

Medical apparatus in health establishments in the Czech Republic
(CZECH HEALTH STATISTICS 2017, Institute of Health Information and Statistics)

Apparatus	Number of apparatus	Number of inhabitants per 1 unit	Number of performances	
			Total	Per 1 unit
X-ray diagnostic apparatus				
X-ray diag. skiagraphic, stationary	98	108 266	433 814	4 427
X-ray diag. skiagraphic, mobile	396	26 793	207 391	524
X-ray diag. skiascopic-skiagraphic, directly digitalized	218	48 670	4 111 485	18 860
X-ray diag. skiascopic-skiagraphic, indirectly digitalized	420	25 262	3 483 733	8 295
X-ray diag. PAC systems	280	37 893	x	x
X-ray diag. skiascopic-skiagraphic with C-arm	446	23 789	247 584	555
X-ray diag. skiascopic-skiagraphic, conventional	40	265 251	75 665	1 892
X-ray diag. skiascopic-skiagraphic, digital, category II and I	113	93 894	334 248	2 958
X-ray diag., conventional, angiography sets	4	2 652 514	3 652	913
X-ray diag., digital, angiography sets (with DSA), category II	19	558 424	17 401	916
X-ray diag., digital, angiography sets (with DSA), category I. B	50	212 201	85 683	1 714
X-ray diag., digital, angiography sets (with DSA), category I. A	14	757 861	27 001	1 929
X-ray diag., special, cardiographic sets	43	246 745	77 695	1 807
X-ray diag. CT, conventional	2	5 305 028	.	.
X-ray diag. CT, spiral, 1-2 detector rows	3	3 536 685	3 326	1 109
X-ray diag. CT, spiral, 4-12 detector rows	9	1 178 895	51 752	5 750
X-ray diag. CT, spiral, 16 or more detector rows	153	69 347	1 041 856	6 810
X-ray diag. mammograph, category II	75	141 467	642 567	8 568
X-ray diag. mammograph, category I	45	235 779	367 348	8 163
X-ray diag. bone densitometers	67	158 359	251 138	3 748
X-ray diag., not specified above	7	1 515 722	2 708	387
X-ray diag. dental, intraoral	5 691	1 864	4 055 236	713
X-ray diag. dental, panoramic	1 712	6 197	1 046 360	611
X-ray diag. dental, extraoral & unspecified	174	60 977	57 422	330
X-ray therapeutic apparatus				
X-ray therapeutic	23	461 307	119 929	5 214
X-ray simulators	18	589 448	49 782	2 766
CT simulators	16	663 128	21 179	1 324
Linear accelerators, therapeutic irradiators				
Linear accelerator with 1 X-ray energy	10	1 061 006	411 835	41 184
Linear accelerator with more X-ray energies and with electrons	44	241 138	3 172 504	72 102
Radioisotope irradiator for teletherapy, Co-60	7	1 515 722	43 748	6 250
Radioisotope irradiator for teletherapy, Cs-137	1	10 610 055	7 416	7 416
Radioisotope irradiators				
Radioisotope irradiator AFL brachytherapeutic with LDR/MDR	1	10 610 055	.	.
Radioisotope irradiator AFL brachytherapeutic with HDR	15	707 337	5 575	372
Radioisotope irradiator not specified above	9	1 178 895	31 562	3 507
Scintillation gamma cameras - diagnostic				
Scintillation gamma cameras, planar	30	353 669	34 163	1 139
Scintillation gamma cameras SPECT with 1 detector	5	2 122 011	10 687	2 137
Scintillation gamma cameras SPECT with 2 and more detectors	86	123 373	230 795	2 684
PET (positron emission tomograph) without CT	1	10 610 055	.	.
PET (positron emission tomograph) with CT	16	663 128	48 031	3 002
Lithotriptors - therapeutic				
Lithotriptors with only ultrasound guidance	10	1 061 006	916	92
Lithotriptors with X-ray guidance	25	424 402	7 052	282
Ultrasonic scanners (sonographs)				
Ultrasonic scanners for 2D imaging	1 914	5 543	3 023 116	1 579
Ultrasonic scanners, duplex	508	20 886	564 348	1 111
Ultrasonic scanners with colour mapping, highest class	1 034	10 261	2 897 850	2 803
Ultrasonic scanners with colour mapping, medium class	2 131	4 979	3 927 597	1 843
Ultrasonic scanners with colour mapping, lowest class	450	23 578	510 547	1 135
Ultrasonic bone densitometers	29	365 864	17 518	604
Other radiotherapy apparatus				
2D Radiotherapy planning systems	2	5 305 028	.	.
Radiotherapy planning systems, 3D	61	173 935	32 898	539
Substandard dosimetry systems	59	179 831	x	x
Automatic water phantom	39	272 053	x	x
Shielding block cutter	21	505 241	1 802	86
In vivo dosimeters, semiconductor	39	272 053	x	x
In vivo dosimeters, TLD	9	1 178 895	x	x
Multileaf collimator (MLC)	39	272 053	x	x
Portal vision	35	303 144	x	x
Hyperthermia units for malignant neoplasms	3	3 536 685	.	.
Biochemical analyzers (automated)	2 496	4 251	x	x
Hemodialysis units	2 442	4 345	x	x
Magnetic resonance (MR tomograph) over 1.5 T	18	589 448	91 460	5 081
Magnetic resonance (MR tomograph) 1-1.5 T	78	136 026	458 484	5 878
Magnetic resonance (MR tomograph) bellow 1 T	2	5 305 028	.	.
Magnetic resonance (MR tomograph) bellow 0.5 T	2	5 305 028	.	.
Laser, surgical and therapeutic	1 371	7 739	852 414	622
Ventilators (for long-term lung ventilation)	3 554	2 985	x	x
Hyperbaric chamber, one place	6	1 768 343	x	x
Hyperbaric chamber, multiple	8	1 326 257	x	x
Extracorporeal circulation apparatus	74	143 379	x	x
Laparoscopes	659	16 100	x	x
Neuronavigation systems	45	235 779	x	x
Duodenoscope	217	48 894	x	x
Gastroscope	867	12 238	x	x
Coloscope	786	13 499	x	x
Rectoscope	275	38 582	x	x
Cardiotocograph (CTG)	1 570	6 758	775 644	494