

Particle Therapy Patient Statistics (per end of 2021)

(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	1034	Dec-21
Austria	Wiener Neustadt (MedAustron)	C-ion	2019	227	Dec-21
Belgium	Louvain-la-Neuve	p	1991 (-1993)	21	1993
Belgium	Uni Leuven PTC, Leuven	p	2020	80	Dec-21
Canada	Vancouver (TRIUMF)	π^-	1979 (-1994)	367	1994
Canada	Vancouver (TRIUMF)	p	1995 (-2017)	204	2017
Czech Rep.	Prag (PTCCZ)	p	2012	7749	Dec-21
China	Wanjie (WPTC)	p	2004	2018	Dec-21
China	Lanzhou	C-ion	2006 (-2013)	213	2013
China	Shanghai (SPHIC)	p	2014	420	Dec-21
China	Shanghai (SPHIC)	C-ion	2014	2520	Dec-21
China	Shanghai (SPHIC)	C-ion, p ⁽¹⁾	2014	1266	Dec-21
China	Wuwei (WHITC)	C-ion	2019	250	Dec-21*
China	Shanghai (Ruijin Hospital)	p	2021	2	Dec-21
Denmark	Aarhus (DCPT)	p	2019	458	Dec-21
France	Nice (CAL)	p	1991	7499	Dec-21
France	Orsay (CPO)	p	1991	11337	Dec-21
France	Caen (Cyclhad)	p	2019	434	Dec-21
Germany	Darmstadt (GSI)	C-ion	1997 (-2009)	440	2009
Germany	Berlin (HZB)	p	1998	4201	Dec-21
Germany	Munich (RPTC)	p	2009 (-2019)	4000	2019
Germany	HIT, Heidelberg	p	2009	3200	Dec-21*
Germany	HIT, Heidelberg	C-ion	2009	4100	Dec-21*
Germany	WPE, Essen	p	2013	3032	Dec-21
Germany	UPTD, Dresden	p	2014	1488	Dec-21
Germany	MIT, Marburg	p	2015	850	Dec-21*
Germany	MIT, Marburg	C-ion	2015	700	Dec-21*
India	Apollo (Chennai)	p	2018	650	Dec-21
Italy	Catania (INFN-LNS)	p	2002	350	Dec-21
Italy	Pavia (CNAO)	p	2011	1771	Dec-21
Italy	Pavia (CNAO)	C ion	2012	2062	Dec-21
Italy	Trento (APSS)	p	2014	1564	Dec-21
Japan	Chiba	p	1979 (-2002)	145	2002
Japan	Tsukuba (PMRC, 1)	p	1983 (-2000)	700	2000
Japan	Chiba (HIMAC)	p	1994	180	Dec-21*
Japan	Chiba (HIMAC)	C ion	1994	13970	Dec-21
Japan	Kashiwa (NCC)	p	1998	4100	Dec-21*
Japan	Hyogo (HIBMC)	p	2001	6527	Dec-21
Japan	Hyogo (HIBMC)	C ion	2002	3184	Dec-21
Japan	WERC	p	2002 (-2009)	62	2009
Japan	Tsukuba (PMRC, 2)	p	2001	6800	Dec-21*
Japan	Shizuoka (PTCC)	p	2003	2750	Dec-21*
Japan	Koriyama-City (STPTC)	p	2008	6100	Dec-21*
Japan	Gunma (GHMC)	C ion	2010	5325	Dec-21

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Japan	Ibusuki (MMRI)	p	2011	4627	Dec-21
Japan	Fukui City (Prefectural Hospital)	p	2011	1661	Dec-21
Japan	Nagoya (Nagoya PTC)	p	2013	3500	Dec-21*
Japan	Tosu (Saga-HIMAT)	C ion	2013	5600	Dec-21*
Japan	Nagano (Aizawa PTC)	p	2014	600	Dec-21*
Japan	Hokkaido (Univ.Hospital PBTC)	p	2014	650	Dec-21*
Japan	Kanagawa (i-Rock)	C-ion	2015	2053	Dec-21
Japan	Kobe PTC	p	2017	758	Dec-21
Japan	Tsuyama Chuo PTC, Okayama	p	2016	500	Dec-21*
Japan	Hakuhokai Group PTC, Osaka	p	2017	400	Dec-21*
Japan	Narita Memorial PC, Toyohashi	p	2018	300	Dec-21*
Japan	Osaka Heavy Ion Therapy	C-ion	2018	900	Dec-21*
Japan	Hokkaido Ohno, Sapporo	p	2018	350	Dec-21*
Japan	Takai Hospital, Tenri	p	2018	350	Dec-21*
Japan	Nagamori Memorial H., Kyoto	p	2019	400	Dec-21*
Poland	Krakow (IFJ PAN)	p	2011	830	Dec-21*
Russia	Dubna (JINR, 1)	p	1967 (-1996)	124	1996
Russia	Moscow (ITEP)	p	1969	4368	Dec-21
Russia	St. Petersburg	p	1975 (-2018)	1386	2018
Russia	Dubna (JINR, 2)	p	1999	1299	Dec-21
Russia	St. Petersburg (MIBS)	p	2018	600	Dec-21*
Russia	MRRC, Obninsk	p	2018	632	Dec-21
South Africa	Capetown (iThemba LABS)	p	1993 (-2017)	524	2017
South Korea	Ilsan, Seoul (KNCC)	p	2007	4300	Dec-21*
South Korea	Seoul (Samsung PTC)	p	2015	4289	Dec-21
Spain	Quironsalud PTC, Madrid	p	2019	228	Dec-21
Spain	CUN PTC, Madrid	p	2020	263	Dec-21
Sweden	Uppsala (1)	p	1957 (-1976)	73	1976
Sweden	Uppsala (2)	p	1989 (-2014)	1431	2014
Sweden	Uppsala (The Skandion Clinic)	p	2015	1550	Dec-21
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	4401	Dec-21
Taiwan	Taipei (Chang Gung Memorial)	p	2015	3500	Dec-21*
The Netherlands	Groningen (UMC PTC)	p	2018	1024	Dec-21
The Netherlands	Delft (Holland PTC)	p	2018	750	Mar-22
The Netherlands	Maastricht (ZON PTC)	p	2019	494	Dec-21
United Kingdom	Clatterbridge	p	1989	4128	Dec-21
United Kingdom	Manchester (NHS)	p	2019	706	Dec-21
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	22500	Dec-21*
USA, IN.	Bloomington (MPRI, 1)	p	1993 (-1999)	34	1999
USA, CA.	UCSF - CNL	p	1994	2298	Dec-21
USA, MA.	Boston (NPTC)	p	2001	11911	Dec-21

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USA, IN.	Bloomington (IU Health PTC)	p	2004 (-2014)	2200	2014
USA, TX.	Houston (MD Anderson)	p	2006	10600	Dec-21*
USA, FL	Jacksonville (UFHPTI)	p	2006	9878	Dec-21
USA, OK.	Oklahoma City (ProCure PTC)	p	2009	3600	Oct-21*
USA, PA.	Philadelphia (UPenn)	p	2010	7900	Dec-21*
USA, IL.	Chicago (NW Chicago PTC)	p	2010	5350	Dec-21*
USA, VA.	Hampton (HUPTI)	p	2010	4500	Dec-21*
USA, NY.	New Jersey (ProCure PTC)	p	2012	6016	Dec-21
USA, WA	Seattle (SCCA ProCure PTC)	p	2013	4000	Apr-22
USA, MO.	St. Louis (S. Lee King PTC)	p	2013	1192	Dec-21
USA, TN.	Knowville (Provision Cares PTC)	p	2014	3906	Dec-21
USA, CA.	San Diego (California PCTC)	p	2014	4800	Dec-21*
USA, LA.	Shreveport (Willis Knighton)	p	2014	986	Dec-21
USA, FL.	Jacksonville (Ackerman CC)	p	2015	2000	Apr-21
USA, MN.	Rochester (Mayo PBTC)	p	2015	5922	Dec-21
USA, NJ.	Brunswick (Laurie PC)	p	2015	800	Dec-21*
USA, TX.	Irving (Texas Center for PT)	p	2015	2800	Dec-21*
USA, TN.	Memphis (St.Jude Red Frog)	p	2015	1550	Dec-21*
USA, AZ.	Phoenix (Mayo PBTC)	p	2016	2834	Dec-21
USA, MD.	Baltimore (Maryland PTC)	p	2016	3200	Dec-21*
USA, OH.	Cincinnati (Children's PTC)	p	2016	2100	Dec-21*
USA, FL.	Orlando (Orlando Health PTC)	p	2016	1000	Dec-21*
USA, OH.	Cleveland (UH Sideman PTC)	p	2016	650	Dec-21*
USA, MI.	Detroit (Beaumont Health PTC)	p	2017	800	Dec-21*
USA, FL.	Miami (Baptist Hospitals PTC)	p	2017	1431	Dec-21
USA, GA.	Atlanta (Emory PTC)	p	2018	1903	Dec-21
USA, D.C.	Washington (MedStar PTC)	p	2018	700	Dec-21*
USA, TN.	Nashville (Provision Care PTC)	p	2018	750	Dec-21*
USA, OK.	Oklahoma (Stephenson CC)	p	2019	350	Dec-21*
USA, MI.	Flint (Mc Laren PTC)	p	2019	464	Dec-21
USA, NY.	New York (New York PTC)	p	2019	1694	Dec-21
USA, DC.	Washington (Johns HopkinsPC)	p	2019	600	Dec-21*
USA, FL.	Delray Beach (SFPTI)	p	2019	250	Dec-21*
USA, VA.	Inova Schar Cancer I, Fairfax	p	2020	160	Dec-21*
USA, AL.	Univ. of Alabama PTC, Birmingham	p	2020	150	Dec-21*
USA, FL.	UM Sylvester Dvoskin, Miami	p	2020	100	Dec-21*
USA, MA.	Gordon Browne, Boston	p	2020	200	Dec-21*
USA, UT.	Huntsman, Cancer Institute	p	2021	50	Dec-21*
Summary, 1954-2021			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	41544	1994-2021
*= estimated or not yet confirmed			Other ions	433	1975-1992
⁽¹⁾ = protons as boost			Protons	279455	1954-2021
n.a.= no data available			Grand Total	324586	1954-2021