

Supplementary 1: HSCT data in 2021

	allogeneic																				autologous			Total		
	family												unrelated					Allo	Auto	Total						
	HLA - id sibling				*Haplo(≥ 2 loci mismatch)			Other related				twin														
	BM	PB	CB	other mixtures	BM	PB	other mixtures	BM	PB	CB	other mixtures	BM	PB	other mixtures	BM	PB	CB	other mixtures	BM	PB	other mixtures					
Australia	30	165	0	0	6	124	0	1	7	0	0	1	1	0	14	315	22	0	2	1166	0	686	1168	1854		
Bangladesh	0	10	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	11	30	41		
China	2559				7977				0				12				0	1554	654	0	5354			12756	5354	18110
Hong Kong	4	26	0	1	0	74	0	0	0	0	0	0	0	0	1	22	2	0	1	63	1	130	65	195		
India	65	573	0	6	36	621	1	10	45	0	0	2	8	0	5	128	0	0	6	990	1	1500	997	2497		
Indonesia	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	3	4		
Iran	0	231	0	0	0	70	1	0	37	0	0	0	0	0	0	49	1	0	27	435	0	389	462	851		
Japan	126	336	0	1	56	582	6	28	111	0	2	0	2	0	878	303	1302	0	7	2110	2	3733	2119	5852		
Korea	11	477	0	0	1	564	2	0	0	0	0	0	0	0	0	659	58	0	0	1385	1	1772	1386	3158		
Malaysia	4	128	0	0	4	29	3	0	0	0	0	0	0	0	0	11	0	0	1	211	0	179	212	391		
Mongolia	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	1	6	7		
Myanmar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Nepal	0	11	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	23	3	26		
New Zealand	4	20	0	0	5	26	0	1	0	0	0	0	0	0	6	46	4	0	1	231	0	112	232	344		
Pakistan	84	36	0	15	13	5	3	0	0	0	0	0	0	0	0	0	0	0	0	48	0	156	48	204		
Philippines	0	5	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	21	0	24	21	45		
Singapore	2	24	0	0	0	42	0	0	0	0	0	0	0	0	2	28	1	0	1	110	0	99	111	210		
Sri Lanka	4	1	0	0	2	8	0	0	0	0	0	0	0	0	0	0	0	0	0	57	0	15	57	72		
Taiwan	2	49	0	0	0	52	30	0	0	0	0	0	1	0	1	95	2	0	4	186	0	232	190	422		
Thailand	10	50	0	0	0	25	0	0	0	0	0	0	0	0	0	23	0	0	7	230	0	108	237	345		
Uzbekistan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	9	9		
Vietnam	1	40	0	0	0	24	0	0	0	0	0	0	0	0	0	0	1	0	0	51	0	66	51	117		
Total																								21993	12761	34754

Supplementary 2

All facilities contributing to the activity survey reported in this article are listed here.

Australia

Alfred Hospital, Box Hill Hospital, Canberra Hospital, Concord Hospital, Geelong Hospital, Gosford Hospital, Liverpool Hospital, Mater Hospital Brisbane, Nepean Hospital, Calvary Mater Hospital Newcastle, Peter MacCallum Cancer Centre, Prince of Wales Hospital, Princess Alexandra Hospital, Princess Margaret Hospital for Children, Royal Adelaide Hospital, Lady Cilento Children's Hospital, Royal Brisbane Hospital, Royal Children's Hospital Melbourne, Royal Hobart Hospital, Royal Melbourne Hospital, Royal North Shore Hospital, Royal Perth Hospital, Royal Prince Alfred Hospital, Sir Charles Gairdner Hospital, St George Hospital, St Vincent's Hospital Sydney, St Vincent's Hospital Melbourne, Sydney Children's Hospital, The Children's Hospital at Westmead, Townsville Hospital, Wesley Clinic, Westmead Hospital, Wollongong Hospital, Austin Hospital, Flinders Medical Centre, Fiona Stanley Hospital, Gold Coast University Hospital

Bangladesh

Dhaka Medical College and Hospital, Combined Military Hospital, Evercare Hospital Dhaka, Asgar Ali Hospital Dhaka

Hong Kong

Queen Mary Hospital-The University of Hong Kong, Hong Kong Children Hospital, Queen Elizabeth Hospital, Princess Margaret Hospital

India

Christian Medical College, Army Research and Referral Hospital, ACYREC Tata Memorial Centre, All India Institute of Medical Science, Sahyadri Specialty Hospital, Jaslok Hospital and Research Center, Mazumdar Shaw Medical Centre, Narayan Health City, Gujarat Cancer and Research Institute, Rajiv Gandhi Cancer Institute and Research Center, Postgraduate Institute of Medical Education and Research, Manipal Hospital, Prince Aly Khan Hospital, Ruby Hall Clinic, Sir Ganga Ram Hospital, Christian Medical College, Apollo Cancer Specialty Hospital, St. John's Medical College & Hospital, Netaji Subhaschandra Bose Cancer Research Institute, Sterling Hospitals, Deenanath Mangeshkar

Hospital& Research Center, Dr. B.L. Kapur Memorial Hospital, Dr. B.R.A. Institute Rotary Cancer Hospital, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Apollo Comprehensive Blood & Cancer Centre, HCG Hospital, HCG Cancer Centre, Nil Ratan Sircar Medical College and Hospital, Columbia Asia Referral Hospital, Institute of Haematology and Transfusion Medicine, Medical College & Hospital, Cancer Institute (WIA), Tata Medical Center, Kovai Medical College and Hospital, Lotus Hospital, Max Super Specialty Hospital, Amrita Institute of Medical Sciences and Research Centre, Malabar Cancer Centre, Fortis Memorial Research Institute, Saroj Gupta Cancer Centre and Research Institute, Indraprastha Apollo Hospitals/Ahmedabad, M S Ramaiah Medical College, Yashoda Hospital, Meenakshi Mission Hospital and Research Center, Apollo Gleneagles Cancer Hospital, Sri Ramachandra Institute of Higher Education and Research, Max Super Specialty Hospital Shalimar Bagh, Command Hospital Air Force, Armed Forces Medical College and Command Hospital, LTM Lokmanya Tilak Municipal Medical College and Hospital, PD Hinduja National Hospital and MRC, Kokilaben Dhirubhai Ambani Hospital, Manipal Hospital, Medanta-The Medicity Hospital, Gleneagles Global Health City Chennai, Kamalnayan Bajaj Hospital & Marathwada Medical & Research

Institute , Sher-i-Kashmir Institute of Medical Sciences, Jawaharlal Institute of Postgraduate Medical Education and Research, Aster Aadhar Hospital, Aster Medcity Hospital, Shri Siddhivinayak Ganpati Cancer Hospital, Rajagiri Hospital, Bangalore Baptist Hospital, Max Super Speciality Hospital SAKET, Sterling Cancer Hospital, MCGM -Comprehensive thalassemia care , Aster CMI Hospital, Paras HMRI Hospital Patna, Jaypee Hospital, Fortis Hospital/Mulund, SRCC Children's Hospital, Basavatarakam Indo-American Cancer Hospital and Research Center, Sri Aurobindo Institute of Medical Sciences, Dayanand Medical College and Hospital, Himalayan Institute of Medical Sciences , Kailash Cancer Hospital and Research Center, Dr Rela Institute & Medical Centre, Apollo Hospitals/Navi Mumbai, Fortis Hospital, Cytecure Cancer Hospitals, Krishna Institute of Medical Sciences, Sparsh Super Speciality Hospital, Believers Church Medical College Hospital, Kanchi Kamakoti Childs Trust Hospital, HCG EKO Cancer Centre, Command Hospital (EC), Kolhapur Cancer Centre , MIT Hospital & Research Institute

Indonesia

Dr. Kariadi Hospital, Dr. Cipto Mangunkusuma Hospital, dr. Soetomo Hospital

Iran

Shariati Hospital, Imam Khomeini Hospital, Amir Kola Hospital, Montaserieh Hospital, Children's Medical Center, Shahid Ghazi Hospital, Seyed Al-Shohada Hospital, Firoozgar Hospital, Shiraz Hospital

Japan

Hokkaido University Hospital, Sapporo Hokuyu Hospital, Sapporo Medical University Hospital, Asahikawa Medical College Hospital, Asahikawa Red Cross Hospital, Teine Keijinkai Hospital, Sapporo City General Hospital, National Hospital Organization Hokkaido Cancer Center, Hakodate Municipal Hospital, Asahikawa City Hospital, Hokkaido Medical Center for Child Health and Rehabilitation, Asahikawa-Kosei General Hospital, Steel Memorial Muroan Hospital, Oji General Hospital, Aiiku Hospital, Kushiro Rosai Hospital, Kin-ikyo Chuo Hospital, Sapporo Kiyota Hospital, Hirosaki University Hospital, Aomori Prefectural Central Hospital, Iwate Medical University, Iwate Prefectural Central Hospital, Tohoku University Hospital, National Hospital Organization Sendai Medical Center, Miyagi Cancer Center, Miyagi Children's Hospital, Ishinomaki Red Cross Hospital, Osaki Citizen Hospital, Akita University Hospital, Nakadoori General Hospital, Yamagata University Hospital, Yamagata Prefectural Central

Hospital, Fukushima Medical University Hospital, Iwaki City Medical Center, Ohta
General Hospital Foundation, Kita-Fukushima Medical Center, University of
Tsukuba, Ibaraki Children's Hospital, Tsukuba Memorial Hospital, Tsuchiura
Kyodo General Hospital, Hitachi General Hospital, National Hospital Organization
Mito Medical Center, Jichi Medical University Hospital, Dokkyo Medical University
School of Medicine, Tochigi Cancer Center, HAGA RED CROSS HOSPITAL,
Saiseikai Maebashi Hospital, Gunma University Hospital, Gunma Children's
Medical Center, National Hospital Organization Shibukawa Medical Center,
Gunma Cancer Center, Saitama Cancer Center, Saitama Medical University
International Medical Center, National Defense Medical College, Saitama
Children's Medical Center, Saitama Medical Center-Saitama Medical University,
Jichi Medical University Saitama Medical Center, International Medical Center-
Saitama Medical University, Japanese Red Cross Saitama Hospital, Chiba
University Hospital, Chiba Children's Hospital, Matsudo City Hospital, Kameda
General Hospital, Jikei University School of Medicine-Kashiwa Hospital, Chiba
Aoba Municipal Hospital, Japanese Red Cross Narita Hospital, Japanese Red
Cross Society Narita Hospital, National Cancer Center Hospital East, Teikyo
University Chiba Medical Center, Juntendo University Urayasu Hospital, Nippon

Medical School Chiba Hokusoh Hospital, Asahi General Hospital, International University of Health and Welfare Narita Hospital, National Cancer Center Hospital, The Institute of Medical Science-The University of Tokyo, Tokyo Metropolitan Cancer and Infectious Disease Center-Komagome Hospital, Nihon University Itabashi Hospital, The Jikei University Hospital, Keio University School of Medicine, Tokyo Medical University Hospital, Tokyo Women's Medical University, Showa University School of Medicine, Kyorin University Hospital, NTT Medical Center Tokyo, University of Tokyo Hospital, Juntendo University School of Medicine, Nippon Medical School Hospital, Teikyo University School of Medicine, Tokyo Metropolitan Children's Medical Center, Toho University Omori Medical Center, Nihon University Hospital, St. Luke's International Hospital, National Center for Child Health and Development, Federation of National Public Service Personnel Mutual Aid Associations TORANOMON HOSPITAL, National Center for Global Health and Medicine, Faculty of Medicine Hospital Tokyo Medical and Dental University, National Hospital Organization Tokyo Medical Center, Tokyo Metropolitan Tama Medical Center, Japanese Red Cross Medical Center, Tokyo Saiseikai Central Hospital, Tokyo Metropolitan Geriatric Hospital, The fraternity memorial hospital, Tokyo-kita Medical Center, Tokyo Metropolitan Health and

Hospitals Corporation Tama-Hokubu Medical Center, Yokohama City University Hospital, Kanagawa Cancer Center, St. Marianna University School of Medicine, Tokai University School of Medicine, Kanagawa Children's Medical Center, Yokohama City University Medical Center, Showa University Fujigaoka Hospital, St. Marianna University School of Medicine Yokohama City Seibu Hospital, Yokohama Municipal Citizen's Hospital, Yokohama City Minato Red Cross Hospital, Federation of National Public Service Personnel Mutual Aid Associations-Toranomon Hospital-Kajigaya, Yokohama Minami Kyosai Hospital, Shonan Kamakura General Hospital, Saiseikai Yokohama Nanbu Hospital, Niigata University Medical and Dental Hospital, Niigata Cancer Center, Nagaoka Red Cross Hospital, Niigata City General Hospital, Toyama Prefectural Central Hospital, Kurobe City Hospital, Toyama University Hospital, Kouseiren Takaoka Hospital, Toyama Red Cross Hospital, Kanazawa University Hospital, Kanazawa Medical University Hospital, Ishikawa Prefectural Central Hospital, Keiju Kanazawa Hospital, University of Fukui Hospital, University of Yamanashi-Faculty of Medicine, Fukui Prefectural Hospital, Fukui-ken Saiseikai Hospital, Yamanashi Prefectural Central Hospital, Shinshu University School of Medicine, Nagano Children's Hospital, Nagano Red Cross Hospital, National Hospital

Organization Matsumoto Medical Center, Saku Central Hospital Advanced Care Center, Suwa Red Cross Hospital, Gifu University Graduate School of Medicine, Chunokosei Hospital, Gifu Municipal Hospital, Gifu Red Cross Hospital, Takayama Red Cross Hospital, Hamamatsu University School of Medicine, Hamamatsu Medical Center, Shizuoka General Hospital, Seirei Hamamatsu General Hospital, Shizuoka Children's Hospital, Shizuoka Red Cross Hospital, Shizuoka Cancer Center, Juntendo University Shizuoka Hospital, Shizuoka City Shimizu Hospital, Japanese Red Cross Nagoya First Hospital, Nagoya Daini Red Cross Hospital, Meitetsu Hospital, Nagoya University Graduate school of Medicine, Nagoya Ekisaikai Hospital, National Hospital Organization Nagoya Medical Center, Nagoya City University Hospital, Anjo Kosei Hospital, Konan Kosei Hospital, Fujita Health University School of Medicine, Aichi Cancer Center Hospital, Toyohashi Municipal Hospital, Aichi Medical University School of Medicine, Okazaki City Hospital, Komaki City Hospital, Japan Community Health care Organization Chukyo Hospital, Daiyukai General hospital, Toyota Kosei Hospital, Nishio Municipal Hospital, Tosei General Hospital, Mie University Hospital, Japanese Red Cross Ise Hospital, Suzuka Kaisei Hospital, Suzuka General Hospital, Shiga University of Medical Science Hospital, Shiga Medical

Center for Children, Otsu Red Cross Hospital, Omihachiman Community Medical Center, Shiga General Hospital, Kyoto University Hospital, Kyoto First Red Cross Hospital, University Hospital Kyoto Prefectural University of Medicine, Japan Community Health care Organization Kyoto Kuramaguchi Medical Center, Kyoto City Hospital, Aiseikai Yamashina Hospital, Kyoto Katsura Hospital, Kyoto Second Red Cross Hospital, Fukuchiyama city hospital, Osaka International Cancer Institute, Kinki University School of Medicine, Osaka University Hospital, Osaka City University Graduate School of Medicine, Kansai Medical University Medical Center, Children's Medical Center, Osaka City General Hospital, Osaka City General Hospital, Osaka Red Cross Hospital, Osaka Women's and Children's Hospital, Matsushita Memorial Hospital, Kishiwada City Hospital, Rinku General Medical Center, National Hospital Organization Osaka Minami Medical Center, Osaka Medical College Hospital, Fuchu Hospital, Kansai Medical University Hirakata Hospital, Sumitomo Hospital, The Tazuke Kofukai Medical Research Institute Kitano Hospital, Nippon Life Hospital-Nippon Life Saiseikai Public Interest Incorporated Foundation, Takatsuki Red Cross Hospital, Yodogawa Christian Hospital, Federation of National Public Service Personal Mutual Aid Association Hirakata Kohsai Hospital, KKR Otemae Hospital, PL

General Hospital, Sakai City Medical Center, Kansai Electric Power Hospital, Izumi-City General Hospital, Suita municipal hospital, Hyogo College of Medicine, Hyogo Prefectural Kobe Children's Hospital, Hyogo Cancer Center, Kobe City Medical Center General Hospital, Kobe University Hospital, Japanese Red Cross Society Himeji Hospital, Ashiya Municipal Hospital, Akashi Municipal Hospital, Japan Community Health Care Organization Kobe Central Hospital, Hyogo Prefectural Nishinomiya Hospital, Shinko Hospital, Meiwa Hospital, Nishiwaki Municipal Hospital, Hyogo Prefectural Amagasaki General Medical Center, Kakogawa Central City Hospital, Itami City Hospital, Konan Medical Center, Nara Medical University, Tenri Hospital, Takanohara Central Hospital, Kindai University Nara Hospital, Nara Prefecture General Medical Hospital, Wakayama Medical University, Japanese Red Cross Society Wakayama Medical Center, Insurance Social Kinan Hospital, Tottori Prefectural Central Hospital, Tottori University Hospital, National Hospital Organization-Yonago Medical Center, Shimane Prefectural Central Hospital, Shimane University Faculty of Medicine, Matue Red Cross Hospital, National Hospital Organization Okayama Medical Center, Kurashiki Central Hospital, Okayama University Hospital, Kawasaki Medical School Hospital, Okayama Rosai Hospital, Okayama City Hospital,

Hiroshima Red Cross Hospital and Atomic-bomb Survivors Hospital, Hiroshima University Hospital, National Hospital Organization Kure Medical Cancer Center and Chugoku Cancer Center, National Hospital Organization Hiroshimanishi Medical Center, Chugoku Central Hospital of the Mutual Aid Association of Public School Teachers, Yamaguchi University School of Medicine, Shimonoseki Kosei General Hospital, Tokushima University Hospital, Tokushima Red Cross Hospital, Tokushima Prefectural Central Hospital, Kagawa University Faculty of Medicine, National Hospital Organization Shikoku Medical Center for Children and Adults, Takamatsu Red Cross Hospital, Kagawa Prefectural Central Hospital, Ehime Prefectural Central Hospital, Matsuyama Red Cross Hospital, National Hospital Organization-Shikoku Cancer Center, Ehime University Graduate School of Medicine, Kochi Medical School-Kochi University, Kochi University Hospital, Kochi Health Sciences Center, Kyushu University Hospital, Harasanshin Hospital, Hamanomachi Hospital, Our Lady of the Snow Social Medical Corporation St. Mary's Hospital, Kokura Memorial Hospital, Kurume University School of Medicine, Fukuoka University School of Medicine, National Hospital Organization Kyushu Cancer Center, University of Occupational and Environmental Health-Japan, National Hospital Organization Kyusyu Medical Center, Kitakyushu City

Hospital Organization-Kitakyushu Municipal Medical Center, Japan Community Health-care Organization Kyushu Hospital, Iizuka Hospital, Japanese Red Cross Fukuoka Hospital, Chihaya Hospital, Kitakyushu City Yahata Hospital, Saga-Ken Medical Centre Koseikan, Saga University Hospital, Nagasaki University Graduate School of Biomedical Sciences, Japanese Red Cross Nagasaki Genbaku Hospital, Sasebo City General Hospital, National Hospital Organization-Nagasaki Medical Center, National Hospital Organization-Kumamoto Medical Center, Kumamoto University School of Medicine, Oita University Hospital, Oita Prefectural Hospital, Kyusyu University Hospital at Beppu, Miyazaki Prefectural Miyazaki Hospital, University of Miyazaki Hospital, Imamura Bun-in Hospital, Kagoshima University Medical and Dental Hospital, Kagoshima City Hospital, National Hospital Organization Kagoshima Medical Center, Ryukyu University Hospital, Heart Life Hospital, Okinawa Red Cross Hospital.

Korea

The Catholic University of Korea Seoul St. Mary's Hospital, The Catholic University of Korea St. Vincent's Hospital, Gachon University Gil Hospital,

Kyungpook National University Hospital, Kyung Hee University Hospital, Korea University Guro Hospital, Korea University Anam Hospital, Kosin University Gospel Hospital, National Cancer Center, Daegu Catholic University Hospital, Dong-A University Hospital, Pusan National University Hospital, Seoul National University Hospital, Samsung Medical Center, Soonchunhyang University Bucheon Hospital, Soonchunhyang University Seoul Hospital, Ajou University Hospital, Severance Hospital, Yeungnam University Hospital, Asan Medical Center, Ulsan University Hospital, Wonkwang University Hospital, Korea Cancer Center Hospital, Ewha Womans University Mokdong Hospital, Inha University Hospital, Chonnam National University Hwasun Hospital, Chonbuk National University Hospital, Chungnam National University Hospital, CHA University Bundang Medical Center, Hanyang University Hospital, Chosun University Hospital, Chung-Ang University Hospital, Inje University Haeundae Paik Hospital, Cheju Halla General Hospital, Keimyung University Dongsan Medical Center, Konkuk University Medical Center, Pusan National University Yangsan Hospital, Yonsei University Wonju Christian Hospital, Gyeongsang National University Hospital, Korea University Ansan Hospital, Inje University Busan Baik Hospital, Seoul National University Bundang Hospital, The Catholic University of Korea

Yeouido St. Mary's Hospital, The Catholic University of Korea Eunpyeong St.

Mary's Hospital

Malaysia

Hospital Ampang, Subang Jaya Medical Centre, Hospital University Kebangsaan

Malaysia, University Malaya Medical Centre, Hospital Pulau Pinang, Hospital

Sultanah Aminah, Sunway Medical Centre, Hospital Queen Elizabeth, Hospital

Pantai Kuala Lumpur

Mongolia

National First Central Hospital of Mongolia

Myanmar

North Okkalapa General and Teaching Hospital, Yangon General Hospital

Nepal

Civil Service Hospital

New Zealand

Auckland Hospital, Christchurch Hospital, Palmerston North Hospital, Starship Hospital, Waikato Hospital, Wellington Hospital

Pakistan

National Institute of Blood Diseases and Blood and Marrow Transplantation, The Aga Khan University Hospital, Armed Forces Bone Marrow Transplant Centre

The Philippines

St. Luke's Medical Center–Quezon City, St. Luke's Medical Center–Global City, The Medical city, Makati Medical center, National Kidney and Transplant Institute, UC MED

Singapore

National University Hospital, Singapore General Hospital, KK Hospital Women's and Children's Hospital

Sri Lanka

The (Asiri) Central Hospital, National Cancer Institute, Nawaloka Hospital, Lanka
Hospital

Taiwan

Taipei Veterans General Hospital, National Taiwan University Hospital,
Kaoshiung Medical University Hospital, China Medical University Hospital,
Hualien Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation

Thailand

Faculty of Medicine Ramathibodi Hospital, King Chulalongkorn Memorial Hospital,
Phramongkutklo Hospital, Prince of Songkla University Hospital, Faculty of
Medicine Siriraj Hospital, Naresuan University, Chiang Mai University

Vietnam

Blood Transfusion and Hematology Hospital, National Institute of Blood
Transfusion and Hematology

※The individual names of the data-reporting facilities in China were not disclosed.