

## Particle Therapy Patient Statistics (per end of 2017)

(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	79	Dec-17
Belgium	Louvain-la-Neuve	p	1991 (-1993)	21	1993
Canada	Vancouver (TRIUMF)	$\pi^-$	1979 (-1994)	367	1994
Canada	Vancouver (TRIUMF)	p	1995	204	Dec-17
Czech Rep.	Prag (PTCCZ)	p	2012	2428	Dec-17
China	Wanjie (WPTC)	p	2004	1368	Dec-17
China	Lanzhou	C-ion	2006	213	Dec-17
China	Shanghai (SPHIC)	p	2014	347	Dec-17
China	Shanghai (SPHIC)	C-ion	2014	723	Dec-17
England	Clatterbridge	p	1989	3223	Dec-17
France	Nice (CAL)	p	1991	6085	Dec-17
France	Orsay (CPO)	p	1991	8795	Dec-17
Germany	Darmstadt (GSI)	C-ion	1997 (-2009)	440	2009
Germany	Berlin (HZB)	p	1998	3180	Dec-17
Germany	Munich (RPTC)	p	2009	3478	Dec-17
Germany	HIT, Heidelberg	p	2009	1800	Dec-17*
Germany	HIT, Heidelberg	C-ion	2009	2800	Dec-17*
Germany	WPE, Essen	p	2013	995	Dec-17
Germany	UPTD, Dresden	p	2014	500	Feb-18
Germany	MIT, Marburg	p	2015	120	Dec-17*
Germany	MIT, Marburg	C-ion	2015	200	Dec-17*
Italy	Catania (INFN-LNS)	p	2002	350	Dec-17
Italy	Pavia (CNAO)	p	2011	565	Dec-17
Italy	Pavia (CNAO)	C ion	2012	1044	Dec-17
Italy	Trento (APSS)	p	2014	387	Dec-17
Japan	Chiba	p	1979 (-2002)	145	2002
Japan	Tsukuba (PMRC, 1)	p	1983 (-2000)	700	2000
Japan	Chiba (HIMAC)	p	1994	150	Dec-17*
Japan	Chiba (HIMAC)	C ion	1994	11964	Mar-18
Japan	Kashiwa (NCC)	p	1998	2750	Dec-17*
Japan	Hyogo (HIBMC)	p	2001	5711	Dec-17
Japan	Hyogo (HIBMC)	C ion	2002	2701	Dec-17
Japan	WERC	p	2002 (-2009)	62	2009
Japan	Tsukuba (PMRC, 2)	p	2001	5100	Dec-17*
Japan	Shizuoka (PTCC)	p	2003	2100	Dec-17*
Japan	Koriyama-City (STPTC)	p	2008	4200	Dec-17*
Japan	Gunma (GHMC)	C ion	2010	2711	Mar-18
Japan	Ibusuki (MMRI)	p	2011	2371	Dec-17
Japan	Fukui City (Prefectural Hospital)	p	2011	1000	Dec-17*
Japan	Nagoya (Nagoya PTC)	p	2013	2000	Dec-17*
Japan	Tosu (Saga-HIMAT)	C ion	2013	2583	Mar-18
Japan	Nagano (Aizawa PTC)	p	2014	220	Dec-17*
Japan	Hokkaido (Univ.Hospital PBTC)	p	2014	250	Dec-17*
Japan	Kanagawa (i-Rock)	C-ion	2015	323	Dec-17

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Japan	Kobe PTC	p	2017	5	Dec-17
Poland	Krakow (IFJ PAN)	p	2011	276	Dec-17
Russia	Dubna (1)	p	1967 (-1996)	124	1996
Russia	Moscow (ITEP)	p	1969	4368	Dec-17
Russia	St. Petersburg	p	1975	1386	Dec-17
Russia	Dubna (JINR, 2)	p	1999	1250	Dec-17*
South Africa	Capetown (iThemba LABS)	p	1993 (-2017)	524	2017
South Korea	Ilsan, Seoul (KNCC)	p	2007	2300	Dec-17*
South Korea	Seoul (Samsung PTC)	p	2015	900	Dec-17*
Sweden	Uppsala (1)	p	1957 (-1976)	73	1976
Sweden	Uppsala (2)	p	1989 (-2014)	1431	2014
Sweden	Uppsala (The Skandion Clinic)	p	2015	407	Dec-17
Switzerland	Villigen PSI (Piotron)	$\pi^-$	1980 (-1993)	503	1993
Switzerland	Villigen PSI (OPTIS 1)	p	1984 (-2010)	5458	2010
Switzerland	Villigen-PSI, incl OPTIS2	p	1996	2990	Dec-17
Taiwan	Taipei (Chang Gung Memorial)	p	2015	1010	Dec-17
USA, CA.	Berkeley 184	p	1954 (-1957)	30	1957
USA, CA.	Berkeley	He	1957 (-1992)	2054	1992
USA, NM.	Los Alamos	$\pi^-$	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	20000	Dec-17*
USA, IN.	Bloomington (MPRI, 1)	p	1993 (-1999)	34	1999
USA, CA.	UCSF - CNL	p	1994	2015	Nov 17
USA, MA.	Boston (NPTC)	p	2001	9764	Dec-17
USA, IN.	Bloomington (IU Health PTC)	p	2004 (-2014)	2200	2014
USA, TX.	Houston (MD Anderson)	p	2006	8100	Dec-17*
USA, FL	Jacksonville (UFPTI)	p	2006	7387	Dec-17
USA, OK.	Oklahoma City (ProCure PTC)	p	2009	2725	Dec-17
USA, PA.	Philadelphia (UPenn)	p	2010	5000	Jan-18
USA, IL.	CDH Warrenville	p	2010	3500	Dec-17*
USA, VA.	Hampton (HUPTI)	p	2010	2124	Dec-17
USA, NY.	New Jersey (ProCure PTC)	p	2012	3405	Dec-17
USA, WA	Seattle (SCCA ProCure PTC)	p	2013	1750	Dec-17*
USA, MO.	St. Louis (S. Lee King PTC)	p	2013	661	Dec-17
USA, TN.	Knowville (Provision Center)	p	2014	1802	Dec-17
USA, CA.	San Diego (Californoa PCTC)	p	2014	1800	Dec-17*
USA, LA.	Shreveport (Willis Knighton)	p	2014	399	Dec-17
USA, FL.	Jacksonville (Ackerman CC)	p	2015	738	Dec-17
USA, MN.	Rochester (Mayo PBTC)	p	2015	1370	Dec-17
USA, NJ.	Brunswick (Laurie PC)	p	2015	250	Dec-17
USA, TX.	Irving (Texas Center for PT)	p	2015	850	Dec-17*
USA, TN.	Memphis (St.Jude Red Frog)	p	2015	300	Dec-17*
USA, AZ.	Phoenix (Mayo PBTC)	p	2016	592	Dec-17
USA, MD.	Baltimore (Maryland PTC)	p	2016	772	Dec-17
USA, OH.	Cincinnati (Children's PTC)	p	2016	239	Dec-17
USA, FL.	Orlando (Orlando Health PTC)	p	2016	227	Dec-17
USA, OH.	Cleveland (UH Sideman PTC)	p	2016	150	Dec-17*

WHERE		PARTICLE	FIRST (-LAST) PATIENT	PATIENTS TOTAL	DATE OF TOTAL
COUNTRY	SITE				
USA, MI.	Detroit (Beaumont Health PTC)	p	2017	50	Dec-17*
USA, FL.	Miami (Baptist Hospitals PTC)	p	2017	20	Dec-17*
<b>Summary, 1954-2017</b>					
		PARTICLES	PATIENTS TOTAL	DATES OF TOTAL	
<b>Total of all facilities (in and out of operation):</b>		<b>He</b>	<b>2054</b>	1957-1992	
		<b>Pions</b>	<b>1100</b>	1974-1994	
		<b>C-ions</b>	<b>25702</b>	1994-2017	
		<b>Other ions</b>	<b>433</b>	1975-1992	
		<b>Protons</b>	<b>170556</b>	1954-2017	
		<b>Grand Total</b>	<b>199845</b>	1954-2017	

\*= estimated or not yet confirmed