

**Hadron Therapy Patient Statistics (data received from centers per end of March 2013)**

**Patient Statistics (for the facilities out of operation):**

WHERE		PARTICLE	FIRST PATIENT	PATIENT TOTAL	LAST PATIENT	
Belgium	Louvain-la-Neuve	p	1991	21	1993	ocular tumors only
Canada	Vancouver (TRIUMF)	$\pi^-$	1979	367	1994	ocular tumors only
Germany	Darmstadt (GSI)	C-ion	1997	440	2009	
Japan	Tsukuba (PMRC, 1)	p	1983	700	2000	
Japan	Chiba	p	1979	145	2002	ocular tumors only
Japan	WERC	p	2002	62	2009	
Russia	Dubna (1)	p	1967	124	1996	
Sweden	Uppsala (1)	p	1957	73	1976	
Switzerland	Villigen PSI (SIN-Piontron)	$\pi^-$	1980	503	1993	
Switzerland	Villigen PSI (OPTIS 1)	p	1984	5458	2010	ocular tumors only
CA., USA	Berkeley 184	p	1954	30	1957	
CA., USA	Berkeley	He	1957	2054	1992	
CA., USA	Berkeley	ion	1975	433	1992	
IN., USA	Bloomington (MPRI, 1)	p	1993	34	1999	ocular tumors only
MA., USA	Harvard	p	1961	9116	2002	
NM., USA	Los Alamos	$\pi^-$	1974	230	1982	
				<b>19790 Total</b>		
				thereof	2054 He	
					1100 pions	
					440 C-ions	
					433 other ions	
					15763 protons	

**Patient Statistics (for facilities in operation end of 2012):**

WHERE		PARTICLE	FIRST PATIENT	PATIENT TOTAL	DATE OF TOTAL	
Canada	Vancouver (TRIUMF)	p	1995	170	Dec-12	ocular tumors only
Czech Rep.	Prag (PTCCZ)	p	2012	1	Dec-12	
China	Wanjie (WPTEC)	p	2004	1078	Dec-12	
China	Lanzhou	C ion	2006	194	Dec-12	
England	Clatterbridge	p	1989	2297	Dec-12	ocular tumors only
France	Nice (CAL)	p	1991	4692	Dec-12	ocular tumors only
France	Orsay (CPO)	p	1991	5949	Dec-12	4748 ocular tumors
Germany	Berlin (HMI)	p	1998	2084	Dec-12	ocular tumors only
Germany	Munich (RPTC)	p	2009	1377	Dec-12	
Germany	HIT, Heidelberg	C ion	2010	980	Dec-12	
Germany	HIT, Heidelberg	p	2010	252	Dec-12	
Italy	Catania (INFN-LNS)	p	2002	293	Nov-12	ocular tumors only
Italy	Pavia (CNAO)	p	2011	53	Nov-12	
Italy	Pavia (CNAO)	C ion	2011	0	Nov-12	
Japan	Chiba (HIMAC)	C ion	1994	7331	Jan-13	72 with scanning
Japan	Kashiwa (NCC)	p	1998	772	Dec-10	
Japan	Hyogo (HIBMC)	p	2001	3198	Dec-11	
Japan	Hyogo (HIBMC)	C ion	2002	1271	Dec-11	
Japan	Tsukuba (PMRC, 2)	p	2001	2516	Dec-12	
Japan	Shizuoka	p	2003	1365	Dec-12	
Japan	Koriyama-City	p	2008	1812	Dec-12	
Japan	Gunma	C ion	2010	537	Dec-12	
Japan	Ibusuki (MMRI)	p	2011	490	Dec-12	
Korea	Ilsan, Seoul	p	2007	1041	Dec-12	
Poland	Krakow	p	2011	15	Dec-12	ocular tumors only
Russia	Moscow (ITEP)	p	1969	4300	Dec-12	estimated
Russia	St. Petersburg	p	1975	1386	Dec-12	
Russia	Dubna (JINR, 2)	p	1999	922	Dec-12	
South Africa	iThemba LABS	p	1993	521	Dec-11	
Sweden	Uppsala (2)	p	1989	1267	Dec-12	
Switzerland	Villigen-PSI, incl OPTIS2	p	1996	1409	Dec-12	498 ocular tumors
USA, CA.	UCSF - CNL	p	1994	1515	Dec-12	ocular tumors only
USA, CA.	Loma Linda (LLUMC)	p	1990	16884	Dec-12	
USA, IN.	Bloomington (IU Health PTC)	p	2004	1688	Dec-12	
USA, MA.	Boston (NPTC)	p	2001	6550	Oct-12	
USA, TX.	Houston (MD Anderson)	p	2006	3909	Dec-12	
USA, FL.	Jacksonville (UFPTI)	p	2006	4272	Dec-12	
USA, OK.	Oklahoma City (ProCure PTC)	p	2009	1045	Dec-12	
USA, PA.	Philadelphia (UPenn)	p	2010	1100	Dec-12	
USA, NY.	New Jersey ProCure PTC)	p	2012	137	Dec-12	
USA, IL.	CDH Warrenville	p	2010	840	Dec-12	
USA, VA.	Hampton (HUPTI)	p	2010	489	Dec-12	
				<b>88002 Total</b>		
				thereof	10313 C-ions	
					77689 protons	

**Total for all facilities (in operation and out of operation):**

2054 He  
 1100 pions  
 10753 C-ions  
 433 other ions  
 93452 protons  
**107792 Grand Total**