



ORTOPROTESIA



ESCOLA SUPERIOR DE
TECNOLOGIA DA SAÚDE
DE LISBOA

ESTeSL

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5.541 **Characterization of 24 Years of Amputations Performed in Portugal (2000-2023)**

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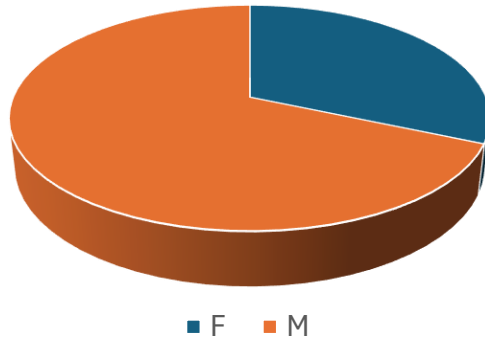


Administração Central dos Serviços de Saúde

Central Administration of Health Services of Portugal

24 years of events

Gender distribution



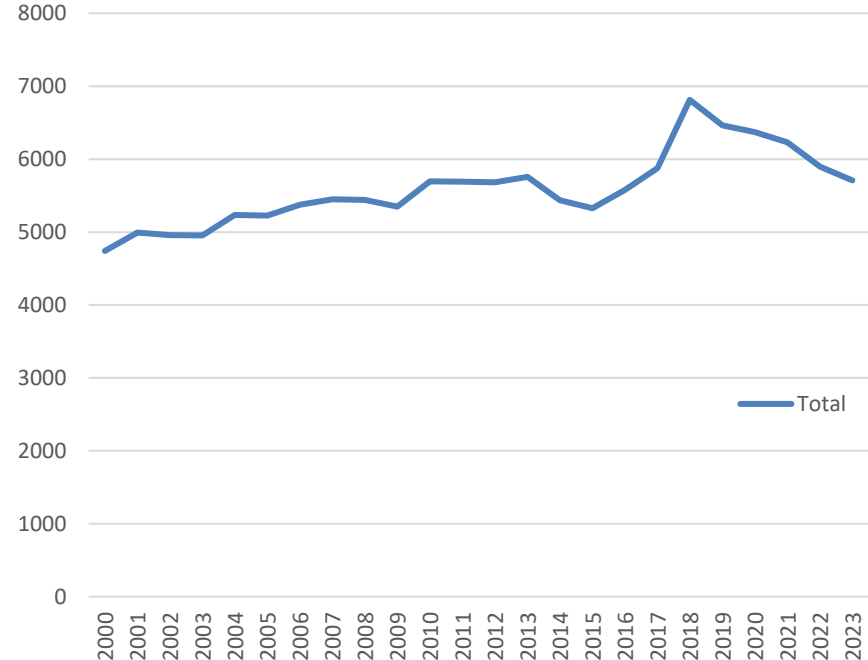
Gender	Events	% Events
F	42301	31,51
M	91941	68,49
Total	134242	

Year Events

2000	4741
2001	4992
2002	4960
2003	4954
2004	5234
2005	5227
2006	5376
2007	5449
2008	5442
2009	5347
2010	5694
2011	5692
2012	5681
2013	5755
2014	5438
2015	5326
2016	5577
2017	5876
2018	6813
2019	6463
2020	6371
2021	6229
2022	5897
2023	5708

Total	
Mean	
Average	134242 5593,417

Total



Age Range	Events	Age Range	Events
00-01	519	50-54	6737
01-04	876	55-59	9789
05-09	279	60-64	13243
10-14	347	65-69	16331
15-19	730	70-74	18276
20-24	1070	75-79	18667
25-29	1209	80-84	17051
30-34	1589	85-89	11899
35-39	2074	90-94	5098
40-44	2871	95-00	1224
45-49	4363	Total	134242

Groups	Description	Events	% events	Annual mean
I	Certain infectious and parasitic diseases	1534	1,14%	63,92
II	Neoplasms	2982	2,22%	124,25
III	IDiseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	39	0,03%	1,63
IV	Endocrine, nutritional and metabolic diseases	41417	30,85%	1725,71
V	Mental and behavioural disorders	37	0,03%	1,54
VI	Diseases of the nervous system	76	0,06%	3,17
VII	Diseases of the eye and adnexa	1	0,00%	0,04
VIII	Diseases of the ear and mastoid process	0	0,00%	0,00
IX	Diseases of the circulatory system	55286	41,18%	2303,58
X	Diseases of the respiratory system	532	0,40%	22,17
XI	Diseases of the digestive system	334	0,25%	13,92
XII	Diseases of the skin and subcutaneous tissue	3766	2,81%	156,92
XIII	Diseases of the musculoskeletal system and connective tissue	3918	2,92%	163,25
XIV	Diseases of the genitourinary system	356	0,27%	14,83
XV	Pregnancy, childbirth and the puerperium	5	0,00%	0,21
XVI	Certain conditions originating in the perinatal period	1	0,00%	0,04
XVII	Congenital malformations, deformations and chromosomal abnormalities	1408	1,05%	58,67
XVIII	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	2209	1,65%	92,04
XIX	Injury, poisoning and certain other consequences of external causes	19919	14,84%	829,96
XX	External causes of morbidity and mortality	258	0,19%	10,75
XXI	Factors influencing health status and contact with health services	88	0,07%	3,67
XXII	Codes for special purposes	76	0,06%	3,17
Total		134242	100,00%	

Years Total Average ICD_10

Description

Events

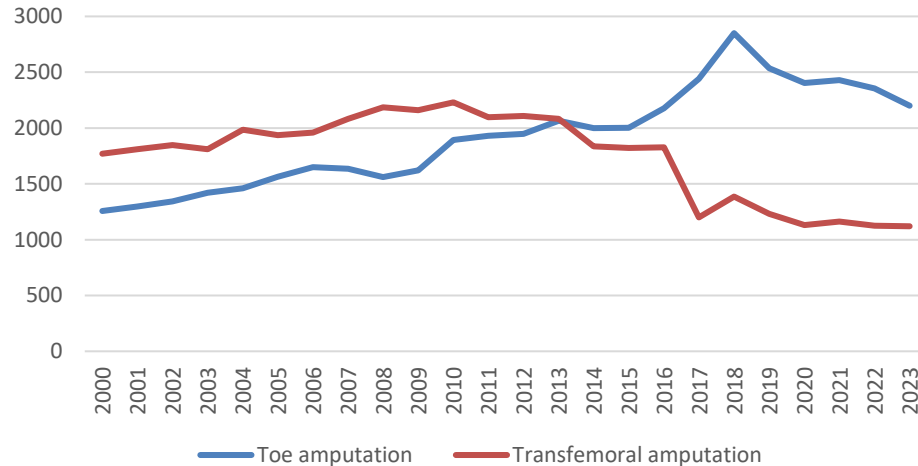
Years	Total	Average	ICD_10	Description	Events
00-01	441	18	XVII	Congenital malformations, deformations and chromosomal abnormalities	1112
01-04	671	28	XVII		
05-09	153	6	XIX	Injury, poisoning and certain other consequences of external causes	7848
10-14	233	10	XIX		
15-19	583	24	XIX		
20-24	893	37	XIX		
25-29	951	40	XIX		
30-34	1049	44	XIX		
35-39	1176	49	XIX		
40-44	1321	55	XIX		
45-49	1489	62	XIX		
50-54	2106	88	IV		
55-59	3505	146	IV		
60-64	4993	208	IV		
65-69	6619	276	IX	Diseases of the circulatory system	43109
70-74	7477	312	IX		
75-79	8675	361	IX		
80-84	8869	370	IX		
85-89	7208	300	IX		
90-94	3365	140	IX		
95-00	896	37	IX		

Year	Lower Limb						Upper Limb						Grand Total
	MAJOR		MINOR		Total	%	MAJOR		MINOR		Total	%	
	Total	%	Total	%			Total	%	Total	%			
2000	2366	49,91%	1570	33,12%	3936	83,02%	59	1,24%	746	15,74%	805	16,98%	4741
2001	2408	48,24%	1682	33,69%	4090	81,93%	73	1,46%	829	16,61%	902	18,07%	4992
2002	2481	50,02%	1664	33,55%	4145	83,57%	65	1,31%	750	15,12%	815	16,43%	4960
2003	2429	49,03%	1816	36,66%	4245	85,69%	44	0,89%	665	13,42%	709	14,31%	4954
2004	2621	50,08%	1893	36,17%	4514	86,24%	53	1,01%	667	12,74%	720	13,76%	5234
2005	2560	48,98%	1924	36,81%	4484	85,79%	51	0,98%	692	13,24%	743	14,21%	5227
2006	2565	47,71%	2072	38,54%	4637	86,25%	51	0,95%	688	12,80%	739	13,75%	5376
2007	2687	49,31%	2019	37,05%	4706	86,36%	49	0,90%	694	12,74%	743	13,64%	5449
2008	2782	51,12%	1920	35,28%	4702	86,40%	55	1,01%	685	12,59%	740	13,60%	5442
2009	2719	50,85%	1946	36,39%	4665	87,25%	37	0,69%	645	12,06%	682	12,75%	5347
2010	2785	48,91%	2276	39,97%	5061	88,88%	41	0,72%	592	10,40%	633	11,12%	5694
2011	2647	46,50%	2297	40,35%	4944	86,86%	53	0,93%	695	12,21%	748	13,14%	5692
2012	2652	46,68%	2344	41,26%	4996	87,94%	43	0,76%	642	11,30%	685	12,06%	5681
2013	2579	44,81%	2423	42,10%	5002	86,92%	33	0,57%	720	12,51%	753	13,08%	5755
2014	2267	41,69%	2371	43,60%	4638	85,29%	39	0,72%	761	13,99%	800	14,71%	5438
2015	2297	43,13%	2380	44,69%	4677	87,81%	25	0,47%	624	11,72%	649	12,19%	5326
2016	2383	42,73%	2583	46,32%	4966	89,04%	38	0,68%	573	10,27%	611	10,96%	5577
2017	2233	38,00%	3067	52,20%	5300	90,20%	36	0,61%	540	9,19%	576	9,80%	5876
2018	2465	36,18%	3701	54,32%	6166	90,50%	38	0,56%	609	8,94%	647	9,50%	6813
2019	2339	36,19%	3551	54,94%	5890	91,13%	27	0,42%	546	8,45%	573	8,87%	6463
2020	2181	34,23%	3656	57,39%	5837	91,62%	32	0,50%	502	7,88%	534	8,38%	6371
2021	2208	35,45%	3489	56,01%	5697	91,46%	23	0,37%	509	8,17%	532	8,54%	6229
2022	1995	33,83%	3369	57,13%	5364	90,96%	24	0,41%	509	8,63%	533	9,04%	5897
2023	1935	33,90%	3250	56,94%	5185	90,84%	30	0,53%	493	8,64%	523	9,16%	5708
Grand Total	58584	43,64%	59263	44,15%	117847	87,79%	1019	0,76%	15376	11,45%	16395	12,21%	134242

ACSS, 2024

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Toe amputation	1257	1296	1344	1420	1461	1563	1650	1635	1562	1621	1894	1931	1948	2066	1999	2001	2176	2440	2850	2536	2403	2429	2354	2201
Transfemoral amputation	1770	1809	1847	1809	1985	1935	1958	2083	2185	2160	2230	2098	2109	2083	1837	1822	1827	1200	1387	1231	1130	1161	1124	1120

Transfemoral amputation vs Toe amputation





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To take Home...

The comprehension of this health indicators is extremely important to understand how health policies can optimize the healthcare systems resources.

TACK!



Data base

ACSS - Administração Central do Sistema de Saúde, IP-Ministério da Saúde: “Base de Dados de Morbilidade Hospitalar 2000-2023, para episódios com amputações” (2024)