000085
Right kidney + left kidney	0.013239 ± 0.000038	0.011373 ± 0.000033	0.009306 ± 0.000027
Systemic lymph nodes	0.01462 ± 0.000059	0.012566 ± 0.000051	0.010473 ± 0.000042

Muscle	0.011407 ± 0.0000046	0.0095569 ± 0.0000048	0.0076501 ± 0.0000038
Oral mucosa	0.01047 ± 0.0006	0.00935 ± 0.00055	0.00741 ± 0.00045
Pancreas	0.013655 ± 0.000063	0.011765 ± 0.000054	0.009938 ± 0.000045
Prostate	--	--	--
Small intestine wall	0.015152 ± 0.000028	0.013047 ± 0.000024	0.011025 ± 0.000021
Stem cells of small intestine	0.0142 ± 0.0002	0.01228 ± 0.00018	0.01046 ± 0.00015
Spleen	0.012806 ± 0.000055	0.011071 ± 0.000048	0.009014 ± 0.000039
Thymus	0.01408 ± 0.00016	0.01207 ± 0.00014	0.01025 ± 0.00011
Uterus/cervix	0.02905 ± 0.00011	0.025108 ± 0.000098	0.021279 ± 0.000083
Tongue	0.011754 ± 0.000091	0.009838 ± 0.000077	0.007934 ± 0.000065
Tonsils	0.01209 ± 0.00038	0.00999 ± 0.00032	0.00825 ± 0.00027
Right colon wall (ascending + right transverse)	0.012634 ± 0.000051	0.010905 ± 0.000044	0.009418 ± 0.000037
Left colon wall (left transverse + descending)	0.012835 ± 0.000052	0.010975 ± 0.000045	0.009278 ± 0.000037
Rectosigmoid colon wall (sigmoid + rectum)	0.02044 ± 0.00011	0.017508 ± 0.000091	0.014668 ± 0.000076
Stem cells of right colon (ascending + right transverse)	0.01184 ± 0.00033	0.00938 ± 0.00027	0.00926 ± 0.00026
Stem cells of left colon (left transverse + descending)	0.01255 ± 0.00042	0.00985 ± 0.00036	0.00906 ± 0.00032
Stem cells of rectosigmoid colon (sigmoid + rectum)	0.02056 ± 0.00063	0.01682 ± 0.00052	0.01427 ± 0.00044
Basal cells of anterior nasal passages	0.0079 ± 0.0016	0.0124 ± 0.0023	0.0054 ± 0.0012
Basal cells of posterior nasal passages + pharynx	0.0212 ± 0.0023	0.015 ± 0.0016	0.014 ± 0.0015
Extrathoracic lymph nodes	0.01292 ± 0.00019	0.01144 ± 0.00017	0.00921 ± 0.00014
Bronchial basal cells	0.0192 ± 0.0014	0.0146 ± 0.0011	0.01349 ± 0.00096
Bronchial secretory cells	0.0199 ± 0.0014	0.0154 ± 0.0012	0.0149 ± 0.0011
Bronchiolar secretory cells	--	--	--
Alveolar-interstitium	0.021473 ± 0.000032	0.019091 ± 0.000028	0.016812 ± 0.000025
Thoracic lymph nodes	0.01377 ± 0.00019	0.01216 ± 0.00016	0.00986 ± 0.00013
Right lung lobe	0.021398 ± 0.000043	0.019002 ± 0.000038	0.016799 ± 0.000034
Left lung lobe	0.021565 ± 0.000047	0.0192 ± 0.000042	0.016828 ± 0.000037
Right adrenal gland	0.01466 ± 0.00025	0.01271 ± 0.00021	0.01015 ± 0.00017

Left adrenal gland	0.01463 ± 0.00027	0.01287 ± 0.00024	0.0107 ± 0.0002
Right breast adipose	0.01171 ± 0.000061	0.009774 ± 0.000046	0.008345 ± 0.000033
Right breast glandular	0.011909 ± 0.000071	0.010096 ± 0.000061	0.008354 ± 0.00005
Left breast adipose	0.012213 ± 0.000062	0.010399 ± 0.000048	0.008519 ± 0.000033
Left breast glandular	0.012705 ± 0.000074	0.010872 ± 0.000062	0.008971 ± 0.000052
Right breast (adipose + glandular)	0.011798 ± 0.000046	0.009898 ± 0.000037	0.008348 ± 0.000028
Left breast (adipose + glandular)	0.012431 ± 0.000048	0.010581 ± 0.000038	0.008657 ± 0.000028
Breast (adipose)	0.01171 ± 0.000043	0.009774 ± 0.000032	0.008345 ± 0.000024
Breast (glandular)	0.011909 ± 0.000051	0.010096 ± 0.000043	0.008354 ± 0.000035
Entire lenses of eye	0.01234 ± 0.00095	0.00791 ± 0.0007	0.00532 ± 0.00055
Sensitive lenses of eye	0.01 ± 0.0018	0.0081 ± 0.0015	0.0046 ± 0.0013
Right kidney cortex	0.013566 ± 0.000066	0.011589 ± 0.000057	0.009633 ± 0.000047
Right kidney medulla	0.01362 ± 0.00013	0.01171 ± 0.00011	0.009849 ± 0.000091
Right kidney pelvis	0.01353 ± 0.00027	0.01209 ± 0.00024	0.00977 ± 0.00019
Right kidney (cortex + medulla + pelvis)	0.013576 ± 0.000058	0.011631 ± 0.000049	0.00968 ± 0.000041
Left kidney cortex	0.012865 ± 0.00006	0.011054 ± 0.000051	0.008871 ± 0.000042
Left kidney medulla	0.01276 ± 0.00011	0.010996 ± 0.000097	0.00898 ± 0.00008
Left kidney pelvis	0.01289 ± 0.00025	0.01107 ± 0.00021	0.00897 ± 0.00017
Left kidney (cortex + medulla + pelvis)	0.012845 ± 0.000052	0.011043 ± 0.000044	0.008896 ± 0.000036
Right ovary	0.0209 ± 0.00033	0.0176 ± 0.00028	0.01455 ± 0.00023
Left ovary	0.02142 ± 0.00033	0.01868 ± 0.00029	0.01542 ± 0.00024
Pituitary gland	0.01925 ± 0.00099	0.01849 ± 0.00095	0.01614 ± 0.00083
Spinal cord	0.01275 ± 0.00015	0.01137 ± 0.00013	0.00891 ± 0.00011
Ureters	0.01607 ± 0.00019	0.01424 ± 0.00016	0.01173 ± 0.00013
Adipose/residual tissue	0.011153 ± 0.000045	0.0092322 ± 0.0000037	0.007372 ± 0.0000022
Total body	0.0129123 ± 0.0000031	0.0107934 ± 0.0000028	0.0086145 ± 0.000002
e_{DW} or e (mSv/MBq)	0.0207713 ± 0.0000033	0.0179528 ± 0.0000025	0.0153921 ± 0.0000019

Supplemental Table 6: ¹⁸F-FDG organ-level absorbed dose coefficients (mGy/MBq) for the 10th percentile standing height adult male PSPs.

Organ/tissue	Absorbed dose coefficient (mGy/MBq)		
	H10 / W10 male (167 cm / 55.9 kg)	H10 / W50 male (167 cm / 70.6 kg)	H10 / W90 male (167 cm / 90.2 kg)
Red (active) marrow	0.012844 ± 0.000015	0.011025 ± 0.000013	0.009494 ± 0.000011
Colon wall	0.014117 ± 0.000036	0.012369 ± 0.000031	0.010661 ± 0.000026
Stem cells of colon	0.01322 ± 0.00027	0.01158 ± 0.00023	0.00984 ± 0.0002
Right lung + left lung	0.021109 ± 0.000031	0.018558 ± 0.000027	0.016574 ± 0.000025
Stomach wall	0.014527 ± 0.000058	0.012472 ± 0.000048	0.010783 ± 0.000042
Stem cells of stomach	0.01258 ± 0.00032	0.01079 ± 0.00028	0.0093 ± 0.00024
Breast adipose + breast glandular	0.01084 ± 0.00015	0.00946 ± 0.00012	0.007787 ± 0.000086
Right ovary + left ovary	--	--	--
Testes	0.01164 ± 0.00012	0.01033 ± 0.00011	0.008331 ± 0.000089
Urinary bladder wall	0.05952 ± 0.00021	0.05232 ± 0.00018	0.04675 ± 0.00016
Urinary bladder basal cells	0.1155 ± 0.001	0.10054 ± 0.00089	0.08814 ± 0.00079
Esophagus wall	0.0161 ± 0.00011	0.013909 ± 0.000098	0.011764 ± 0.000082
Esophagus basal cells	0.01451 ± 0.00073	0.01101 ± 0.0006	0.01188 ± 0.00062
Liver	0.020451 ± 0.000025	0.018144 ± 0.000022	0.01643 ± 0.00002
Thyroid	0.01184 ± 0.00016	0.00994 ± 0.00013	0.00822 ± 0.00011
50um endosteal region (endosteal cells)	0.010705 ± 0.000012	0.0090691 ± 0.0000099	0.0076746 ± 0.0000085
Brain	0.03391 ± 0.000041	0.032878 ± 0.000039	0.031709 ± 0.000038
Salivary glands	0.011101 ± 0.000077	0.009283 ± 0.000066	0.007567 ± 0.000056
Skin	0.008959 ± 0.00001	0.0072862 ± 0.0000084	0.0058335 ± 0.0000073
Basal cells of skin	0.007113 ± 0.000028	0.005811 ± 0.000024	0.004771 ± 0.000021
Right adrenal + left adrenal	0.01547 ± 0.00019	0.01329 ± 0.00016	0.01084 ± 0.00014
ET region	0.01156 ± 0.00011	0.00974 ± 0.000093	0.00819 ± 0.000081
Gallbladder wall	0.01459 ± 0.00022	0.01295 ± 0.00019	0.01151 ± 0.00017
Heart wall	0.06487 ± 0.0001	0.0564 ± 0.00009	0.05 ± 0.00008
Right kidney + left kidney	0.013542 ± 0.000039	0.011587 ± 0.000033	0.00987 ± 0.000028
Systemic lymph nodes	0.015907 ± 0.000061	0.013696 ± 0.000052	0.011844 ± 0.000044

Muscle	0.011284 ± 0.0000045	0.0094595 ± 0.0000038	0.0078654 ± 0.0000031
Oral mucosa	0.01094 ± 0.00059	0.01004 ± 0.00055	0.00758 ± 0.00045
Pancreas	0.014879 ± 0.000067	0.012685 ± 0.000056	0.010869 ± 0.000048
Prostate	0.0274 ± 0.00025	0.02483 ± 0.00022	0.0219 ± 0.00019
Small intestine wall	0.014777 ± 0.000029	0.012693 ± 0.000024	0.011018 ± 0.000021
Stem cells of small intestine	0.01356 ± 0.0002	0.01152 ± 0.00017	0.01018 ± 0.00015
Spleen	0.013507 ± 0.000057	0.011467 ± 0.000048	0.009712 ± 0.000041
Thymus	0.01381 ± 0.00016	0.012 ± 0.00013	0.01015 ± 0.00011
Uterus/cervix	--	--	--
Tongue	0.011388 ± 0.000085	0.009539 ± 0.000073	0.007879 ± 0.000062
Tonsils	0.01369 ± 0.00042	0.01141 ± 0.00036	0.01029 ± 0.00032
Right colon wall (ascending + right transverse)	0.012808 ± 0.000054	0.011121 ± 0.000046	0.009653 ± 0.000039
Left colon wall (left transverse + descending)	0.012001 ± 0.000053	0.010225 ± 0.000045	0.008719 ± 0.000038
Rectosigmoid colon wall (sigmoid + rectum)	0.0192 ± 0.00012	0.016389 ± 0.000099	0.014234 ± 0.000086
Stem cells of right colon (ascending + right transverse)	0.01166 ± 0.00039	0.01061 ± 0.00034	0.00892 ± 0.0003
Stem cells of left colon (left transverse + descending)	0.01146 ± 0.00044	0.00962 ± 0.00036	0.00804 ± 0.00031
Stem cells of rectosigmoid colon (sigmoid + rectum)	0.01791 ± 0.0006	0.01558 ± 0.00052	0.01357 ± 0.00046
Basal cells of anterior nasal passages	0.0091 ± 0.0011	0.0064 ± 0.00088	0.00575 ± 0.00087
Basal cells of posterior nasal passages + pharynx	0.0193 ± 0.0014	0.015 ± 0.0011	0.0149 ± 0.0012
Extrathoracic lymph nodes	0.01285 ± 0.00018	0.01092 ± 0.00016	0.00936 ± 0.00014
Bronchial basal cells	0.0196 ± 0.001	0.01615 ± 0.00087	0.01428 ± 0.00077
Bronchial secretory cells	0.0201 ± 0.001	0.01623 ± 0.00086	0.01354 ± 0.00073
Bronchiolar secretory cells	--	--	--
Alveolar-interstitium	0.021109 ± 0.000031	0.018558 ± 0.000027	0.016574 ± 0.000025
Thoracic lymph nodes	0.01435 ± 0.00019	0.0126 ± 0.00016	0.01064 ± 0.00014
Right lung lobe	0.021013 ± 0.000042	0.018512 ± 0.000037	0.016573 ± 0.000033
Left lung lobe	0.021223 ± 0.000047	0.018614 ± 0.000041	0.016575 ± 0.000036
Right adrenal gland	0.01547 ± 0.00027	0.01329 ± 0.00023	0.01084 ± 0.00019

Left adrenal gland	0.014 ± 0.00026	0.01203 ± 0.00022	0.01 ± 0.00019
Right breast adipose	0.01095 ± 0.00029	0.0097 ± 0.00021	0.00794 ± 0.00015
Right breast glandular	0.01072 ± 0.00032	0.00904 ± 0.00026	0.00742 ± 0.00022
Left breast adipose	0.01154 ± 0.00029	0.00949 ± 0.00021	0.0081 ± 0.00015
Left breast glandular	0.0103 ± 0.0003	0.00855 ± 0.00026	0.00701 ± 0.00022
Right breast (adipose + glandular)	0.01084 ± 0.00021	0.00946 ± 0.00017	0.00779 ± 0.00012
Left breast (adipose + glandular)	0.01096 ± 0.00021	0.00913 ± 0.00016	0.00778 ± 0.00012
Breast (adipose)	0.01095 ± 0.00021	0.0097 ± 0.00015	0.00794 ± 0.0001
Breast (glandular)	0.01072 ± 0.00022	0.00904 ± 0.00019	0.00742 ± 0.00016
Entire lenses of eye	0.00977 ± 0.00085	0.00785 ± 0.00072	0.00858 ± 0.00078
Sensitive lenses of eye	0.0151 ± 0.0024	0.0063 ± 0.0011	0.0115 ± 0.0019
Right kidney cortex	0.013765 ± 0.000065	0.011823 ± 0.000054	0.010116 ± 0.000047
Right kidney medulla	0.01396 ± 0.00013	0.0121 ± 0.00011	0.010542 ± 0.000094
Right kidney pelvis	0.01397 ± 0.00027	0.01252 ± 0.00024	0.01044 ± 0.0002
Right kidney (cortex + medulla + pelvis)	0.013808 ± 0.000057	0.011899 ± 0.000048	0.010206 ± 0.000041
Left kidney cortex	0.013012 ± 0.000064	0.011093 ± 0.000054	0.009369 ± 0.000046
Left kidney medulla	0.01352 ± 0.00013	0.01124 ± 0.00011	0.009503 ± 0.00009
Left kidney pelvis	0.01334 ± 0.00028	0.01163 ± 0.00024	0.00969 ± 0.0002
Left kidney (cortex + medulla + pelvis)	0.013117 ± 0.000056	0.011139 ± 0.000047	0.009405 ± 0.00004
Right ovary	--	--	--
Left ovary	--	--	--
Pituitary gland	0.0194 ± 0.001	0.01678 ± 0.00094	0.01457 ± 0.00083
Spinal cord	0.01318 ± 0.00012	0.01108 ± 0.0001	0.009424 ± 0.000088
Ureters	0.0172 ± 0.0002	0.0149 ± 0.00017	0.01303 ± 0.00015
Adipose/residual tissue	0.012027 ± 0.000006	0.0096353 ± 0.0000039	0.0078054 ± 0.0000031
Total body	0.0130624 ± 0.0000033	0.0108538 ± 0.0000026	0.0090067 ± 0.0000022
e_{DW} or e (mSv/MBq)	0.0199197 ± 0.0000048	0.0172916 ± 0.0000037	0.0150214 ± 0.0000028

Supplemental Table 7: ¹⁸F-FDG organ-level absorbed dose coefficients (mGy/MBq) for the 50th percentile standing height adult male PSPs.

Organ/tissue	Absorbed dose coefficient (mGy/MBq)		
	H50 / W10 male (177 cm / 64.7 kg)	H50 / W50 male (177 cm / 79.3 kg)	H50 / W90 male (177 cm / 99.1 kg)
Red (active) marrow	0.011418 ± 0.000013	0.009979 ± 0.000011	0.0087713 ± 0.0000099
Colon wall	0.012845 ± 0.000032	0.011242 ± 0.000028	0.009499 ± 0.000023
Stem cells of colon	0.01212 ± 0.00024	0.01041 ± 0.00021	0.00864 ± 0.00018
Right lung + left lung	0.018779 ± 0.000028	0.016733 ± 0.000025	0.015106 ± 0.000022
Stomach wall	0.012878 ± 0.000051	0.011252 ± 0.000044	0.009824 ± 0.000038
Stem cells of stomach	0.01046 ± 0.00028	0.00967 ± 0.00025	0.00858 ± 0.00022
Breast adipose + breast glandular	0.00966 ± 0.00013	0.00847 ± 0.0001	0.00701 ± 0.000078
Right ovary + left ovary	--	--	--
Testes	0.01046 ± 0.00011	0.008788 ± 0.000092	0.007624 ± 0.00008
Urinary bladder wall	0.05359 ± 0.00019	0.04784 ± 0.00016	0.04298 ± 0.00015
Urinary bladder basal cells	0.10104 ± 0.00091	0.08985 ± 0.0008	0.07976 ± 0.00072
Esophagus wall	0.01434 ± 0.0001	0.012617 ± 0.000087	0.010752 ± 0.000074
Esophagus basal cells	0.01481 ± 0.00071	0.01219 ± 0.00063	0.00967 ± 0.00051
Liver	0.018226 ± 0.000022	0.016422 ± 0.00002	0.014934 ± 0.000018
Thyroid	0.01003 ± 0.00013	0.00875 ± 0.00012	0.00774 ± 0.0001
50um endosteal region (endosteal cells)	0.009515 ± 0.00001	0.0079932 ± 0.0000089	0.0068931 ± 0.0000077
Brain	0.032571 ± 0.000039	0.031604 ± 0.000038	0.030585 ± 0.000037
Salivary glands	0.009688 ± 0.000069	0.008232 ± 0.00006	0.00697 ± 0.000052
Skin	0.0079062 ± 0.0000092	0.0064697 ± 0.0000075	0.0053954 ± 0.0000068
Basal cells of skin	0.006194 ± 0.000025	0.005229 ± 0.000022	0.004347 ± 0.000019
Right adrenal + left adrenal	0.01345 ± 0.00017	0.01151 ± 0.00014	0.01027 ± 0.00013
ET region	0.010144 ± 0.000095	0.00873 ± 0.000085	0.007572 ± 0.000075
Gallbladder wall	0.01303 ± 0.0002	0.01166 ± 0.00017	0.0103 ± 0.00015
Heart wall	0.057359 ± 0.000092	0.050815 ± 0.000081	0.04553 ± 0.000073
Right kidney + left kidney	0.011979 ± 0.000035	0.010421 ± 0.00003	0.009009 ± 0.000026
Systemic lymph nodes	0.014063 ± 0.000053	0.012327 ± 0.000046	0.010868 ± 0.00004

Muscle	0.0099572 ± 0.000004	0.0085128 ± 0.0000034	0.0072307 ± 0.0000029
Oral mucosa	0.00999 ± 0.00053	0.00862 ± 0.00049	0.00721 ± 0.00042
Pancreas	0.013128 ± 0.000058	0.011445 ± 0.00005	0.009859 ± 0.000043
Prostate	0.02484 ± 0.00023	0.02217 ± 0.0002	0.02 ± 0.00018
Small intestine wall	0.013035 ± 0.000024	0.011482 ± 0.000021	0.009989 ± 0.000019
Stem cells of small intestine	0.01176 ± 0.00017	0.01066 ± 0.00016	0.00928 ± 0.00014
Spleen	0.011918 ± 0.00005	0.010315 ± 0.000043	0.008893 ± 0.000037
Thymus	0.01207 ± 0.00014	0.01061 ± 0.00012	0.00929 ± 0.0001
Uterus/cervix	--	--	--
Tongue	0.010167 ± 0.000077	0.008711 ± 0.000068	0.007206 ± 0.000058
Tonsils	0.01271 ± 0.00039	0.01144 ± 0.00035	0.00926 ± 0.0003
Right colon wall (ascending + right transverse)	0.011455 ± 0.000048	0.010087 ± 0.000042	0.008719 ± 0.000036
Left colon wall (left transverse + descending)	0.010578 ± 0.000047	0.009258 ± 0.000041	0.00786 ± 0.000034
Rectosigmoid colon wall (sigmoid + rectum)	0.01743 ± 0.00011	0.015117 ± 0.00009	0.013245 ± 0.000079
Stem cells of right colon (ascending + right transverse)	0.01078 ± 0.00034	0.00963 ± 0.00032	0.00806 ± 0.00027
Stem cells of left colon (left transverse + descending)	0.00989 ± 0.00038	0.00783 ± 0.0003	0.00684 ± 0.00027
Stem cells of rectosigmoid colon (sigmoid + rectum)	0.01704 ± 0.00056	0.0149 ± 0.0005	0.01182 ± 0.0004
Basal cells of anterior nasal passages	0.0095 ± 0.0011	0.0068 ± 0.0011	0.00519 ± 0.00076
Basal cells of posterior nasal passages + pharynx	0.0178 ± 0.0013	0.0143 ± 0.0011	0.01258 ± 0.00097
Extrathoracic lymph nodes	0.01182 ± 0.00017	0.01026 ± 0.00014	0.00884 ± 0.00013
Bronchial basal cells	0.01773 ± 0.00093	0.01382 ± 0.00074	0.01284 ± 0.00071
Bronchial secretory cells	0.01792 ± 0.00096	0.01378 ± 0.00074	0.0128 ± 0.00069
Bronchiolar secretory cells	--	--	--
Alveolar-interstitium	0.018779 ± 0.000028	0.016733 ± 0.000025	0.015106 ± 0.000022
Thoracic lymph nodes	0.01278 ± 0.00017	0.01128 ± 0.00014	0.01004 ± 0.00013
Right lung lobe	0.018719 ± 0.000037	0.016698 ± 0.000033	0.015101 ± 0.00003
Left lung lobe	0.01885 ± 0.000041	0.016775 ± 0.000037	0.015112 ± 0.000032
Right adrenal gland	0.01345 ± 0.00024	0.01151 ± 0.0002	0.01027 ± 0.00018

Left adrenal gland	0.01236 ± 0.00023	0.01036 ± 0.0002	0.00921 ± 0.00017
Right breast adipose	0.00992 ± 0.00024	0.00893 ± 0.00019	0.00724 ± 0.00013
Right breast glandular	0.00931 ± 0.00027	0.00769 ± 0.00023	0.00645 ± 0.00019
Left breast adipose	0.01036 ± 0.00024	0.00894 ± 0.00019	0.00709 ± 0.00013
Left breast glandular	0.00947 ± 0.00027	0.00713 ± 0.00022	0.00624 ± 0.00019
Right breast (adipose + glandular)	0.00966 ± 0.00018	0.00847 ± 0.00015	0.00701 ± 0.00011
Left breast (adipose + glandular)	0.00997 ± 0.00018	0.00827 ± 0.00014	0.00684 ± 0.00011
Breast (adipose)	0.00992 ± 0.00017	0.00893 ± 0.00013	0.007244 ± 0.000094
Breast (glandular)	0.00931 ± 0.00019	0.00769 ± 0.00016	0.00645 ± 0.00014
Entire lenses of eye	0.00872 ± 0.0008	0.00855 ± 0.00076	0.00665 ± 0.00064
Sensitive lenses of eye	0.0057 ± 0.0012	0.0085 ± 0.0016	0.0058 ± 0.0012
Right kidney cortex	0.012221 ± 0.000057	0.010633 ± 0.000049	0.009221 ± 0.000042
Right kidney medulla	0.01251 ± 0.00011	0.010988 ± 0.000098	0.00956 ± 0.000085
Right kidney pelvis	0.01232 ± 0.00024	0.01109 ± 0.00021	0.00952 ± 0.00018
Right kidney (cortex + medulla + pelvis)	0.012277 ± 0.00005	0.010716 ± 0.000043	0.009295 ± 0.000037
Left kidney cortex	0.011533 ± 0.000057	0.009948 ± 0.000049	0.008591 ± 0.000042
Left kidney medulla	0.0116 ± 0.00011	0.010177 ± 0.000096	0.008565 ± 0.000081
Left kidney pelvis	0.01167 ± 0.00024	0.0104 ± 0.00021	0.00874 ± 0.00018
Left kidney (cortex + medulla + pelvis)	0.011549 ± 0.000049	0.010007 ± 0.000043	0.008591 ± 0.000037
Right ovary	--	--	--
Left ovary	--	--	--
Pituitary gland	0.01857 ± 0.001	0.01595 ± 0.00089	0.01588 ± 0.00084
Spinal cord	0.01169 ± 0.00011	0.010053 ± 0.000093	0.008673 ± 0.000081
Ureters	0.01522 ± 0.00018	0.01332 ± 0.00015	0.01185 ± 0.00013
Adipose/residual tissue	0.010387 ± 0.0000052	0.0086155 ± 0.0000034	0.0071031 ± 0.0000028
Total body	0.0114761 ± 0.0000029	0.0100548 ± 0.0000027	0.0082201 ± 0.000002
e_{DW} or e (mSv/MBq)	0.0176694 ± 0.0000037	0.0155005 ± 0.0000029	0.0136077 ± 0.0000023

Supplemental Table 8: ¹⁸F-FDG organ-level absorbed dose coefficients (mGy/MBq) for the 90th percentile standing height adult male PSPs.

Organ/tissue	Absorbed dose coefficient (mGy/MBq)		
	H90 / W10 male (186 cm / 74.2 kg)	H90 / W50 male (186 cm / 88.7 kg)	H90 / W90 male (186 cm / 108.4 kg)
Red (active) marrow	0.010275 ± 0.000012	0.009148 ± 0.00001	0.0080557 ± 0.0000091
Colon wall	0.011337 ± 0.000028	0.010188 ± 0.000025	0.009039 ± 0.000022
Stem cells of colon	0.01078 ± 0.00021	0.00938 ± 0.00019	0.00871 ± 0.00018
Right lung + left lung	0.016896 ± 0.000025	0.015254 ± 0.000022	0.013866 ± 0.00002
Stomach wall	0.011584 ± 0.000045	0.010266 ± 0.00004	0.009161 ± 0.000035
Stem cells of stomach	0.00987 ± 0.00026	0.00895 ± 0.00023	0.00818 ± 0.00021
Breast adipose + breast glandular	0.00855 ± 0.00011	0.007463 ± 0.000089	0.006578 ± 0.000072
Right ovary + left ovary	--	--	--
Testes	0.009482 ± 0.000097	0.008087 ± 0.000084	0.007281 ± 0.000075
Urinary bladder wall	0.04822 ± 0.00016	0.04359 ± 0.00015	0.03967 ± 0.00013
Urinary bladder basal cells	0.08945 ± 0.00081	0.08046 ± 0.00072	0.07213 ± 0.00066
Esophagus wall	0.012929 ± 0.000089	0.011432 ± 0.000078	0.0099 ± 0.000068
Esophagus basal cells	0.01292 ± 0.00064	0.0114 ± 0.00057	0.0098 ± 0.0005
Liver	0.016395 ± 0.00002	0.014999 ± 0.000018	0.013796 ± 0.000017
Thyroid	0.00938 ± 0.00012	0.00805 ± 0.0001	0.00679 ± 0.00009
50um endosteal region (endosteal cells)	0.0082778 ± 0.0000092	0.0073133 ± 0.000008	0.006365 ± 0.0000071
Brain	0.031262 ± 0.000038	0.030414 ± 0.000036	0.029442 ± 0.000035
Salivary glands	0.008616 ± 0.000062	0.007558 ± 0.000055	0.006411 ± 0.000049
Skin	0.0068933 ± 0.000008	0.0058728 ± 0.0000068	0.0049031 ± 0.0000061
Basal cells of skin	0.005497 ± 0.000023	0.004761 ± 0.00002	0.004001 ± 0.000018
Right adrenal + left adrenal	0.01177 ± 0.00015	0.01089 ± 0.00013	0.0092 ± 0.00011
ET region	0.009213 ± 0.000087	0.008058 ± 0.000078	0.006954 ± 0.00007
Gallbladder wall	0.0118 ± 0.00018	0.01046 ± 0.00016	0.00963 ± 0.00014
Heart wall	0.051223 ± 0.000082	0.046046 ± 0.000074	0.041662 ± 0.000062
Right kidney + left kidney	0.010668 ± 0.000031	0.009477 ± 0.000027	0.00819 ± 0.000024
Systemic lymph nodes	0.012661 ± 0.000047	0.011409 ± 0.000042	0.010282 ± 0.000037

Muscle	0.0088422 ± 0.0000035	0.0077247 ± 0.0000031	0.0066393 ± 0.0000027
Oral mucosa	0.00843 ± 0.00046	0.00756 ± 0.00041	0.00647 ± 0.00037
Pancreas	0.011748 ± 0.000052	0.010397 ± 0.000045	0.00919 ± 0.00004
Prostate	0.02236 ± 0.0002	0.02022 ± 0.00018	0.01869 ± 0.00016
Small intestine wall	0.011573 ± 0.000022	0.01041 ± 0.000019	0.009327 ± 0.000017
Stem cells of small intestine	0.01053 ± 0.00016	0.00974 ± 0.00014	0.00871 ± 0.00013
Spleen	0.010773 ± 0.000044	0.009362 ± 0.000038	0.00806 ± 0.000034
Thymus	0.01092 ± 0.00012	0.00973 ± 0.00011	0.00844 ± 0.000095
Uterus/cervix	--	--	--
Tongue	0.008992 ± 0.000069	0.007778 ± 0.000061	0.006726 ± 0.000054
Tonsils	0.01133 ± 0.00035	0.01028 ± 0.00032	0.00934 ± 0.0003
Right colon wall (ascending + right transverse)	0.010108 ± 0.000042	0.009102 ± 0.000037	0.00808 ± 0.000033
Left colon wall (left transverse + descending)	0.00939 ± 0.000041	0.008267 ± 0.000036	0.007381 ± 0.000032
Rectosigmoid colon wall (sigmoid + rectum)	0.01528 ± 0.000091	0.01382 ± 0.000081	0.01246 ± 0.000072
Stem cells of right colon (ascending + right transverse)	0.00974 ± 0.00032	0.00862 ± 0.00029	0.00808 ± 0.00027
Stem cells of left colon (left transverse + descending)	0.00934 ± 0.00035	0.00786 ± 0.0003	0.00713 ± 0.00027
Stem cells of rectosigmoid colon (sigmoid + rectum)	0.01425 ± 0.00048	0.0125 ± 0.00043	0.01172 ± 0.00039
Basal cells of anterior nasal passages	0.0078 ± 0.0011	0.0082 ± 0.001	0.00546 ± 0.00079
Basal cells of posterior nasal passages + pharynx	0.015 ± 0.0011	0.0147 ± 0.0011	0.0128 ± 0.001
Extrathoracic lymph nodes	0.01045 ± 0.00015	0.00929 ± 0.00013	0.00807 ± 0.00012
Bronchial basal cells	0.01587 ± 0.00081	0.01463 ± 0.00075	0.01218 ± 0.00067
Bronchial secretory cells	0.01553 ± 0.00082	0.01384 ± 0.00074	0.01256 ± 0.00067
Bronchiolar secretory cells	--	--	--
Alveolar-interstitium	0.016896 ± 0.000025	0.015254 ± 0.000022	0.013866 ± 0.00002
Thoracic lymph nodes	0.01164 ± 0.00015	0.01029 ± 0.00013	0.00886 ± 0.00011
Right lung lobe	0.016842 ± 0.000034	0.015216 ± 0.00003	0.013877 ± 0.000028
Left lung lobe	0.016961 ± 0.000037	0.0153 ± 0.000032	0.013853 ± 0.000029
Right adrenal gland	0.01177 ± 0.00021	0.01089 ± 0.00019	0.0092 ± 0.00016

Left adrenal gland	0.01046 ± 0.00019	0.00972 ± 0.00018	0.00813 ± 0.00015
Right breast adipose	0.00897 ± 0.00021	0.00781 ± 0.00016	0.00676 ± 0.00012
Right breast glandular	0.00798 ± 0.00023	0.00686 ± 0.0002	0.00615 ± 0.00018
Left breast adipose	0.00933 ± 0.00022	0.00784 ± 0.00016	0.00671 ± 0.00012
Left breast glandular	0.00881 ± 0.00025	0.00711 ± 0.0002	0.00622 ± 0.00018
Right breast (adipose + glandular)	0.00855 ± 0.00016	0.00746 ± 0.00013	0.00658 ± 0.0001
Left breast (adipose + glandular)	0.00911 ± 0.00016	0.00758 ± 0.00013	0.00657 ± 0.0001
Breast (adipose)	0.00897 ± 0.00015	0.00781 ± 0.00011	0.006758 ± 0.000087
Breast (glandular)	0.00798 ± 0.00016	0.00686 ± 0.00014	0.00615 ± 0.00013
Entire lenses of eye	0.00933 ± 0.00084	0.00797 ± 0.00076	0.00513 ± 0.00057
Sensitive lenses of eye	0.0081 ± 0.0014	0.0101 ± 0.002	0.00374 ± 0.00099
Right kidney cortex	0.010856 ± 0.00005	0.009698 ± 0.000045	0.008381 ± 0.000039
Right kidney medulla	0.01128 ± 0.0001	0.009902 ± 0.000088	0.008562 ± 0.000076
Right kidney pelvis	0.011 ± 0.00021	0.00999 ± 0.00019	0.00861 ± 0.00016
Right kidney (cortex + medulla + pelvis)	0.010939 ± 0.000044	0.009746 ± 0.000039	0.008423 ± 0.000034
Left kidney cortex	0.010254 ± 0.00005	0.009032 ± 0.000043	0.007798 ± 0.000038
Left kidney medulla	0.010231 ± 0.000096	0.009164 ± 0.000086	0.007987 ± 0.000075
Left kidney pelvis	0.01055 ± 0.00021	0.0096 ± 0.00019	0.00806 ± 0.00016
Left kidney (cortex + medulla + pelvis)	0.010261 ± 0.000044	0.009077 ± 0.000038	0.007842 ± 0.000033
Right ovary	--	--	--
Left ovary	--	--	--
Pituitary gland	0.01703 ± 0.00092	0.01524 ± 0.00084	0.01487 ± 0.00081
Spinal cord	0.01059 ± 0.000096	0.009073 ± 0.000083	0.007932 ± 0.000074
Ureters	0.01363 ± 0.00016	0.01232 ± 0.00014	0.01085 ± 0.00012
Adipose/residual tissue	0.0092199 ± 0.0000046	0.0078156 ± 0.0000031	0.0066291 ± 0.0000027
Total body	0.0102291 ± 0.0000026	0.0088606 ± 0.0000021	0.0075807 ± 0.0000018
e_{DW} or e (mSv/MBq)	0.0158446 ± 0.0000029	0.0141068 ± 0.0000024	0.0127004 ± 0.0000019