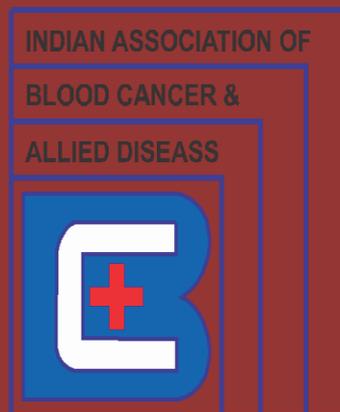




Our goal is to make a difference in the lives of people touched by cancer



IMPRESSION

2013-2014

Indian Association of Blood Cancer & Allied Diseases
81C, Narkeldanga Main Road, Kolkata-700054
Telephone: 03364610972, 033-23730138, Email: iabcd.81c@gmail.com

THE ASSOCIATION

Indian Association of Blood Cancer & Allied Diseases is a registered, voluntary, national level, medical support service organization, dedicated to provide medical, education, counselling and other rehabilitative services to improve the quality of lives of children suffering from blood cancer i.e. leukaemia and other blood diseases like thalassaemia, haemophilia etc.

The Association (IABCD) is registered under West Bengal Societies Registration Act, 1961 with No. S/63715 of 1989-90. Donation made to IABCD is exempted under section 80G of Income Tax Act, 1961 with No. DIT(E)/8E/15/90-91/728 dated 17.03.2008 which is valid for the assessment year in perpetuity vide letter No.DIT(E)/8E/15/90-91/2439 dated 20.05.2011 issued by DDIT (E-I), Hqrs.& Admn. Kolkata. Our PAN No. is AAAAI0249N.

Mission:

The Association (IABCD) is a multidisciplinary organization dedicated to promoting optimal care to improve the quality of life for children and adolescents affected by blood disorders and blood cancer by advancing research, education, treatment and professional practice.

Objectives:

- (a) To promote and organize voluntary blood donation services.
- (b) To coordinate with medical centers for the purpose of diagnosis and treatment of patients suffering from blood cancer and allied diseases such as leukaemia, thalassaemia, haemophilia etc.
- (c) To provide support services for the rehabilitation of patients and dependents.
- (d) To develop the center for education and counselling.
- (e) To acquire, build, hire, maintain and run research laboratory and related facilities and equip them with amenities considered necessary for proper discharge of the functions of the Association.
- (f) To print, publish, exhibit, and subscribe periodicals, books, pamphlets, posters etc, that may be considered for the desirable promotion of the objectives of the Association.

PRESIDENT'S REMARKS

We are the region's only independent voluntary organization dedicated solely to the health and well-being of children suffering from blood cancer and blood disorders. The association's medical team provides medical services through care and support not only to affect kids and but also their families. The team approach is to ensure that every child and family we serve receives nothing but the best.

Every day, we are working to advance our vision - that the kids of Cancer Care programme of Indian Association of Blood Cancer and Allied Diseases will live well and get best medical care. We know that we can't do it alone. Because of this we partner with many voluntary and community support organizations, medical institutions, foundations and corporate. We are able to do it because of our partners' support and provide medical services to keep kids healthy, happy and safe.

We provide a range of medical services covering transfusion therapy, haematology, and coagulation disorders to advance patient care. We also work collaboratively with hospitals on research, patient care and education. Innovations in the quality, safety, outcomes and cost in healthcare have meant people who have illnesses or chronic disease have an enhanced life expectancy, enjoy a better quality of life, and have improved diagnostic and treatment options. This has been achieved over time by introducing new services, new ways of working, new products or by using new technologies.

All families go through difficult times. Some need help dealing with emotional issues and strengthening their family ties. Other families are in crisis and need more intensive support to ensure their children are safe and cared for. Many of our Community Services programs are designed to help families who are struggling. We provide parenting education and counselling for families that need a little extra support.

The association's research and innovation unit is ideally placed to be at the forefront of healthcare innovation for product development, process development, treatment protocol for children suffering from blood cancer and blood disorders through its breadth of research expertise and its clinical, educational and community outreach interfaces.

We're proud of our board members, team, supporters and well wishers for their encouragement, commitment and services. We firmly believe that together, we can find better treatments for children battling illnesses and diseases today and create a future where children may never have to struggle with these conditions at all. Our specific aim is to improve the quality of care for children and their families in both hospital and community settings. Innovation in treatment protocol continues to be a driving force in the quest to balance cost containment and health care quality and is increasingly important with the rising burden of chronic and complex diseases.

Kolkata
April 04, 2014

Amalendu Pal
President

PATIENT CARE

The medical team and team of counsellors of the association's Blood Centre for Children (BCC) provide care to children suffering from blood cancer and various blood diseases like thalassaemia, haemophilia and others.

What makes us different?

Suffering children and family members are now a member of ours. Caring for a child with cancer or any kind of blood diseases can be stressful. Every day there's another decision to be made. Children are not alone. Members of Blood Centre for Children are partners in child's care and work with them along with their family members to develop treatment plans that meet children's health care and personal needs.

BCC team knows kids deserve the best. The doctors, nurses and counsellors in the Blood Centre unit constantly are studying the causes, treatments, side effects and long-term outcomes of cancer and blood disorders. Teams of specialists take problems from the bedside and clinic into the laboratory, and return with better treatments. This is how we can provide the most advanced and best care options.

Patient care and research go hand in hand. Our team members and experts who are paving the way for new treatments and cures for cancer and blood disorders. We're partnering with other elite centers to help patients with some of the most difficult-to-cure types of cancer and blood disorders. We try to make sure that we're providing a level of care which is scientifically approved by international body and followed the process of quality assurance in each step.

For Patient and Families

We are committed to providing the best and safest care for every child. When the child is in our care, family members can feel assured that the child is in the best hands, because we believe kids deserve the best. Since 1990, Blood Centre for Children has been dedicated to improving the health and well-being of children of all ages. Blood Centre is a special place where care is designed to meet the unique needs of every child and family.

Our goal is to provide family-centered care and services that result in an excellent overall experience. We try to do all which support affected family members and create a healing and supportive atmosphere. We believe in partnerships between family members and health care professionals through open, ongoing communication.

Child life and expressive therapies

A child faces many new experiences while in the treatment unit. Child life specialists help provide a supportive environment, which helps children and teens cope with their hospital stays. Our goal is to normalize the hospital experience for patients and their families through play, music, socialization, TV programmes, reading books and support during procedures and take their mind off their discomfort.

Kids deserve the best

Nothing matters more than our children. At IABCD- Blood Centre for Children, we believe that kids deserve the best. Our belief drives everything we do. We work not only with expert medical team but also number of voluntary and social organizations whose members donate blood voluntarily for the patients who need blood and blood component therapies.

Treatments for blood cancers and disorders

Blood cancer is an umbrella term for cancers that affect the blood, bone marrow and lymphatic system. Most of the time blood cancers become life-threatening, partly because they stop the immune system working properly.

Types of blood cancer

There are three main groups of blood cancer: leukaemia, lymphoma and myeloma

Leukaemia-For acute leukaemia, progress is very quickly and it requires immediate treatment. In case of Chronic leukaemia progress is slow. Leukaemia affects white blood cells which is very vital, infection-fighting part of body immune system.

Lymphoma-Lymphoma is a type of blood cancer that affects lymphatic system of the body. Lymphatic system is an important part of body immune system.

Myeloma-Myeloma (also called multiple myeloma) is a blood cancer of the plasma cells. Plasma cells are found in bone marrow and produce antibodies which help fight infection. In myeloma, groups of abnormal plasma cells gather in bone marrow and stop it producing normal blood cells.

Types of blood disorders

There are many types of blood disorder. Some are easily treated while others can be life threatening.

Blood disorders can affect any of the blood components including:

- Red blood cells, which carry oxygen around your body.
- White blood cells, which fight infection.
- Platelets, which help blood to clot.
- Plasma, which is the liquid part of your blood.

Some of the important blood disorders include:

- i) Sickle cell disease
- ii) Thalassaemia
- iii) Aplastic anaemia
- iv) Haemophilia.

Sickle cell disease is also known as sickle cell anaemia. It is a genetic disorder. Stem cell transplant can cure sickle cell disease.

Thalassaemia refers to abnormal type of haemoglobin – the protein in red blood cells that carries oxygen. This destroys more of red blood cells than normal, leading to anaemia, which can cause fatigue, headaches and concentration problems. Sometimes it can cause more serious symptoms like shortness of breath. Thalassaemia is genetic.

Aplastic anaemia-With aplastic anaemia, bone marrow doesn't make enough blood cells, including red blood cells. This leads to anaemia, which can cause fatigue, headaches and

concentration problems – alongside more serious issues. It's a rare condition, but it can be life-threatening.

Haemophilia – Disease refers to clotting factor and its deficiencies

Doctors can treat blood cancer with chemotherapy, radiotherapy or a stem cell transplant. It all depends what type of blood cancer or disorder the patient is affected and how advanced and aggressive it is.

Advancing Paediatric Medical Research

Advancements in paediatric research not only improve lives, but they also reduce overall health care costs. By treating, preventing and eliminating childhood diseases, we can reduce the costs of care impacting families and society over all. The team is determined to identify the causes of injuries, illnesses and birth defects and discover new ways to prevent and treat these conditions. The end result: better care for our kids.

Paediatric research is very important, because the majority of paediatric treatments have been clinically proven only in adults. As a result, most drugs used for children today are just lower doses of adult medications. And as we have learned over time, kids and adults don't always respond to medication the same way.

Quality & Safety of the blood supply

- Collection and Testing Procedures
- Taking a careful and current medical history from each donor
- Performing a mini physical examination on each donor
- Performing various laboratory tests on donated blood to detect potentially infectious agents
- State-of-the-art on-site testing

A positive result in any of these infectious disease tests may result in that unit being discarded:

- RBC Ab (Red Blood Cell Antibody)
- Syphilis
- HBsAg (Hepatitis B Surface Antigen)
HBcAb (Hepatitis B Core Antibody)
- HCV Ab (Hepatitis C Virus Antibody)
HIV-1/2 ANTIBODY (Human Immunodeficiency Type 1 and Type 2 Virus Antibody).

Bacterial Testing of Platelets Bacterial Detection is a quality control test done on units of platelets to check for the presence of bacteria. Platelets are especially susceptible to growth of bacteria because, unlike other blood products that are stored refrigerated or frozen, they are stored near room temperature.

Table-1: Patient Registration

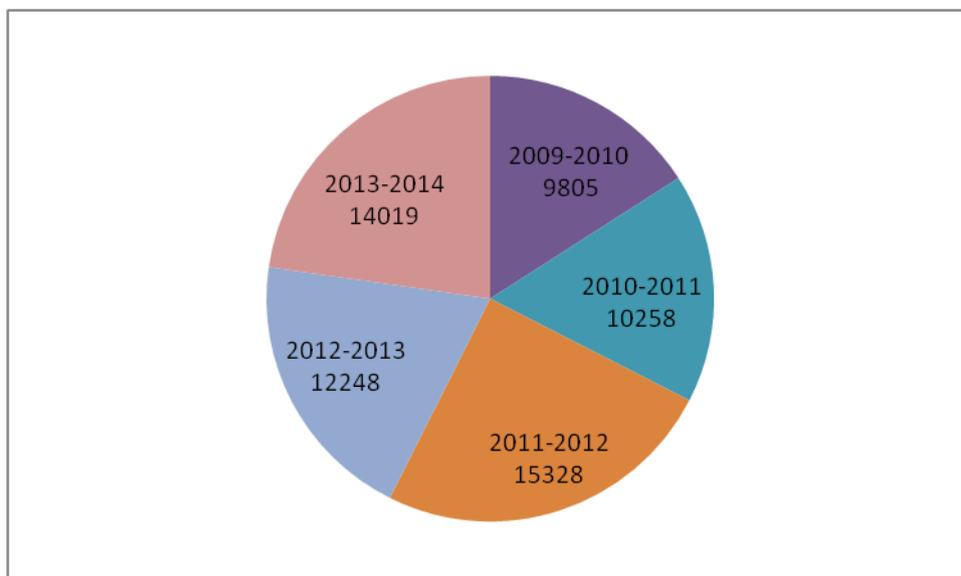
2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
4732	4934	6706	4566	5235



Table-2 Transfusion Management Services

Diseases	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
Thalassaemia	2252	2432	2617	3014	3125
Leukemia	2869	3302	3765	3859	3921
Haema & Others	4684	4524	8946	5375	6973
Total	9805	10258	15328	12248	14019

Transfusion Management Services



BLOOD BANKING SERVICES

Table-3 : Blood Banking Services

Particulars/ Year	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
Number of groups	122	137	143	96	101
Number of volunteers	8274	11532	11917	7011	7952
Number of blood units collected	7899	9582	10747	6506	7614

Table-4: Institution wise Supply of Blood and Blood Components

Category	2009-2010	2010-2011	2011-2012	2012-2013	2013-14
Voluntary Org. Hospitals	2702	4326	5247	4888	5607
Non Government Hospitals	4631	4840	5140	3910	4487
Government Hospitals	2472	3455	4941	3423	3925

Table-5: Supply of Blood and Blood Components

Blood/Blood Components	Whole Blood	Packed Cell	Washed R BC	Fresh Frozen Plasma	Platelet
2009-2010	4003	1988	870	2854	90
2010-2011	6324	2037	1002	2650	608
2011-2012	3451	4555	1212	5826	284
2012-2013	407	4014	1164	5874	789
2013-2014	391	5366	1188	6778	298

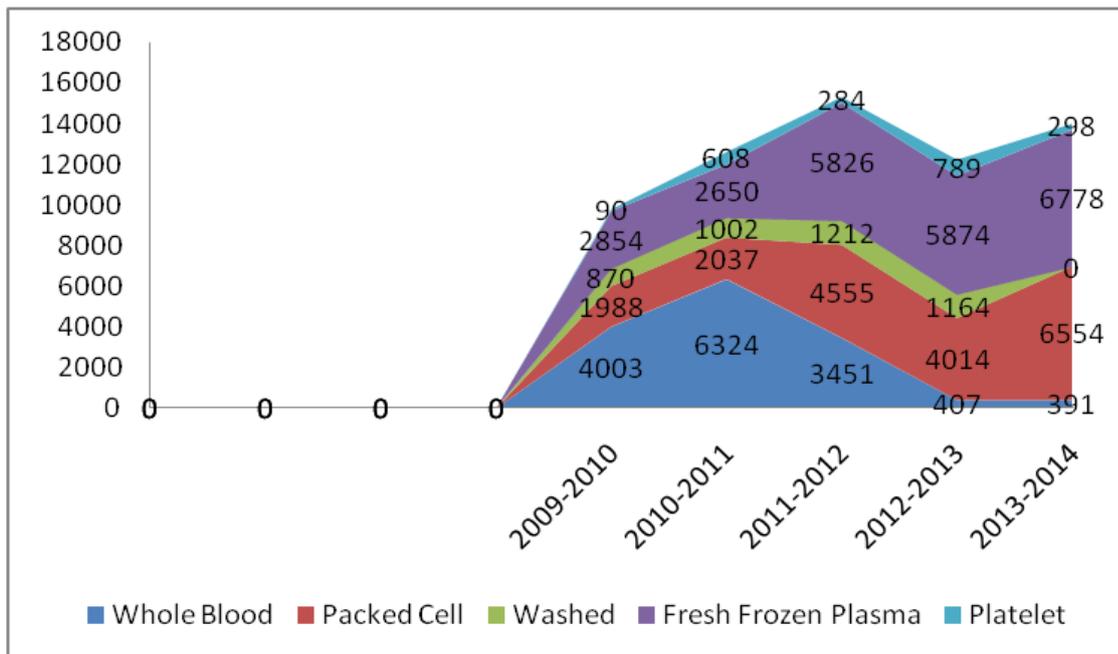


Table-6 Screening Tests for Hbs Ag, HIV, HCV & VDRL

Year	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014
Tests/Persons	8410	9740	11620	6810	7820
Hbs Ag	1.2%	1.1%	1.3%	1.2%	1.1 %
HIV	0.6%	0.7%	0.6%	0.7%	0.6%
HCV	0.3%	0.5%	0.7%	0.4%	0.5%
VDRL	0.8%	0.8%	0.9%	0.9%	0.9%

INDIAN ACADEMY OF TRANSFUSION MEDICINE

Haematology Research

Haematology Research Team is engaged in studying the blood flow system in newborns, infants and children and the ways in which it is different to adults. This is very important as the incidence of both bleeding and clotting is lower in healthy infants and children compared to adults. Therefore, understanding these differences can contribute to treating children who are sick, but can also provide strategies for prevention of blood clotting (thrombosis) in adults.

The team is also studying the interaction of the blood clotting system with anticoagulation drugs that are now used more commonly to treat thrombosis in children.

Research objectives:

1. To improve understanding and treatment of blood clotting disorders in children.
2. To understand how age-related changes in the blood clotting system affect our growth and development.
3. To understand how plasma and platelet proteins change with age and the implications of these changes in the development of diseases associated with the process of ageing.

Key research areas:

There are differences in the quantity and function of blood clotting proteins related to age. Interestingly, infants and children have a lower incidence of bleeding and clotting events than adults. The study defines that the age specific reference ranges for clotting proteins enabling accurate diagnosis of children with problems of this nature. Understanding the precise mechanism that protects healthy infants and children from thrombosis may therefore provide novel prevention and treatment strategies for adults. By understanding the balance between bleeding and clotting in healthy children it can also improve understanding of how and why thrombotic or bleeding events occurs in children who are unwell (i.e. congenital heart disease, cancer, stroke).

Anticoagulant (blood thinning) Therapy in Children: There are significant issues about the optimal use of all blood thinning medications in children. Currently, the majority of evidence regarding blood-thinning management in paediatrics is extrapolated from adult studies. As such, the clinical safety, efficacy and impact upon quality of life of these therapies in children remain unclear. (Source- Murdoch Children's Research Institute)

Ageing of the human plasma and platelet proteomes: Proteomics (large scale study of proteins) has previously been used to study diseased versus healthy states, as well as effects of particular drugs. It has been characterised that the age-related differences in the plasma proteome of the healthy population, from neonates to adults. This knowledge provides new insights into normal growth and development and in our understanding of developmental biology. Given that the incidence of the majority of diseases (i.e. diabetes, thrombosis, cardiovascular disease, cancer) increase with age, these results provide the basis for understanding the age of onset, as well as identification of potential biomarkers and therapeutic targets.

(Source- Murdoch Children's Research Institute)

Education: Fellowship

The purpose of this fellowship program is to prepare trainees for successful careers in academic paediatric haematology/oncology. The three-year training program will prepare graduates to diagnose, treat, and follow children with a full range of haematologic and oncologic diseases. Fellows also prepare to advance the field of Paediatric Haematology and Oncology through scholarly contributions that result from clinical investigation or bench research. Successful completion of the program will qualify fellows for the certification examination by the paediatric haematology/oncology committee.



SUPPORT REQUIRED: BLOOD CANCER LIFE SERVICES

Particulars	Quantity	Amount in Rupees
Blood Bag Monitoring System	One	3,50,000
High Speed Centrifuge	One	15,00,000
Elisa Reader and Washer	One	7,00,000
Computer with Printer	Two	1,00,000
Mobile Van	One	12,50,000
Blood Donor Couch	Two	3,50,000
Tube Sealer	Four	2,00,000
Blood Weighing Scale	One	2,50,000
Air Conditioners	Four	1,60,000
Blood Bank Refrigerator	One	2,80,000
Patient Beds	Four	40,000
Total:		51,80,000

We Need Your Support: The Way You Can Help Us for Providing Quality Care

Particulars	Services/Type	Amount in Rupees
Patient Care-Medical Services	Blood Transfusion Services for one year	20,400/-
Blood transfusion	Cost of one unit blood transfusion	1700/-
Prevention:		
HIV/AIDS	Screening 100 Nos @Rs.120/-	12,000/-
Hepatitis B Prevention	Screening 100 Nos @ Rs.70/-	7,000/-
Hepatitis C Control	Screening 100 Nos @ Rs.75/-	7,500/-
Voluntary Blood Donation	Motivation & collection 50 donors	10,000/-
Thalassaemic Care	Iron Chelating- per patient per year	30,500/-
Education-Transfusion Medicine	Fellowship Prog. - per participant for three years	14,40,000/-
Training-Oncology Social Work	Fellowship per participant for six months	1,80,000/-



ACKNOWLEDGEMENTS

Names of organizations/ trusts who have kindly contributed to IABCD for providing services to suffering humanity

Ashwini K. Bajaj	Mrs. Harbhajan Kaur
Bhaskar Ghose	Mulraj T. Thakkar
Bhatkawa Tea Industries Ltd	Nickunj Eximp Entp P Lt
Bhuwalka Janakalyan Trust	Nuruddin Rabab Laila Charitable Trust
Bishamber Das Bimla Kapur Memorial Trust	Patel Bhogilal Hargovindas Charitable Trust
Cauvery Electricals	Patel Bhogilal Hargovindas Charitable Trust
CESC Limited	Patodia Syntex Limited
D N Jalan Seva Trust	Radha Devi Dhanuka /Dhanuka & Sons
Deys Medical Stores Pvt. Ltd.	Rajiv Kapur
Eastman Industries Limited	Ravi Parthasarathy c/o The IL &FS Ltd.
Enkay Charitable Foundation	S K Tripathi C/o JMC Projects India Ltd
Fena Foundation	S. B. Prabhakar
G.K. Khemka Memorial Hospital	Sardar Chetan Singh Charitable Foundation Ludhiana
Godrej Consumer Products Ltd	Seth Chiranjilal Khaitan Trust
Godrej Industries Limited	Shri Dinesh Foundation
Gujarat Ambuja Exports Ltd.	Shrimati Snehlata Devi Poddar Foundation
Happy Forgings Limited	Silk Appeal
I C R A Limited	Sitaram Jindal Foundation
International Travel House	Sri Sri Thakur Sitaramdas Onkarnath Seva Pratisthan
J K Cement Nimbahera Foundation	Super Forgings
Krishna Antioxidants Pvt. Ltd.	Super Forgings & Steels Ltd
Lodha Charitable Trust	Tata Steel Limited
Lt. Gen. F. T. Dias	Thaku Bhojwani Charitable Trust

M. N. Dastur & Company (P) Ltd.

Thanawala Consultancy Services

Max India Foundation

The Printer House (P) Ltd.

Meera Kapur

The Sukriti Trust

Morarjee Bhagwanddas Shivji Sanatorium
Trust

Union Bank of India

MR PREMCHANDER R.

ACKNOWLEDGEMENT: Govt. of West Bengal, Directorate of Drugs Control, C.D.S.C.O.-EZ-Govt. of India, State Blood Transfusion Council, Department of Social Welfare, West Bengal Pollution Control Board, WB State AIDS Prevention & Control Society, The Kolkata Municipal Corporation

HIGHLIGHTS

1989-1990 -Registration of the Association under West Bengal Societies Registration Act and Income Tax Act 1961. Introduction of ambulance service, Promotion of voluntary blood donation, Sponsorship programmed for treatment of patients

1990-1991-Continuation of ambulance service, blood donation, treatment of patients

1991-1992-Beginning of project work- Blessed by Mother Teresa on March 5, 1992.

1992-1993-Setting up Information, Education and Communication Unit

1993-1994-Computer services unit

1994-1995-Acquiring new premises for Blood Centre for Children.

1995-1996-Completion of first phase of project- Blood Center for Children

Inaugurated by Mr. A.B.N. Morey, British Deputy High Commissioner, Calcutta.

1996-1997-Opening of Modern Blood Bank

1997-1998-Opening of Blood Transfusion Center

1998-1999-Acquiring of instruments for blood components unit

1999-2000-Extension unit for blood centre for children

2000-2001-Opening of Blood Research Center, Blood Components Unit

2001-2002- Beginning of work of Indian Academy of Transfusion Medicine

2002-2003-Oncology Social Work Programme, Establishment of Rural Community Clinic

2003-2004-Cancer Life Centre

2004-2005-Certificate of Registration ISO 9001:2000

2005-06-Setting up unit for Cell Counter & Immuno Analyzer

2006-07-Established International Network System

2007-08-Initiated Project Work for Short Stay Home in Delhi and Partnership Programme with Indian Corporate Houses

2008-09-Exchange Education Program with National and International Universities

2009-2010-Standardization of blood banking operating and quality control system

2010-11-Up gradation of blood components preservation unit

2011-12-Introduction of Gel Technology for blood banking services

2012-2013- Specialized Mobile Medical Services

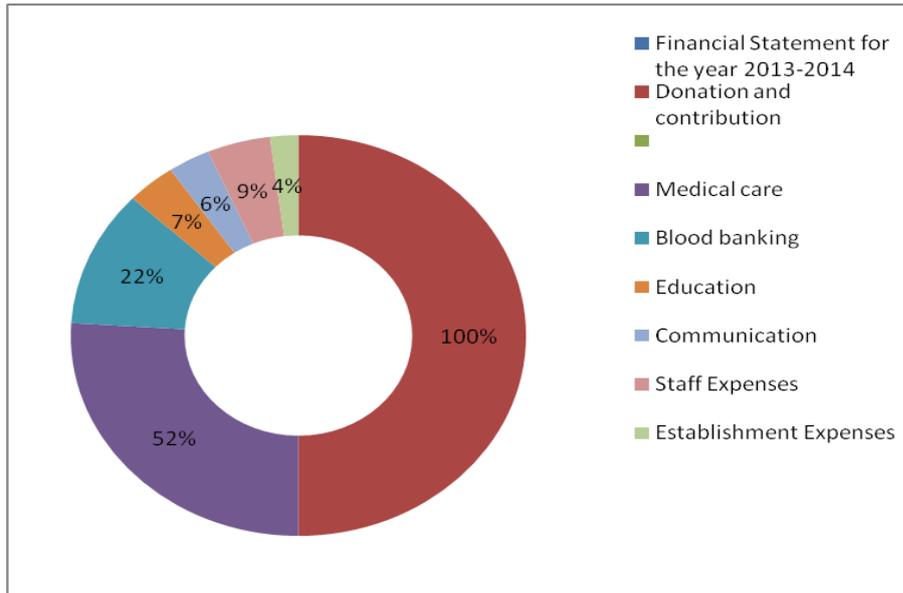
2013-2014-Upgradation of blood components preparation unit

Governance, Finance and Integrated Reporting

The broad policy guideline of Indian Association of Blood Cancer & Allied Diseases is guided by the decisions of the Board of Directors of the association. The association gives highest priority in providing medical services and supply of blood components ensuring quality in all aspect following all statutory as well as quality control guidelines .The members on board are responsible to provide the highest level of oversight and preparation of the financial statements as per provision of IT Act , 1961. The activity report and financial statement are shared with all stakeholders. All members serve the board without any compensation and have no material conflict of interest directly or indirectly.

Accounting Principles of Consolidation- The financial report includes all expenses incurred to carry out the activities specially medical care for children, blood banking services, communication, outreach services, programme on education and awareness , procuring goods for effective operation, quality control and establishment expenses . Utilization of funds is based upon donor imposed guidelines and existing provisions of Income Tax rules.

Audit- Accounts are audited on a regular basis by qualified Chartered Accountant and Audit Report is being prepared as per provisions of under section 12 A(b) of IT Act and reported through Form 10 B and duly submitted to the Prescribed Authority .



Board of Directors:

Dr. Manju Datta Chaudhuri, Medical Advisor-Haematologist, Kolkata

Sri Amalendu Pal, Social Work, Member & Honorary President, , Kolkata

Sri Naresh Kumar Jain, Chartered Accountant, Member, Kolkata

Sri Alope S. Gupta, Economist, Member & Honorary Director, Kolkata

Sri Anjan Sarkar, Service, Member, Kolkata

Sri Yogesh Wardhani, Bio-Medical Engineer, Member, New Delhi

Sri Atma Prakash, Financial Consultant, Member, New Delhi

Sri Madhab Banerjee, Honorary Member, Kolkata

Sri Prasanta Das-Retired Banker, Member, Bhubaneswar

THE TEAM: Dr. Sourav Ghosh- Medical Director, Dr. (Mrs) Reshmi Kundu, Dr. Kakali Bhowmik , Bijoy Mondal , Pankaj Roy , Paramanu Mahapatra, Debashri Nath, Prabir Dalui, Ashin Ghosh, Sribas Chandra Das, Mrs. Putul Nag , Kapil Kanta Das , Mrs. Mitali Samanta , Monali Ghosh, Pitambar Khamaru , Alope Dhara, Sujan Biswas, Raghunath Yadav and Bholu Jha.

AUDITOR: Sri Ritesh Agarwala, Chartered Accountant, Kolkata

BANKER: Bank of Baroda, Beliaghata Branch, Kolkata, State Bank of India , Phoolbagan Branch, Kolkata, State Bank of Mysore, Salt Lake Branch, Kolkata



Indian Association of Blood Cancer & Allied Diseases
81C, Narkeldanga Main Road, Kolkata-700054
Telephone:+91-33-23730138, 03364610972
Mobile:+91- 9038190765 , Email:iabcd.81c@gmail.com
www.cancerlifeblood.org