

Particle Therapy Patient Statistics (per end of 2019)

(Data collected by the Particle Therapy Co-Operative Group)

COUNTRY	WHERE SITE	PARTICLE	FIRST (-LAST) PATIENT	PATIENTS TOTAL	DATE OF TOTAL
Austria	Wiener Neustadt (MedAustron)	p	2017	549	Dec-19
Austria	Wiener Neustadt (MedAustron)	C-ion	2019	22	Dec-19
Belgium	Louvain-la-Neuve	p	1991 (-1993)	21	1993
Canada	Vancouver (TRIUMF)	π^-	1979 (-1994)	367	1994
Canada	Vancouver (TRIUMF)	p	1995 (-2017)	204	2017
Czech Rep.	Prag (PTCCZ)	p	2012	4702	Dec-19
China	Wanjie (WPTC)	p	2004	1635	Dec-19
China	Lanzhou	C-ion	2006 (-2013)	213	2013
China	Shanghai (SPHIC)	p	2014	147	Dec-19
China	Shanghai (SPHIC)	C-ion	2014	2249	Dec-19
China	Wuwei (WHITC)	C-ion	2019	46	Dec-19
Denmark	Aarhus (DCPT)	p	2019	50	Dec-19*
France	Nice (CAL)	p	1991	6741	Dec-19
France	Orsay (CPO)	p	1991	10122	Dec-19
France	Caen (Cyclad)	p	2019	133	Dec-19
Germany	Darmstadt (GSI)	C-ion	1997 (-2009)	440	2009
Germany	Berlin (HZB)	p	1998	3693	Dec-19
Germany	Munich (RPTC)	p	2009 (-2019)	4000	2019
Germany	HIT, Heidelberg	p	2009	2519	Dec-19
Germany	HIT, Heidelberg	C-ion	2009	3468	Dec-19
Germany	WPE, Essen	p	2013	2000	Dec-19
Germany	UPTD, Dresden	p	2014	980	Dec-19
Germany	MIT, Marburg	p	2015	550	Dec-19*
Germany	MIT, Marburg	C-ion	2015	430	Dec-19*
India	Apollo (Chennai)	p	2018	189	Mar-20
Italy	Catania (INFN-LNS)	p	2002	350	Dec-19
Italy	Pavia (CNAO)	p	2011	1110	Dec-19
Italy	Pavia (CNAO)	C ion	2012	1534	Dec-19
Italy	Trento (APSS)	p	2014	1000	Dec-19*
Japan	Chiba	p	1979 (-2002)	145	2002
Japan	Tsukuba (PMRC, 1)	p	1983 (-2000)	700	2000
Japan	Chiba (HIMAC)	p	1994	150	Dec-19
Japan	Chiba (HIMAC)	C ion	1994	13489	Dec-19
Japan	Kashiwa (NCC)	p	1998	3500	Dec-19*
Japan	Hyogo (HIBMC)	p	2001	6165	Dec-19
Japan	Hyogo (HIBMC)	C ion	2002	3037	Dec-19
Japan	WERC	p	2002 (-2009)	62	2009
Japan	Tsukuba (PMRC, 2)	p	2001	5811	Dec-19
Japan	Shizuoka (PTCC)	p	2003	2700	Dec-19*
Japan	Koriyama-City (STPTC)	p	2008	5300	Dec-19*
Japan	Gunma (GHMC)	C ion	2010	3821	Dec-19
Japan	Ibusuki (MMRI)	p	2011	3495	Dec-19
Japan	Fukui City (Prefectural Hospital)	p	2011	1600	Dec-19*
Japan	Nagoya (Nagoya PTC)	p	2013	2700	Dec-19*

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Japan	Tosu (Saga-HIMAT)	C ion	2013	4000	Dec-19*
Japan	Nagano (Aizawa PTC)	p	2014	420	Dec-19*
Japan	Hokkaido (Univ.Hospital PBTC)	p	2014	414	Dec-19
Japan	Kanagawa (i-Rock)	C-ion	2015	989	Dec-19
Japan	Kobe PTC	p	2017	300	Dec-19
Japan	Tsuyama Chuo PTC, Okayama	p	2016	250	Dec-19*
Japan	Hakuhokai Group PTC, Osaka	p	2017	150	Dec-19*
Japan	Narita Memorial PC, Toyohashi	p	2018	120	Dec-19*
Japan	Osaka Heavy Ion Therapy	C-ion	2018	400	Dec-19*
Japan	Hokkaido Ohno, Sapporo	p	2018	150	Dec-19*
Japan	Takai Hospital, Tenri	p	2018	150	Dec-19*
Japan	Nagamori Memorial H., Kyoto	p	2019	100	Dec-19*
Poland	Krakow (IFJ PAN)	p	2011	500	Dec-19*
Russia	Dubna (JINR, 1)	p	1967 (-1996)	124	1996
Russia	Moscow (ITEP)	p	1969	4368	Dec-19
Russia	St. Petersburg	p	1975 (-2018)	1386	2018
Russia	Dubna (JINR, 2)	p	1999	1299	Dec-19
Russia	St. Petersburg	p	2018	480	Dec-19*
Russia	MRRC, Obninsk	p	2018	270	Dec-19
South Africa	Capetown (iThemba LABS)	p	1993 (-2017)	524	2017
South Korea	Ilsan, Seoul (KNCC)	p	2007	3274	Dec-19
South Korea	Seoul (Samsung PTC)	p	2015	2300	Dec-19*
Spain	Quironsalud PTC, Madrid	p	2019	1	Dec-19
Sweden	Uppsala (1)	p	1957 (-1976)	73	1976
Sweden	Uppsala (2)	p	1989 (-2014)	1431	2014
Sweden	Uppsala (The Skandion Clinic)	p	2015	941	Dec-19
Switzerland	Villigen PSI (Piotron)	π^-	1980 (-1993)	503	1993
Switzerland	Villigen PSI (OPTIS 1)	p	1984 (-2010)	5458	2010
Switzerland	Villigen-PSI, incl OPTIS2	p	1996	3742	Dec-19
Taiwan	Taipei (Chang Gung Memorial)	p	2015	2345	Dec-19
The Netherlands	Groningen (UMC PTC)	p	2018	313	Dec-19
The Netherlands	Delft (Holland PTC)	p	2018	n.a.	Dec-19
The Netherlands	Maastricht (ZON PTC)	p	2019	10	Dec-19
United Kingdom	Clatterbridge	p	1989	3730	Dec-19
United Kingdom	Manchester (NHS)	p	2019	n.a.	Dec-19
USA, CA.	Berkeley 184	p	1954 (-1957)	30	1957
USA, CA.	Berkeley	He	1957 (-1992)	2054	1992
USA, NM.	Los Alamos	π^-	1974 (-1982)	230	1982
USA, CA.	Berkeley	ions	1975 (-1992)	433	1992
USA, MA.	Harvard (HCL)	p	1961 (-2002)	9116	2002
USA, CA.	Loma Linda (LLUMC)	p	1990	21200	Dec-19*
USA, IN.	Bloomington (MPRI, 1)	p	1993 (-1999)	34	1999
USA, CA.	UCSF - CNL	p	1994	2133	Dec-19
USA, MA.	Boston (NPTC)	p	2001	10982	Dec-19
USA, IN.	Bloomington (IU Health PTC)	p	2004 (-2014)	2200	2014
USA, TX.	Houston (MD Anderson)	p	2006	9360	Dec-19

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USA, FL	Jacksonville (UFHPTI)	p	2006	8730	Dec-19
USA, OK.	Oklahoma City (ProCure PTC)	p	2009	3000	Oct-19
USA, PA.	Philadelphia (UPenn)	p	2010	6700	Dec-19
USA, IL.	Chicago (NW Chicago PTC)	p	2010	5200	Dec-19*
USA, VA.	Hampton (HUPTI)	p	2010	3700	Dec-19*
USA, NY.	New Jersey (ProCure PTC)	p	2012	4500	Dec-19*
USA, WA	Seattle (SCCA ProCure PTC)	p	2013	2803	Dec-19
USA, MO.	St. Louis (S. Lee King PTC)	p	2013	1100	Dec-19*
USA, TN.	Knowville (Provision Cares PTC)	p	2014	3009	Dec-19
USA, CA.	San Diego (Californoa PCTC)	p	2014	3600	Dec-19*
USA, LA.	Shreveport (Willis Knighton)	p	2014	688	Dec-19
USA, FL.	Jacksonville (Ackerman CC)	p	2015	738	Dec-17
USA, MN.	Rochester (Mayo PBTC)	p	2015	3399	Dec-19
USA, NJ.	Brunswick (Laurie PC)	p	2015	650	Dec-19*
USA, TX.	Irving (Texas Center for PT)	p	2015	2100	Dec-19*
USA, TN.	Memphis (St.Jude Red Frog)	p	2015	1000	Dec-19*
USA, AZ.	Phoenix (Mayo PBTC)	p	2016	2000	Dec-19*
USA, MD.	Baltimore (Maryland PTC)	p	2016	2131	Dec-19
USA, OH.	Cincinnati (Children's PTC)	p	2016	1250	Dec-19*
USA, FL.	Orlando (Orlando Health PTC)	p	2016	591	Dec-19
USA, OH.	Cleveland (UH Sideman PTC)	p	2016	500	Dec-19*
USA, MI.	Detroit (Beaumont Health PTC)	p	2017	450	Dec-19*
USA, FL.	Miami (Baptist Hospitals PTC)	p	2017	500	Dec-19
USA, GA.	Atlanta (Emory PTC)	p	2018	356	Dec-19
USA, D.C.	Washington (MedStar PTC)	p	2018	300	Dec-19*
USA, TN.	Nashville (Provision Care PTC)	p	2018	300	Dec-19*
USA, OK.	Oklahoma (Stephenson CC)	p	2019	100	Dec-19*
USA, MI.	Flint (Mc Laren PTC)	p	2019	56	Dec-19
USA, NY.	New York (New York PTC)	p	2019	163	Dec-19
USA, DC.	Washington (Johns HopkinsPC)	p	2019	50	Dec-19*
USA, FL.	Delray Beach (SFPTI)	p	2019	50	Dec-19*
USA, FL.	Jacksonville (UFHPTI)	p	2019	10	Dec-19*
Summary, 1954-2019					
			PARTICLES	PATIENTS TOTAL	DATES OF TOTAL
Total of all facilities (in and out of operation):			He	2054	1957-1992
			Pions	1100	1974-1994
			C-ions	34138	1994-2019
			Other ions	433	1975-1992
			Protons	222425	1954-2019
			Grand Total	260150	1954-2019

*= estimated or not yet confirmed

n.a.= no data available