

1. General Information

Cohort ID	Archive - Diagnostic & Research Institute of Pathology
Title (Study Name)	FFPE Slides Collection
Principal investigator	Prof. Gerald Höfler, Prof. Kurt Zatloukal
Contact information	pm-biobank@medunigraz.at
Funding agency	---

2. Description

This Collection and Cohort profile aims to give a broad overview about available FFPE slides collected, processed and diagnosed at the Diagnostic & Research Institute of Pathology. Besides diagnoses and histopathological reports, also survival data and sub-collections with digital images are available. The collection comprises more than 7 million FFPE slides and the corresponding FFPE blocks from 1 million cases that have been collected during the years 1984 to 2019.

3. Details

ICD 10/O codes / Healthy	A04.7; A04.9; A15.2; B07; B08.1; B44.9; B80; C02.9; C06.9; C14.0; C15.9; C16.9; C18.0; C18.7; C18.9; C20; C21.0; C22.0; C22.1; C23; C24.0; C25.4; C25.9; C32.9; C34.9; C43.9; C44.9; C45.0; C50.0; C50.9; C53.9; C55; C56; C57.0; C61; C63; C64; C65; C67.9; C69.3; C73; C77.9; C78.0; C78.6; C78.7; C79.3; C79.5; C79.8; C81.1; C82.7; C82.9; C83.0; C83.3; C83.4; C83.7; C83.8; C84.4; C85.9; C90.0; C91.1; C92.0; C92.1; C96.2; D03.9; D04.9; D05.0; D05.1; D06.9; D07.5; D09.0; D10.1; D10.3; D12.5; D12.6; D12.8; D12.9; D13.4; D13.5; D16.9; D17.9; D18.0; D21.9; D22.9; D23.9; D24; D25.9; D26.9; D27; D30.0; D32.9; D34; D35.0; D35.1; D36.1; D37.1; D37.3; D37.7; D39.1; D40.0; D41.4; D43.2; D46.4; D46.9; D69.3; D73.4; D86.0; E04.0; E04.9; E05.0; E06.3; E06.5; E85.4; H60.4; I12.9; I26.9; I51.4; I51.7; I84.9; I88.1; I88.9; J03.9; J18.0; J18.9; J21.9; J32.9; J33.9; J35.0; J35.1; J35.2; J42; J43.2; J43.9; J47; J60; J67.9; J84.8; J84.9; K06.8; K09.0; K13.2; K20; K21.0; K22.7; K25.9; K26.9; K29.1; K29.4; K29.5; K29.7; K29.8; K31.4; K31.7; K35.9; K37; K38.1; K50.9; K51.9; K52.8; K52.9; K55.0; K55.9; K56.2; K56.4; K57.3; K62.0; K62.1; K62.8; K63.5; K65.0; K65.8; K71.3; K73.9; K74.0; K74.3; K74.6; K75.0; K76.0; K80.0; K80.1; K80.2; K81.0; K81.1; K81.9; K82.4; K85.9; K86.1; L03.9; L05.9; L57.0; L72.0; L72.1; L81.4; L82; L85.8; L91.0; L92.3; L98.0; M65.9; M67.4; M71.2; M71.9; M86.9; M87.9; N05.2; N05.3; N08.3; N10; N11.9; N12; N13.3; N13.5; N17.0; N17.9; N18.9; N26; N28.1; N30.0; N30.2; N30.9; N34.2; N40; N41.0; N41.1; N41.9; N42.2; N45.9; N48.0; N50.0; N60.1; N60.2; N60.3; N60.4; N61; N62; N64.1; N70.0; N70.1; N72; N80.0; N80.1; N80.9; N83.0; N83.1; N83.2; N84.0; N84.1; N85.0; N85.2; N86; N87.0; N87.1; N87.9; N88.4; O00.1; O06; O41.1; O73.0; Q43.0; Q43.1; Q83.3; R02; R09.1; S36.0; T81.0
Key words	FFPE slides, histopathological reports, survival data, digital images
Collection / Cohort size 12/2019	~7395400 slides from ~1038040 cases
Informed Consent (IC)	<input checked="" type="checkbox"/> Broad Biobank IC (collected since 2007) <input type="checkbox"/> Specific Study IC
Status	<input checked="" type="checkbox"/> In progress <input type="checkbox"/> Completed

Inclusion criteria	Age distribution	18-99
	Sex distribution (f:m)	50:50
	Others	
Earliest access	As of now	
Quality-standards	<input checked="" type="checkbox"/> ISO 9001:2015 (SOPs)	
Associated publications / references	<p>1: Wulczyn E, Steiner DF, Moran M, Plass M, Reihs R, Tan F, Flament-Auvigne I, Brown T, Regitnig P, Chen PC, Hegde N, Sadhwani A, MacDonald R, Ayalew B, Corrado GS, Peng LH, Tse D, Müller H, Xu Z, Liu Y, Stumpe MC, Zatloukal K, Mermel CH. Interpretable survival prediction for colorectal cancer using deep learning. NPJ Digit Med. 2021 Apr 19;4(1):71. doi: 10.1038/s41746-021-00427-2.</p> <p>2: Stumptner C, Pabst D, Loibner M, Viertler M, Zatloukal K. The impact of crosslinking and non-crosslinking fixatives on antigen retrieval and immunohistochemistry. New Biotechnology, Vol 52, p69-83, 2019</p> <p>3: Groelz D, Viertler C, Pabst D, Dettmann N, Zatloukal K. Impact of storage conditions on the quality of nucleic acids in paraffin embedded tissues. PLoS One. 2018 Sep 7;13(9):e0203608. doi: 10.1371/journal.pone.0203608. PMID: 30203608</p> <p>4: Reihs R, Müller H, Sauer S, Zatloukal K. Automatic classification of histopathological diagnoses for building a large scale tissue catalogue. Health Technol (Berl). 2017;7(1):81-88. doi: 10.1007/s12553-016-0169-8.</p> <p>5: Kashofer K, Viertler C, Pichler M, Zatloukal K. Quality control of RNA preservation and extraction from paraffin-embedded tissue: implications for RT-PCR and microarray analysis. PLoS One. 2013 Jul 31;8(7):e70714. doi:10.1371/journal.pone.0070714.</p> <p>6: Röhr C, Kerick M, Fischer A, Kühn A, Kashofer K, Timmermann B, Daskalaki A, Meinel T, Drichel D, Börno ST, Nowka A, Krobitch S, McHardy AC, Kratsch C, Becker T, Wunderlich A, Barmeyer C, Viertler C, Zatloukal K, Wierling C, Lehrach H, Schweiger MR. High-throughput miRNA and mRNA sequencing of paired colorectal normal, tumor and metastasis tissues and bioinformatic modeling of miRNA-1 therapeutic applications. PLoS One. 2013 Jul 2;8(7):e67461. doi:10.1371/journal.pone.0067461.</p> <p>7: Timmermann B, Kerick M, Roehr C, Fischer A, Isau M, Boerno ST, Wunderlich A, Barmeyer C, Seemann P, Koenig J, Lappe M, Kuss AW, Garshasbi M, Bertram L, Trappe K, Werber M, Herrmann BG, Zatloukal K, Lehrach H, Schweiger MR. Somatic mutation profiles of MSI and MSS colorectal cancer identified by whole exome next generation sequencing and bioinformatics analysis. PLoS One. 2010 Dec 22;5(12):e15661. doi: 10.1371/journal.pone.0015661.</p> <p>8: Zatloukal K, Hainaut P. Human tissue biobanks as instruments for drug discovery and development: impact on personalized medicine. Biomark Med. 2010 Dec;4(6):895-903.</p> <p>9: Pagès F, Kirilovsky A, Mlecnik B, Asslaber M, Tosolini M, Bindea G, Lagorce C, Wind P, Marliot F, Bruneval P, Zatloukal K, Trajanoski Z, Berger</p>	

	<p>A, Fridman WH, Galon J. In situ cytotoxic and memory T cells predict outcome in patients with early-stage colorectal cancer. <i>J Clin Oncol.</i> 2009 Dec 10;27(35):5944-51. doi: 10.1200/JCO.2008.19.6147.</p> <p>10: Schweiger MR, Kerick M, Timmermann B, Albrecht MW, Borodina T, Parkhomchuk D, Zatloukal K, Lehrach H. Genome-wide massively parallel sequencing of formaldehyde fixed-paraffin embedded (FFPE) tumor tissues for copy-number- and mutation-analysis. <i>PLoS One.</i> 2009;4(5):e5548. doi: 10.1371/journal.pone.0005548.</p> <p>11: Lackner C, Gogg-Kamerer M, Zatloukal K, Stumptner C, Brunt EM, Denk H. Ballooned hepatocytes in steatohepatitis: the value of keratin immunohistochemistry for diagnosis. <i>J Hepatol.</i> 2008 May;48(5):821-8.</p> <p>12: Asslaber M, Abuja PM, Stark K, Eder J, Gottweis H, Trauner M, Samonigg H, Mischinger HJ, Schippinger W, Berghold A, Denk H, Zatloukal K. The Genome Austria Tissue Bank (GATiB). <i>Pathobiology.</i> 2007;74(4):251-8. doi: 10.1159/000104453.</p>
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4. Material available (aliquot size) and storage conditions

Material	<input checked="" type="checkbox"/> FFPE blocks and slides	<input checked="" type="checkbox"/> RT	<input type="checkbox"/> 4°C	
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5. Additional information

Disease code	Description	# of slides (1984-2019)	# of cases (1984-2019)
A04.7	Enterocolitis due to Clostridium difficile	400	140
A04.9	Bacterial intestinal infection, unspecified	1200	220
A15.2	Tuberculosis of lung, confirmed histologically	1900	280
B07	Viral warts	6500	2370
B08.1	Molluscum contagiosum	600	140
B44.9	Aspergillosis, unspecified	400	110
B80	Enterobiasis	500	190
C02.9	Malignant neoplasm of other and unspecified parts of tongue: Tongue, unspecified	5700	440
C06.9	Malignant neoplasm of mouth, unspecified	29800	3640
C14.0	Malignant neoplasm of other and ill-defined sites in the lip, oral cavity and pharynx: Pharynx, unspecified	1900	550
C15.9	Malignant neoplasm of oesophagus: Oesophagus, unspecified	14800	830
C16.9	Malignant neoplasm of stomach: Stomach, unspecified	38000	3260
C18.0	Malignant neoplasm of colon: Caecum	18300	770
C18.7	Malignant neoplasm of colon: Sigmoid colon	50600	2460
C18.9	Malignant neoplasm of colon: Colon, unspecified	192400	10980
C20	Malignant neoplasm of rectum	23300	1440
C21.0	Malignant neoplasm of anus and anal canal: Anus, unspecified	4000	190
C22.0	Malignant neoplasm of liver and intrahepatic bile ducts: Liver cell carcinoma	27700	1960
C22.1	Malignant neoplasm of liver and intrahepatic bile ducts: Intrahepatic bile duct carcinoma	14600	1240
C23	Malignant neoplasm of gallbladder	13700	1570
C24.0	Malignant neoplasm of other and unspecified parts of biliary tract: Extrahepatic bile duct	21900	940
C25.4	Malignant neoplasm of pancreas: Endocrine pancreas	1400	190
C25.9	Malignant neoplasm of pancreas: Pancreas, unspecified	17900	1380
C32.9	Malignant neoplasm of larynx: Larynx, unspecified	7700	1630
C34.9	Malignant neoplasm of unspecified part of bronchus or lung	91100	10320
C43.9	Malignant melanoma of skin, unspecified	29500	1660
C44.9	Other and unspecified malignant neoplasm of skin, unspecified	90200	10190
C45.0	Mesothelioma: Mesothelioma of pleura	700	140
C50.0	Malignant neoplasm of nipple and areola	4500	220
C50.9	Malignant neoplasm of breast of unspecified site	132600	7150
C53.9	Malignant neoplasm of cervix uteri: Cervix uteri, unspecified	14700	970
C55	Malignant neoplasm of uterus, part unspecified	58500	4830

Disease code	Description	# of slides (1984-2019)	# of cases (1984-2019)
C56	Malignant neoplasm of ovary	30100	2150
C57.0	Malignant neoplasm of fallopian tube	18200	970
C61	Malignant neoplasm of prostate	397000	11370
C63	Malignant neoplasm of unspecified spermatic cord	141100	5050
C64	Malignant neoplasm of kidney, except renal pelvis	62100	5960
C65	Malignant neoplasm of renal pelvis	8100	470
C67.9	Malignant neoplasm of bladder: Bladder, unspecified	62600	8940
C69.3	Malignant neoplasm of choroid	2700	360
C73	Malignant neoplasm of thyroid gland	23500	2130
C77.9	Secondary and unspecified malignant neoplasm of lymph nodes: Lymph node, unspecified	119900	7980
C78.0	Secondary malignant neoplasm of lung	21200	2320
C78.6	Secondary malignant neoplasm of retroperitoneum and peritoneum	17600	1790
C78.7	Secondary malignant neoplasm of liver and intrahepatic bile duct	27400	2980
C79.3	Secondary malignant neoplasm of brain and cerebral meninges	11200	1220
C79.5	Secondary malignant neoplasm of bone and bone marrow	19300	1930
C79.8	Secondary malignant neoplasm of other specified sites	77100	7530
C81.1	Nodular sclerosis Hodgkin lymphoma	6800	610
C82.7	Follicular lymphoma: Other types of follicular lymphoma	24900	2100
C82.9	Follicular lymphoma, unspecified	39000	3150
C83.0	Small cell B-cell lymphoma	34500	2400
C83.3	Diffuse large B-cell lymphoma	46300	3150
C83.4	Non-follicular lymphoma	3400	220
C83.7	Burkitt lymphoma	6600	500
C83.8	Other non-follicular lymphoma	30000	2040
C84.4	Peripheral T-cell lymphoma, not classified	11100	690
C85.9	Non-Hodgkin lymphoma, unspecified	267600	19730
C90.0	Multiple myeloma	73800	5630
C91.1	Chronic lymphocytic leukemia of B-cell type	35900	2370
C92.0	Acute myeloblastic leukemia	71700	4640
C92.1	Chronic myeloid leukemia, BCR/ABL-positive	12600	830
C96.2	Malignant mast cell neoplasm	8000	500
D03.9	Melanoma in situ, unspecified	4600	280
D04.9	Carcinoma in situ of skin, unspecified	4900	530
D05.0	Lobular carcinoma in situ of breast	5100	220
D05.1	Intraductal carcinoma in situ of breast	134900	7430
D06.9	Carcinoma in situ of cervix uteri: Cervix, unspecified	120800	9850
D07.5	Carcinoma in situ of prostate	108400	2620
D09.0	Carcinoma in situ of other and unspecified sites: Bladder	3900	770
D10.1	Benign neoplasm of mouth and pharynx: Tongue	600	140
D10.3	Benign neoplasm of other and unspecified parts of mouth	16000	3060
D12.5	Benign neoplasm of colon, rectum, anus and anal canal: Sigmoid colon	72800	15510
D12.6	Benign neoplasm of colon, rectum, anus and anal canal: Colon, unspecified	300100	86390
D12.8	Benign neoplasm of colon, rectum, anus and anal canal: Rectum	22000	6130
D12.9	Benign neoplasm of colon, rectum, anus and anal canal: Anus and anal canal	700	440
D13.4	Benign neoplasm of liver	2500	250
D13.5	Benign neoplasm of extrahepatic bile ducts	2700	250
D16.9	Benign neoplasm of bone and articular cartilage, unspecified	500	220
D17.9	Benign lipomatous neoplasm, unspecified	71200	12720
D18.0	Hemangioma	5100	1520
D21.9	Benign neoplasm of connective and other soft tissue, unspecified	3500	860
D22.9	Melanocytic nevi, unspecified	41200	9940
D23.9	Other benign neoplasm of skin, unspecified	8600	1960
D24	Benign neoplasm of breast	72100	7310
D25.9	Leiomyoma of uterus: Leiomyoma of uterus, unspecified	130700	14520
D26.9	Other benign neoplasms of uterus: Uterus, unspecified	1900	250
D27	Benign neoplasm of ovary	51500	6350
D30.0	Benign neoplasm of kidney	10800	1050
D32.9	Benign neoplasm of meninges: Meninges, unspecified	26800	2950
D34	Benign neoplasm of thyroid gland	11100	1350
D35.0	Benign neoplasm of adrenal gland	3900	360
D35.1	Benign neoplasm of parathyroid gland	1700	660
D36.1	Benign neoplasm of peripheral nerves and autonomic nervous system	3600	580
D37.1	Neoplasm of uncertain behavior of stomach	3800	250
D37.3	Neoplasm of uncertain behavior of appendix	6400	440
D37.7	Neoplasm of uncertain or unknown behaviour of oral cavity and digestive organs: Other digestive organs	5200	410

Disease code	Description	# of slides (1984-2019)	# of cases (1984-2019)
D39.1	Neoplasm of uncertain behavior of ovary	3900	190
D40.0	Neoplasm of uncertain or unknown behaviour of male genital organs: Prostate	18800	1240
D41.4	Neoplasm of uncertain behavior of bladder	7600	2130
D43.2	Neoplasm of uncertain or unknown behaviour of brain and central nervous system: Brain, unspecified	1800	110
D46.4	Refractory anemia, unspecified	6900	500
D46.9	Myelodysplastic syndrome, unspecified	17300	1380
D69.3	Purpura and other haemorrhagic conditions: Idiopathic thrombocytopenic purpura	10100	830
D73.4	Diseases of spleen: Cyst of spleen	2600	250
D86.0	Sarcoidosis: Sarcoidosis of lung	5300	1320
E04.0	Other nontoxic goitre: Nontoxic diffuse goitre	1400	140
E04.9	Other nontoxic goitre: Nontoxic goitre, unspecified	40000	4720
E05.0	Thyrotoxicosis with diffuse goiter	4900	580
E06.3	Thyroiditis: Autoimmune thyroiditis	4000	550
E06.5	Thyroiditis: Other chronic thyroiditis	4400	440
E85.4	Amyloidosis: Organ-limited amyloidosis	2000	110
H60.4	Cholesteatoma of external ear	700	690
I12.9	Hypertensive renal disease: Hypertensive renal disease without renal failure	13700	1020
I26.9	Pulmonary embolism without acute cor pulmonale	1800	220
I51.4	Complications and ill-defined descriptions of heart disease: Myocarditis, unspecified	900	140
I51.7	Complications and ill-defined descriptions of heart disease: Cardiomegaly	8200	1380
I84.9	Internal thrombosed haemorrhoids: Unspecified haemorrhoids without complication	8400	4250
I88.1	Nonspecific lymphadenitis: Chronic lymphadenitis, except mesenteric	2500	530
I88.9	Nonspecific lymphadenitis: Nonspecific lymphadenitis, unspecified	13700	1850
J03.9	Acute tonsillitis, unspecified	1700	660
J18.0	Pneumonia, organism unspecified: Bronchopneumonia, unspecified	4500	330
J18.9	Pneumonia, organism unspecified: Pneumonia, unspecified	14600	1960
J21.9	Acute bronchiolitis: Acute bronchiolitis, unspecified	6900	990
J32.9	Chronic sinusitis: Chronic sinusitis, unspecified	1700	500
J33.9	Nasal polyp: Nasal polyp, unspecified	11000	4890
J35.0	Chronic tonsillitis and adenoiditis	1000	500
J35.1	Hypertrophy of tonsils	3100	1300
J35.2	Hypertrophy of adenoids	21300	11540
J42	Unspecified chronic bronchitis	7700	2680
J43.2	Emphysema: Centrilobular emphysema	9400	1130
J43.9	Emphysema: Emphysema, unspecified	8900	1460
J47	Bronchiectasis	1700	220
J60	Coalworker's pneumoconiosis	2000	250
J67.9	Hypersensitivity pneumonitis due to organic dust: Hypersensitivity pneumonitis due to unspecified organic dust	400	170
J84.8	Other specified interstitial pulmonary diseases	8500	1520
J84.9	Interstitial pulmonary disease, unspecified	4600	880
K06.8	Other specified disorders of gingiva and edentulous alveolar ridge	800	470
K09.0	Cysts of oral region, not elsewhere classified: Developmental odontogenic cysts	200	140
K13.2	Leukoplakia and other disturbances of oral epithelium, including tongue	700	390
K20	Esophagitis	42600	8890
K21.0	Gastro-oesophageal reflux disease: Gastro-oesophageal reflux disease with oesophagitis	124700	32930
K22.7	Barrett's esophagus	54600	11810
K25.9	Gastric ulcer	25000	6980
K26.9	Duodenal ulcer	1500	360
K29.1	Gastritis and duodenitis: Other acute gastritis	2400	470
K29.4	Chronic atrophic gastritis	72900	17170
K29.5	Unspecified chronic gastritis	215400	77120
K29.7	Gastritis, unspecified	142100	47780
K29.8	Duodenitis	29800	6430
K31.4	Other diseases of stomach and duodenum: Gastric diverticulum	900	110
K31.7	Other diseases of stomach and duodenum: Polyp of stomach and duodenum	60000	17420
K35.9	Acute appendicitis	7600	4910
K37	Unspecified appendicitis	29200	16280
K38.1	Other diseases of appendix: Appendicular concretions	6600	2900
K50.9	Crohn's disease, unspecified	59400	11230
K51.9	Ulcerative colitis, unspecified	13700	2350
K52.8	Other specified noninfective gastroenteritis and colitis	3300	1270
K52.9	Noninfective gastroenteritis and colitis, unspecified	119600	21360
K55.0	Acute vascular disorders of intestine	14400	1630
K55.9	Vascular disorder of intestine, unspecified	900	300

Disease code	Description	# of slides (1984-2019)	# of cases (1984-2019)
K56.2	Paralytic ileus and intestinal obstruction without hernia: Volvulus	1500	170
K56.4	Other impaction of intestine	8200	2930
K57.3	Diverticular disease of large intestine without perforation or abscess	75500	7070
K62.0	Other diseases of anus and rectum: Anal polyp	1400	410
K62.1	Other diseases of anus and rectum: Rectal polyp	66400	14960
K62.8	Other specified diseases of anus and rectum	5300	1100
K63.5	Other diseases of intestine: Polyp of colon	126700	31880
K65.0	Peritonitis: Acute peritonitis	8600	830
K65.8	Peritonitis: Other peritonitis	11300	1080
K71.3	Toxic liver disease with chronic persistent hepatitis	700	190
K73.9	Chronic hepatitis, not elsewhere classified: Chronic hepatitis, unspecified	7000	720
K74.0	Fibrosis and cirrhosis of liver: Hepatic fibrosis	24600	3090
K74.3	Fibrosis and cirrhosis of liver: Primary biliary cirrhosis	800	170
K74.6	Other and unspecified cirrhosis of liver	8100	690
K75.0	Other inflammatory liver diseases: Abscess of liver	1200	110
K76.0	Other diseases of liver: Fatty (change of) liver, not elsewhere classified	3800	610
K80.0	Calculus of gallbladder with acute cholecystitis	300	220
K80.1	Calculus of gallbladder with other cholecystitis	8100	4940
K80.2	Calculus of gallbladder without cholecystitis	800	410
K81.0	Cholecystitis: Acute cholecystitis	3400	1320
K81.1	Cholecystitis: Chronic cholecystitis	40200	17140
K81.9	Cholecystitis: Cholecystitis, unspecified	18700	5520
K82.4	Other diseases of gallbladder: Cholesterolosis of gallbladder	3900	2480
K85.9	Acute pancreatitis, unspecified	2300	190
K86.1	Other diseases of pancreas: Other chronic pancreatitis	15200	660
L03.9	Cellulitis and acute lymphangitis, unspecified	4700	1190
L05.9	Pilonidal cyst and sinus without abscess	8700	4670
L57.0	Skin changes due to chronic exposure to nonionizing radiation: Actinic keratosis	11800	2070
L72.0	Follicular cysts of skin and subcutaneous tissue: Epidermal cyst	23200	12720
L72.1	Pilar and trichodermal cyst	9500	6210
L81.4	Other disorders of pigmentation: Other melanin hyperpigmentation	400	110
L82	Seborrheic keratosis	21900	4640
L85.8	Other epidermal thickening: Other specified epidermal thickening	200	110
L91.0	Hypertrophic disorders of skin: Hypertrophic scar	6100	1380
L92.3	Granulomatous disorders of skin and subcutaneous tissue: Foreign body granuloma of skin and subcutaneous tissue	11100	1350
L98.0	Other disorders of skin and subcutaneous tissue, not elsewhere classified: Pyogenic granuloma	700	280
M65.9	Synovitis and tenosynovitis, unspecified	4700	1740
M67.4	Ganglion	20100	8890
M71.2	Synovial cyst of popliteal space [Baker]	1000	170
M71.9	Bursopathy, unspecified	7000	3170
M86.9	Osteomyelitis, unspecified	14500	4110
M87.9	Osteonecrosis, unspecified	5500	1350
N05.2	Unspecified nephritic syndrome: Diffuse membranous glomerulonephritis	5600	280
N05.3	Unspecified nephritic syndrome: Diffuse mesangial proliferative glomerulonephritis	4100	220
N08.3	Glomerular disorders in diseases classified elsewhere: Glomerular disorders in diabetes mellitus (E10-E14 with common fourth character .2†)	8600	500
N10	Acute pyelonephritis	4700	330
N11.9	Chronic tubulo-interstitial nephritis: Chronic tubulo-interstitial nephritis, unspecified	5400	440
N12	Tubulo-interstitial nephritis, not specified as acute or chronic	3100	250
N13.3	Other and unspecified hydronephrosis	3400	250
N13.5	Crossing vessel and stricture of ureter without hydronephrosis	400	140
N17.0	Acute renal failure: Acute renal failure with tubular necrosis	3500	250
N17.9	Acute renal failure: Acute renal failure, unspecified	22500	1660
N18.9	Chronic kidney disease: Chronic kidney disease, unspecified	1900	110
N26	Unspecified contracted kidney	1700	170
N28.1	Other disorders of kidney and ureter, not elsewhere classified: Cyst of kidney	3300	410
N30.0	Acute cystitis	3100	1100
N30.2	Other chronic cystitis	24200	6020
N30.9	Cystitis, unspecified	6100	1550
N34.2	Urethritis and urethral syndrome: Other urethritis	2100	190
N40	Benign prostatic hyperplasia	303700	11730
N41.0	Inflammatory diseases of prostate: Acute prostatitis	26200	910
N41.1	Inflammatory diseases of prostate: Chronic prostatitis	330600	10430
N41.9	Inflammatory diseases of prostate: Inflammatory disease of prostate, unspecified	11200	330
N42.2	Other disorders of prostate: Atrophy of prostate	37800	990

Disease code	Description	# of slides (1984-2019)	# of cases (1984-2019)
N45.9	Orchitis and epididymitis: Orchitis, epididymitis and epididymo-orchitis without abscess	9500	880
N48.0	Other disorders of penis: Leukoplakia of penis	4200	970
N50.0	Other disorders of male genital organs: Atrophy of testis	4400	530
N60.1	Diffuse cystic mastopathy	52800	3700
N60.2	Fibroadenosis of breast	18800	1410
N60.3	Fibrosclerosis of breast	50000	3310
N60.4	Mammary duct ectasia	9800	750
N61	Inflammatory disorders of breast	17600	1490
N62	Hypertrophy of breast	8700	990
N64.1	Other disorders of breasts: Fat necrosis of breast	17300	2070
N70.0	Acute salpingitis and oophoritis	4200	440
N70.1	Chronic salpingitis and oophoritis	9100	1130
N72	Inflammatory disease of cervix uteri	109000	11540
N80.0	Endometriosis: Endometriosis of uterus	53700	6320
N80.1	Endometriosis: Endometriosis of ovary	4800	770
N80.9	Endometriosis: Endometriosis, unspecified	15000	2950
N83.0	Follicular cyst of ovary	13100	2100
N83.1	Corpus luteum cyst	3800	750
N83.2	Other and unspecified ovarian cysts	37400	6320
N84.0	Polyp of female genital tract: Polyp of corpus uteri	40000	11180
N84.1	Polyp of female genital tract: Polyp of cervix uteri	7500	2570
N85.0	Endometrial hyperplasia	25700	6930
N85.2	Hypertrophy of uterus	1800	170
N86	Erosion and ectropion of cervix uteri	4800	330
N87.0	Dysplasia of cervix uteri: Mild cervical dysplasia	9200	1050
N87.1	Dysplasia of cervix uteri: Moderate cervical dysplasia	24700	2700
N87.9	Dysplasia of cervix uteri: Dysplasia of cervix uteri, unspecified	54700	4750
N88.4	Other noninflammatory disorders of cervix uteri: Hypertrophic elongation of cervix uteri	7600	1600
O00.1	Tubal pregnancy	6300	1570
O06	Unspecified abortion	70100	20670
O41.1	Infection of amniotic sac and membranes	18600	2570
O73.0	Retained placenta and membranes, without haemorrhage: Retained placenta without haemorrhage	4800	1220
Q43.0	Other congenital malformations of intestine: Meckel diverticulum	4200	720
Q43.1	Other congenital malformations of intestine: Hirschsprung disease	4800	280
Q83.3	Accessory nipple	800	140
R02	Gangrene, not elsewhere classified	28900	7840
R09.1	Pleurisy	16000	3420
S36.0	Injury of spleen	6400	530
T81.0	Complications of procedures, not elsewhere classified:	900	140

Dokument erstellt:	19/07/2021	Letzte inhaltliche Aktualisierung:	03/08/2021
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