

Survey on incidence of surgical procedures and percentage of ambulatory surgery in 6 European countries

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Link to article with trunketed table 2:

http://www.iaas-med.com/files/Journal/19.4/19_4_BROKELMANN.pdf

Complete table 2:

Table 2: **Comparison of selected surgical procedures based upon cases according to OECD rules¹**

	England	Finland	Germany	Scotland	Sweden	Denmark
Population in million (m)	53.01	5.43	82.03	5.25	9.51	5.60
Cataract						
Inpatient	5.494	365	² 131.255	1.396	1.587	471
special inpatient	³ 668		⁴ 24.010			
Total inpatient	6162	365	155.265	1.396	1.587	471
Day cases	330.873	42.492	⁵ 5.797	33.308	76.750	44.284
Outpatient			601.912			
Total AS ⁶	330.873	42.492	607.709	33.308	76.750	44.284
Total	337.035	42.857	762.974	34.704	78.337	44.755
% AS ⁷	98 %	99 %	80 %	96 %	98 %	99 %
Incidence FR ⁸	636	789	930	661	824	813
Squint						
Inpatient	627	91	4.765	49	181	248
Special inpatient	11		140			
Total inpatient	638	91	4.905	49	181	248
Day cases	10.471	768	45	359	1.850	1.704
Outpatient			288			
Total AS	10.471	768	333	359	1.850	1.704
Total	11.109	859	5.238	408	2.031	1.952
% AS	94 %	89 %	6 %	88 %	91 %	87 %
Incidence FR	21	16	6	8	21	3

1 Thanks to Statistisches Bundesamt/Federal Statistical Office, Germany, for providing OECD rules

2 DRG statistics of hospitals (Germany)

3 emergencies (England)

4 EBM statistics for „Belegkrankenhäuser“ (Germany)

5 hourly cases of DRG statistics of hospitals. Day cases of KG 2 statistics (§115b SGB V) not available

6 AS = ambulatory surgery: day cases + outpatient cases (specialized doctor's offices, Day Surgery Centers, etc.)

7 Percentage of ambulatory surgery (AS) to total cases

8 Incidence = frequency ratio (FR): cases per 100.000 population

	England	Finland	Germany	Scotland	Sweden	Denmark
Population in million (m)	53.01	5.43	82.03	5.25	9.51	5.60
Myringotomy with tube insertion						
Inpatient	2.773	112	39.951	62	634	185
Special inpatient	448		1.373			
Total inpatient	3.221	112	41.324	62	634	185
Day cases	29.263	10.582	871	8.019	8.693	791
Outpatient			15.681			
Total AS	29.263	10.582	16.552	8.019	8.693	791
Total	32.484	10.694	57.876	8.081	9.327	976
% AS	90 %	99 %	29 %	99 %	93 %	81 %
Incidence FR	61	197	71	154	98	17
Tonsillectomy						
Inpatient	28.129	2.749	118.217	1.176	4.508	3.070
Special inpatient	197		40.582			
Total inpatient	28.326	2.749	158.799	1.176	4.508	3.070
Day cases	17.128	6.394	123	479	3.153	1.770
Outpatient			5.691			
Total AS	17.128	6.394	5.814	479	3.153	1.770
Total	45.454	9.143	164.613	1.655	7.661	4.840
% AS	38 %	70 %	4 %	29 %	41 %	37 %
Incidence FR	86	168	201	32	81	88
Rhinoplasty						
Inpatient	1.018	790	149.965	75	1.460	3.070
Special inpatient	3		41.303			
Total inpatient	1.021	790	191.268	75	1.460	3.070
Day cases	457	1.489	503	36	2.376	1.770
Outpatient			64.120			
Total AS	457	1.489	64.623	36	2.376	1.770
Total	1.478	2.279	255.891	110	3.836	4.840
% AS	31 %	65 %	25 %	32 %	62 %	68 %
Incidence FR	3	42	312	2	40	46
	England	Finland	Germany	Scotland	Sweden	Denmark
Population in million (m)	53.01	5.43	82.03	5.25	9.51	5.60

Bron.-Mediastinoscopy						
Inpatient	12.419	1.696	8.604		4.839	1.898
Special inpatient	2.264		2			
Total inpatient	14.683	1.696	8.606		4.839	1.898
Day cases	33.501	349	18		6.635	9.133
Outpatient			1			
Total AS	33.501	349	19		6.635	9.133
Total	48.184	2.045	8.625	N/A	11.474	11.031
% AS	70 %	17 %	11 %		58 %	83 %
Incidence FR	91	38	0,2		121	197
Surgical removal tooth						
Inpatient	3.857	223	38.827	134	274	105
Special inpatient	1.167		803			
Total inpatient	5.024	223	39.630	134	274	105
Day cases	104.836	1.921	767	4.874	5.287	2.305
Outpatient			72.243			
Total AS	104.836	1.921	73.010	4.874	5.287	2.305
Total	109.860	2.144	112.640	5.008	5.561	2.410
% AS	95 %	90 %	65 %	97 %	95 %	95 %
Incidence FR	207	39	137	95	58	43
Endoscopic female sterilisation						
Inpatient	1.247	93	4.728		524	106
Special inpatient	15		14			
Total inpatient	1.262	93	4.742		524	106
Day cases	7.634	1.230	34		1.790	178
Outpatient			13			
Total AS	7.634	1.230	47		1.790	178
Total	8.896	1.323	4.789	N/A	2.314	284
% AS	86 %	93 %	1 %		77 %	63 %
Incidence FR	17	24	6		24	5
	England	Finland	Germany	Scotland	Sweden	Denmark
Population in million (m)	53.01	5.43	82.03	5.25	9.51	5.60
Legal abortion						
Inpatient	6.938	122	1.273			93
Special inpatient	17.549		1			
Total inpatient	24.487	122	1.274			93

Day cases	40.861	905	411			6078
Outpatient			4			
Total AS	40.861	905	415			6078
Total	65.348	1.027	1.689	N/A	N/A	6.171
% AS	63 %	88 %	25 %			98 %
Incidence FR	123	19	2			110
Dilatation and curettage of uterus						
Inpatient	5.711	751	53.755	563	4.396	396
Special inpatient	861		3.606			
Total inpatient	6.572	751	57.361	563	4.396	
Day cases	46.398	1.670	4.541	5.491	13.719	8.466
Outpatient			59.872			
Total AS	46.398	1.670	64.413	5.491	13.719	8.466
Total	52.970	2.421	121.774	6.054	18.115	8.862
% AS	88 %	69 %	53 %	91 %	75 %	95 %
Incidence FR	100	45	148	115	190	161
Hysterectomy (LAVH)						
Inpatient	7.200	277	28.422	3.426		210
Special inpatient	23		12.746			
Total inpatient	7.223	277	41.168	3.426		210
Day cases	37	5	3	55		30
Outpatient			2.181			
Total AS	37	5	2.184	55		30
Total	7.260	282	43.352	3.481	N/A	240
% AS	0,5 %	2 %	5 %	2 %		13 %
Incidence FR	14	5	53	66 ⁹		4
	England	Finland	Germany	Scotland	Sweden	Denmark
Population in million (m)	53.01	5.43	82.03	5.25	9.51	5.60
Repair cysto- rectocele						
Inpatient	25.295	1.670	38.746	460	5.894	1.491
Special inpatient	46		2.202			
Total inpatient	25.341	1.670	40.948	460	5.894	1.491
Day cases	557	264	4	2	2.799	1.908
Outpatient			618			
Total AS	557	264	622	2	2.799	1.908
Total	25.898	1.934	41.570	462	8.693	3.399
% AS	2 %	14 %	1 %	0.4 %	32 %	56 %

Incidence FR	49	36	51	9	91	61
Knee arthroscopy						
Inpatient	1.498	384	282.016		831	110
Special inpatient	177		14.250			
Total inpatient	1.675	384	296.266		831	110
Day cases	7.996	1.904	449		5.061	2171
Outpatient			93.661			
Total AS	7.996	1.904	94.110		5.061	2.171
Total	9.671	2.288	390.376	N/A¹⁰	5.892	2.281
% AS	83 %	83 %	24 %		86 %	95 %
Incidence FR	18	42	476		62	41
Arthroscopic meniscus						
Inpatient	16.796	699	134.242	no data ¹¹	551	314
Special inpatient	1.384		11.886			
Total inpatient	18.180	699	146.128		551	314
Day cases	85.699	11.399	294		12.814	9.191
Outpatient			152.435			
Total AS	85.699	11.399	152.929		12.814	9.191
Total	103.879	12.098	298.857		13.365	9.505
% AS	84 %	94 %	51 %		96 %	97 %
Incidence FR	196	223	364		140	173
	England	Finland	Germany	Scotland	Sweden	Denmark
Population in million (m)	53.01	5.43	82.03	5.25	9.51	5.60
Removal bone implants						
Inpatient	9.784	1.265	143.752	733	4.911	1436
Special inpatient	2.631		2.799			
Total inpatient	12.415	1.265	146.551	733	4.911	1436
Day cases	21.915	3.641	1.237	2.076	14.667	12.861
Outpatient			73.769			
Total AS	21.915	3.641	75.006	2.076	14.667	12.861
Total	34.330	4.906	221.557	2.809	19.578	14.297
% AS	64 %	74 %	34 %	74 %	75 %	90 %
Incidence FR	65	90	270	54	206	259
Repair deform. on foot						
Inpatient	11.529	4.773	29.257	1.061	23.092	2.431
Special inpatient	26		927			
Total inpatient	11.555	4.773	30.184	1.061	23.092	2.431

10 Data not available because pooled with arthroscopic meniscus

11 Data not available because pooled with knee arthroscopy

Day cases	18.372	7.447	31	1.301	29.484	9.204
Outpatient			10.651			
Total AS	18.372	7.447	10.682	1.301	29.484	9.204
Total	29.927	12.220	40.866	2.362	52.576	11.635
% AS	61 %	61 %	26 %	55 %	56 %	79 %
Incidence FR	56	225	50	45	553	208
Carpal tunnel release						
Inpatient	1.835		50.336			172
Special inpatient	191		1.434			
Total inpatient	2.026	486	51.770	111	248	172
Day cases	49.717	6.891	199	4.849	3.212	3.649
Outpatient			146.150			
Total AS	49.717	6.891	146.349	4.849	3.212	3.649
Total	51.743	7.377	198.119	4.960	3.460	3.821
% AS	96 %	93 %	74 %	98 %	93 %	95 %
Incidence FR	98	136	242	94	36	69
	England	Finland	Germany	Scotland	Sweden	Denmark
Population in million (m)	53.01	5.43	82.03	5.25	9.51	5.60
Baker cyst						
Inpatient		27	44.219		8	4
Special inpatient			1.227			
Total inpatient		27	45.446		8	4
Day cases		125	111		127	51
Outpatient			38.610			
Total AS		125	38.721		127	51
Total	N/A	152	84.167	N/A	135	55
% AS		82 %	46 %		94 %	93 %
Incidence FR		3	103		1	1
Dupuytren's contracture						
Inpatient	1.857	153	31.313	275	63	4
Special inpatient	18		430			
Total inpatient	1.875	153	31.743	275	63	4
Day cases	8.355	1.334	460	942	156	32
Outpatient			101.694			
Total AS	8.355	1.334	102.154	942	156	32
Total	10.230	1.487	133.897	1.217	219	36
% AS	82 %	90 %	76 %	77 %	71 %	89 %
Incidence FR	19	27	163	23	2	0,6

Crusiate ligament repair						
Inpatient	9.665	631	46.855	219		246
Special inpatient	79		4.888			
Total inpatient	9.744	631	51.743	219		246
Day cases	2.791	2.463	17	219		2.185
Outpatient			17.184			
Total AS	2.791	2.463	17.201	219		2.185
Total	12.535	3.094	68.944	438	N/A	2.431
% AS	22 %	80 %	25 %	50 %		90 %
Incidence FR	24	57	84	8		43
	England	Finland	Germany	Scotland	Sweden	Denmark
Population in million (m)	53.01	5.43	82.03	5.25	9.51	5.60
Disc operations						
Inpatient	5.462	5.693	46.008	473	7.969	3.933
Special inpatient	590		82			
Total inpatient	6.052	5.693	46.090	473	7.969	3.933
Day cases	197	312	-	15	1.173	56
Outpatient			16			
Total AS	197	312	16	15	1.173	56
Total	6.249	6.005	46.106	488	9.142	3.989
% AS	3 %	5 %	0,03 %	3 %	13 %	1 %
Incidence FR	12	111	56	9	96	71
Breast lump						
Inpatient	8.665	2.206	88.055	1.000	3.970	2.599
Special inpatient	64		2.758			
Total inpatient	8.729	2.206	90.813	1.000	3.970	2.599
Day cases	13.119	1.268	419	488	3.144	2.880
Outpatient			6.641			
Total AS	13.119	1.268	7.060	488	3.144	2.880
Total	21.848	3.474	97.873	1.488	7.114	5.479
% AS	60 %	36 %	7 %	33 %	44 %	53 %
Incidence FR	41	64	119	28	75	99
Mastectomy						
Inpatient	16.923	2.794	27.559	1.479	4.110	1.965
Special inpatient	46		2.369			
Total inpatient	16.969	2.794	29.928	1.479	4.110	1.965

Day cases	663	148	18	74	502	249
Outpatient			457			
Total AS	663	148	475	74	502	249
Total	17.632	2.942	30.403	1.553	4.612	2.214
% AS	4 %	5 %	2 %	5 %	11 %	11 %
Incidence FR	33	54	37	30	48	40
	England	Finland	Germany	Scotland	Sweden	Denmark
Population in million (m)	53.01	5.43	82.03	5.25	9.51	5.60
Cholecystectomy laparo.						
Inpatient	39.023	4.960	154.754	3.671	8.497	1.855
Special inpatient	5.694		N/A			
Total inpatient	44.717	4.960	154.754	3.671	8.497	1.855
Day cases	21.303	1.954	18	932	2.329	3.228
Outpatient			N/A			
Total AS	21.303	1.954	18	932	2.329	3.228
Total	66.020	6.914	N/A	4.603	10.826	5.083
% AS	32 %	28 %		20 %	22 %	63 %
Incidence FR	125	127		88	114	92
Laparoscopic antireflux						
Inpatient	3.079	576	787	211	246	197
Special inpatient	53		0			
Total inpatient	3.132	576	787	211	246	197
Day cases	118	44	2	10	17	38
Outpatient			3			
Total AS	118	44	5	10	17	38
Total	3.250	620	792	221	263	235
% AS	4 %	7 %	0,6 %	5 %	6 %	16 %
Incidence FR	6	11	1	4	3	4
Haaemorrhoidectomy						
Inpatient	2.278	692	48.788	281	713	327
Special inpatient	229		2.859			
Total inpatient	2.507	692	51.647	281	713	327
Day cases	4.933	899	212	336	12.926	3.570
Outpatient			24.091			
Total AS	4.933	899	24.303	336	12.926	3.570
Total	7.440	1.591	75.950	617	13.639	3.897
% AS	66 %	57 %	32 %	54 %	95 %	92 %
Incidence FR	14	29	93	12	143	70

	England	Finland	Germany	Scotland	Sweden	Denmark
Population in million (m)	53.01	5.43	82.03	5.25	9.51	5.60
Hernia						
Inpatient	22.144	4.118	175.517	2.268	4.203	327
Special inpatient	3.299		7.980			
Total inpatient	25.443	4.118	183.497	2.268	4.203	327
Day cases	48.720	7.040	620	3.795	12.152	3.570
Outpatient			29.007			
Total AS	48.720	7.040	29.627	3.795	12.152	3.570
Total	74.163	11.158	213.124	6.063	16.355	3.897
% AS	66 %	63 %	14 %	63 %	74 %	82 %
Incidence FR	140	205	260	115	172	157
Circumcision						
Inpatient	3.038	277	17.968	51	483	145
Special inpatient	572		1.015			
Total inpatient	3.610	277	18.983	51	483	145
Day cases	26.093	1.652	465	1.426	5.743	2.944
Outpatient			70.314			
Total AS	26.093	1.652	70.779	1.426	5.743	2.944
Total	29.703	1.929	89.762	1.477	6.226	3.089
% AS	88 %	86 %	79 %	97 %	92 %	95 %
Incidence FR	56	36	109	28	65	55
Orchiectomy + -pexy						
Inpatient	2.459	495	23.280	82	1.297	389
Special inpatient	1.102		1.317			
Total inpatient	3.561	495	24.597	82	1.297	389
Day cases	6.627	657	291	426	1.624	1.470
Outpatient			5.342			
Total AS	6.627	657	5.633	426	1.624	1.470
Total	10.188	1.152	30.230	508	2.921	1.859
% AS	65 %	57 %	19 %	84 %	56 %	79 %
Incidence FR	19	21	37	10	31	33
	England	Finland	Germany	Scotland	Sweden	Denmark
Population in million (m)	53.01	5.43	82.03	5.25	9.51	5.60

Male sterilisation						
Inpatient	149	10	1046		9	1
Special inpatient	7		N/A			
Total inpatient	156	10			9	1
Day cases	9.612	1.128	N/A		1.782	759
Outpatient			N/A			
Total AS	9.612	1.128			1.782	759
Total	9.768	1.138	N/A	N/A	1.791	760
% AS	98 %	99 %			99 %	100 %
Incidence FR	18	21			19	14
TURP						
Inpatient	22.386	2.701	73.102	1.485	5.859	1.626
Special inpatient	414		8.773			
Total inpatient	22.800	2.701	81.875	1.485	5.859	1.626
Day cases	618	45	10	49	96	150
Outpatient			1.662			
Total AS	618	45	1.672	49	96	150
Total	23.418	2.746	83.547	1.534	5.955	1.776
% AS	3 %	2 %	2 %	3 %	2 %	8 %
Incidence FR	44	51	102	29	63	32
Coloscopy w/wo biopsy						
Inpatient	16.542	1.549	345.416		8.941	3.150
Special inpatient	1.916		2			
Total inpatient	18.458	1.549	345.418		8.941	3.150
Day cases	297.153	356	913		54.577	85.115
Outpatient			0			
Total AS	297.153	356	913		54.577	85.115
Total	315.611	1.905	346.331	N/A	63.518	88.265
% AS	94 %	19 %	0,3 %		86 %	96 %
Incidence FR	595	35	422		668	1604
	England	Finland	Germany	Scotland	Sweden	Denmark
Population in million (m)	53.01	5.43	82.03	5.25	9.51	5.60
Removal of colon polyps						
Inpatient	5.357	36	119.930		902	144
Special inpatient	462		2			
Total inpatient	5.819	36	119.932		902	144
Day cases	105.168	5	297		7.377	6.119
Outpatient			2			
Total AS	105.168	5	299		7.377	6.119

Total	110.987	45	120.231	N/A	8.279	6.263
% AS	95 %	12 %	0,2 %		89 %	98 %
Incidence FR	209	1	147		87	113
Varicose veins						
Inpatient	2.708	662	84.960	583	563	139
Special inpatient	66		8.338			
Total inpatient	2.774	662	93.298	583	563	139
Day cases	10.393	3.641	495	1.284	8.366	10.041
Outpatient			101.383			
Total AS	10.393	3.641	101.878	1.284	8.366	10.041
Total	13.167	4.303	195.176	1.867	8.929	10.180
% AS	79 %	85 %	52 %	69 %	94 %	99 %
Incidence FR	25	79	238	36	94	185
Breast reduction						
Inpatient	2.664	1.117	7.752		1.068	570
Special inpatient	1		396			
Total inpatient	2.665	1.117	8.148		1.068	570
Day cases	125	186	0		438	33
Outpatient			142			
Total AS	125	186	142		438	33
Total	2.790	1.303	8.290	N/A	1.506	603
% AS	4 %	14 %	2 %		29 %	5 %
Incidence FR	5	24	10		16	11
	England	Finland	Germany	Scotland	Sweden	Denmark
Population in million (m)	53.01	5.43	82.03	5.25	9.51	5.60
Abdominoplasty						
Inpatient	745	184	11.905		792	649
Special inpatient	4		46			
Total inpatient	749	184	11.951		792	649
Day cases	8	28	18		82	14
Outpatient			29			
Total AS	8	28	47		82	14
Total	757	212	11.998	N/A	874	663
% AS	1 %	13 %	0,4 %		9 %	2 %
Incidence FR	1	4	15		9	12
Pilonoidal cyst						
Inpatient	2.320	665	26.955	267	835	793

Special inpatient	6.139		1.559			
Total inpatient	8.459	665	28.514	267	835	793
Day cases	4.726	1.571	304	469	20.310	9.650
Outpatient			10.957			
Total AS	4.726	1.571	11.261	469	20.310	9.650
Total	13.185	2.236	39.775	736	21.145	10.443
% AS	36 % ¹²	70 %	28 %	64 %	96 %	92 %
Incidence FR	25	41	48	14	222	186

12 English survey said 67 %