A RARE VISION
(A VISIONARY AND A MISSIONARY)

Back in 1956, when people had a perception that diabetes is a disease of the affluent people, hardly anyone anticipated that diabetes would be epidemic even in developing countries. Professor Dr Mohammad Ibrahim (1911-1989) led a team of dedicated colleagues to establish the Diabetic Association of Pakistan which eventually became Diabetic Association of Bangladesh.

The dream of the Founder was to create such facilities and environment where ‘no diabetic shall die untreated, unemployed or unfed even if poor’. Over the last five decades, the Association has created the largest infrastructure and registered patients and organized different activities on prevention and care of diabetes. In addition, next to the Government, it is now the largest comprehensive healthcare provider as well as the health manpower generating organization in Bangladesh.

The Annual Report provides a glimpse of this organization with particular focus on the achievement of the last Financial Year 2017-2018.
VISION

- In Bangladesh no diabetic shall die untreated, unemployed or unfed.
- All people shall be provided with affordable healthcare services even if poor.

MISSION

- Provide people with total healthcare including rehabilitation for all the diabetics through different institutions of Diabetic Association of Bangladesh irrespective of gender, economic and social status.
- Expand these services to provide affordable healthcare for all citizens of Bangladesh through self-sustaining Centres of Excellence.
- Create specialized-quality manpower (Research Scientists, Physicians, Technicians, Nurses and other related personnel) of high ethical standard.
- Develop leadership in healthcare through a dedicated and transparent management system.
- Develop industries for manufacturing quality medicines and healthcare products.
INTRODUCTION OF THE ORGANIZATION

The Diabetic Association of Bangladesh, in Bangla বাংলাদেশ ডায়াবেটিক সমিতি (বাডাস), Bangladesh Diabetic Somiti (BADAS), was established on 28th February, 1956 in Dhaka at the initiative of the late National Professor Dr Mohammad Ibrahim (1911-1989) and a group of social workers, philanthropists, physicians and civil servants. In 1957, the association started an outpatient clinic in a small semi-permanent structure of about 380 sq. ft. at Segun Bagicha, Dhaka. Over the years, the clinic has turned into a diabetes care and research complex at Shahbag, Dhaka, which, after the demise of Prof. (Dr) Md Ibrahim in 1989, has been renamed as the Ibrahim Memorial Diabetes Centre. At present, BADAS has about 114 healthcare facilities and more than 450 accredited Diabetes Centres all over the country.

BADAS is a nonprofit voluntary socio-medical service organization registered with the Ministry of Social Welfare under the Society’s Registration Act, 1860. It is run by a 32 member National Council, of which 18 members from the Life Member category and 6 members from the Affiliated Association category are directly elected by the representatives of both the categories in the Annual General Meeting (AGM). One-third of the members from the Life Member and the Affiliated Associations category retire every year. Hence, eligible for re-election by rotation and election to those one-third posts is held in every Annual General Meeting of the Association. The elected members elect the Office-Bearers of the National Council from the Life Member category.

Office-Bearers of the Association is constituted by the President, 3 Vice-Presidents, a Secretary General, a Treasurer, a Joint Secretary General, and a Joint Treasurer.


The National Council meets at least once in a month and reviews the activities of the Association. It takes decisions on policy, budget and finance, planning and development. The executive power of the National Council is vested with the Secretary General who runs different institutions through respective Board of Management and with the help of the Treasurer and BADAS Secretariat.

The AGM of the last financial year 2017-2018 was held on 19th April 2019 at the premises of Bangladesh Institute of Health Sciences (BIHS), Dhaka. About 79 Life Members and 95 Delegate Members from Affiliated Associations were present in the AGM.
NATIONAL COUNCIL

President
Prof A K Azad Khan

Vice-President
Prof Jamilur Reza Choudhury
Dr Sarwar Ali
Prof Mahmuder Rahman

Secretary General
Mr Md Sayef Uddin

Treasurer
Prof M. H. Khan

Joint Secretary General
Prof Rashid-E-Mahbub

Joint Treasurer
Mr Md Shahidul Hassan

Elected Members
(Life Member Category)
Mr A Matin Chowdhury
Syed Manjur Elahi
Mr Mahbub-Uz-Zaman
Prof Emeritus Hajera Mahtab
Prof Mahmud Hasan
Dr Humaira Islam
Rafiquil Islam Khan
Mr Abdul-Muyeed Chowdhury
Prof Nazmun Nahar
Dr Muhammad Abdul Mazid

Elected Members
(Affiliated Associations Category)
Mr Md Baby Islam
Prof Jahangir Chowdhury
Al-haj Dr Md Shahnewaz Chowdhury
Mr Md Abdul Wahed
Mrs Razia Samad
Rotarian Md. Hannan Mallick

Members
Nominated by the President, BADAS
Mr M R Osmany
Khwaja Muhammad Sultanul Aziz
Prof. Dilara Chowdhury
Ubaidur Rob
Barrister Fahimul Huq

Members
Nominated by the Government
Additional Secretary (Hospital), Ministry of Health & Family Welfare,
Bangladesh Secretariat, Dhaka.
Joint Secretary, Finance Division
Ministry of Finance, Bangladesh Secretariat, Dhaka.
Additional Secretary (Dev.)
Ministry of Social Welfare, Bangladesh
Secretariat, Dhaka.
BADAS SECRETARIAT

Management Structure of BADAS

National Council of BADAS
  ↓
  President
  ↓
  Treasurer
  ↓
  Secretary General
  ↓
  BADAS Secretariat
  ↓
  Institutions
  ↓
  Projects
  ↓
  Ombudsman

BADAS executes its activities through its Secretariat headed by Secretary General.

BADAS Secretariat
Secretary and Director, Procurement & Corporate Affairs
Director, Project and Development
Director, Finance and Accounts
Director, Affiliated Associations Affairs
Director, Public Relations & Publications
Honorary Advisor on Affiliated Association Affairs

: Muhammad Abu Taher Khan
: Golam Kibria Bhuiyan
: Biswajit Mazumder
: Ahammad Ali
: Farid Kabir
: Dr Wajedul Islam Khan

Contact Address
BADAS Secretariat
Ibrahim Memorial Diabetes Centre (4th Floor)
122 Kazi Nazrul Islam Avenue, Dhaka-1000, Bangladesh
Ph-880-2-58616641 to 50; 9661551 to 60. Fax: 880-2-9677772
Website: www.dab-bd.org
BADAS INSTITUTION AND PROJECTS

Institution

BIRDEM
Bangladesh Institute of Research & Rehabilitation in Diabetes, Endocrine & Metabolic Disorders
Web: www.birdem-bd.org

RVTC
Rehabilitation and Vocational Training Centre
Web: www.rvtcbd.org

NHN
National Health Care Network
Web: www.nhn.dab.org.bd

ICHRI
Ibrahim Cardiac Hospital & Research Institute
Web: www.ichri.org

IMC
Ibrahim Medical College
Web: www.imc.bd.org

BIHS
Bangladesh Institute of Health Sciences
Web: www.bihs.edu.bd

KALTU
Kidney and Liver Transplant Unit

BUHS
Bangladesh University of Health Sciences
Web: www.buhs-edu.org

HCDP
Health Care Development Project
Web: www.hcdp-bd.org

BNC
BIRDEM Nursing College
http://www.bnc-bd.org/

Projects

PCP
Perinatal Care Project
Web: www.badas.pcp.org

DLP
Distance Learning Program
Web: www.badas-dlp.org

EDC
Extension of Diabetes Care

CGHR
Centre for Global Health

CDiC
Changing Diabetes in Children

BADAS TB Initiative

LFAC
Life for a child

HIGW
Health Insurance for Garments Workers

IHL
Ibrahim Health Line

UHCP
Universal Health Coverage Plan

Kazi Project
Preconception Care Through Religious Leaders Project

Imam Project

BNDR
BADAS Nationwide Diabetes Registry
BOARD OF MANAGEMENT AND COMMITTEES

Board of Management, BIRDEM
Chairman
Dr Sarwar Ali
Members
Prof Rashid-E-Mahbub
Mr Rafiquil Islam Khan
Nominated Member, NC, BADAS
(Ministry of Health & Family Welfare)
Nominated Member from NC, BADAS
(Ministry of Women & Children Affairs)
Director General, BIRDEM
Prof Harun-Ur Rashid
Prof Kishwar Azad

Board of Management, ICHRI
Chairman
Prof Mahmuder Rahman
Members
National Prof Brig. A Malik (Retd)
Mr Md Shahidul Hassan
Mr A Matin Chowdhury
Mr M R Osmay
Barrister Fahimul Huq
CEO, ICHRI

Board of Management, BIHSH
Chairman
Prof Rashid-E-Mahbub
Members
Md. Shahidul Hasan
A Matin Chowdhury
Prof Mahmud Hasan
Rafiquil Islam Khan
Prof Nazmun Nahar
Dr Ubaidur Rob
Prof Dr Md Fazlur Rahman
Md Mahtab Uddin
Brig Gen Dr Md Abdul Majid Bhuiyan (Retd)

Governing Body
Ibrahim Medical College
Chairman
Prof AK Azad Khan
Members
Prof Rashid-E-Mahbub
Prof Dr Md Ismail Khan
Prof Dr Nazma Shaheen
Prof Dr Md Aftab Ali Shaikh
Prof Emeritus Dr Hajera Mahtab
Prof Md Abu Sayeed
Prof S.M. Abu Zafar
Prof AKM Mamunur Rashid
Prof Dr Md Mujibur Rahman
Mr Nasir Arif Mahmud
Member Secretary
Principal, IMC

Board of Management, RVTC
Chairman
Mr Md Shahidul Hassan
Members
Prof Jahangir Chowdhury
Al-haj Dr Md Shahnawaz Chowdhury
Mrs Razia Samad
Rasheda K Chowdhury
Nominated Member, NC, BADAS
Mr Khalid Hasan
Md Mahtab Uddin
Director, RVTC

Board of Management, NHN
Chairman
Syed Manjur Elahi
Members
Prof Rashid-E-Mahbub
Mr Md Shahidul Hassan
Mr Baby Islam
Al-haj Dr Md Shahnawaz Chowdhury
Mrs Razia Samad
CEO, NHN
Project Management Board, HCDP
Chairman
Prof A K Azad Khan
Members
Prof M H Khan
Md Ayubur Rahman Khan,
Additional Secretary, Dev. & Medical Education,
MOH & FW
Abul Mansur Md Faizullah, NDC
Additional Secretary, ERD, Ministry of Finance
Prof Jamilur Reza Chowdhury
Mr Md Baby Islam
MA Halim Chowdhury, MD, Pubali Bank Ltd
Sietse Zoodsma, MD, Simed Int BV
Prof Liaquat Ali

Board of Trustee, Bangladesh
University of Health Sciences (BUHS)
Chairman
Prof (Dr) AK Azad Khan
Members
National Prof (Dr) Brig (Retd) A Malik
Maj Gen (Retd) Prof AR Khan
Prof Emeritus Hajera Mahtab
Prof MH Khan
Prof Jamilur Reza Chowdhury
Mr Md Sayef Uddin
Prof M Mosihuzzaman
Prof Harun-Ur-Rashid
Dr Humaira Islam
Dr Khwaja Muhammad Sultanul Aziz
Mr A Matin Chowdhury
Prof Rashid-E-Mahbub
Prof. Dr Faridul Alam

Budget and Finance Committee,
BADAS
Chairman
Mr Md Sayef Uddin
Secretary General, BADAS
Members
Prof M. H. Khan, Treasurer, BADAS
Prof Rashid-E-Mahbub, Joint Secretary General,
BADAS
Mr Md Shahidul Hassan, Joint Treasurer, BADAS
Syed Manzur Elahi, Member, NC, BADAS
M Mokammel Haque, Life Member, BADAS
Dr Kazi Kholiquzzaman Ahmed, Life Member,
BADAS
Rafiqui Islam Khan, Member, NC, BADAS
Dr Muhammad Abdul Mazid, NC, BADAS
Member Secretary
Mr Biswajit Mazumder, Director, Finance and
Accounts, BADAS

Institutional Coordination Committee
Chairman
Secretary General, BADAS
Members
Treasurer, BADAS
Director General, BIRDEM
Director, Finance and Accounts, BADAS
CEO, National Healthcare Network
CEO, Ibrahim Cardiac Hospital & Research Institute
Principal, Ibrahim Medical College
Director, Bangladesh Institute of Health Sciences
Hospital
Director, Rehabilitation and Vocational Training
Centre
Secretary, BADAS

Law Committee
Chairman
Barrister Fahimul Hoque (Bar-At-Law)
NC, BADAS
Members
Mr M R Osmany
Member, NC, BADAS
Muhammad Abu Taher Khan
Secretary, BADAS
Development Coordination Committee

Chairman
Syed Manjur Elahi
Member, NC, BADAS

Members
Md Sayef Uddin
Secretary General, BADAS
A Matin Chowdhury
Member, NC, BADAS
Ubaidur Rob
Member, NC, BADAS
Mr Tapan Chowdhury
MD Square Pharmaceutical Ltd
Abdul Wahed
Life Member, BADAS
M Abul Kashem
Life Member, BADAS
Obayed Jaigirdar
Life Member, BADAS
Rasheda K Chowdhury
Executive Director, Gonoshakhorota Abhijan
Muhammad Abu Taher Khan
Member Secretary, Director, Procurement & Corporate Affairs, BADAS
DIABETES HEALTH CARE DELIVERY

Creating the largest registered diabetic patient base under one organization

All the diabetes related national, regional and international organizations in the world primarily served as ‘Advocacy Bodies’ with only limited and occasional healthcare services in some of the cases. BADAS created an exception from the very beginning and started to operate diabetes care clinics along with its awareness building and advocacy roles.

Within a culture of healthcare made synonymous with medical care, BADAS could also make a breakthrough by providing comprehensive healthcare. It especially included physicians, nutrition and health education services within a broader context of integrated primary, secondary and tertiary care.

Starting with only 39 patients in 1956, BADAS along with its Affiliates serves the largest number of registered diabetic patients who receive regular and comprehensive healthcare.

At the end of Financial Year 2018-19, the total number of registered patients is 49,71,581 of which 4,85,788 were registered as new patients during July 2018 – June 2019.

<table>
<thead>
<tr>
<th>Hospital/Health Centres</th>
<th>Registered Upto 2017-18</th>
<th>Newly Registered in the FY 2018-19</th>
<th>Total registered patients upto 2018-19</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIRDEM</td>
<td>638945</td>
<td>77375</td>
<td>707852</td>
</tr>
<tr>
<td>NHN</td>
<td>630477</td>
<td>5817</td>
<td>51428</td>
</tr>
<tr>
<td>ICHRI</td>
<td>45611</td>
<td>11109</td>
<td>320551</td>
</tr>
<tr>
<td>BIHS</td>
<td>309442</td>
<td>10913</td>
<td>236239</td>
</tr>
<tr>
<td>HCDP</td>
<td>225326</td>
<td>354237</td>
<td>2987839</td>
</tr>
<tr>
<td>Affiliated Associations</td>
<td>2633602</td>
<td></td>
<td>2615</td>
</tr>
<tr>
<td>CDIC</td>
<td>2390</td>
<td>225</td>
<td>49,71,581</td>
</tr>
<tr>
<td>Total</td>
<td>44,85,793</td>
<td>4,85,788</td>
<td></td>
</tr>
</tbody>
</table>
Primary Prevention of Diabetes and its Complications

Prevention is the only feasible way to combat the present epidemic of diabetes. It is particularly important for low resource societies like Bangladesh. Studies in various parts of the world have shown that simple intervention in lifestyle (nutrition and exercise/physical work/habit) may reduce the incidence of diabetes by about 70%.

The Projects and Affiliated Associations of BADAS always had some arrangement for education of the patients. Additionally, in the recent years, BADAS has given special emphasis on the preventive aspects of diabetes. The preventive campaigns in FY 2018-19 were conducted in the form of observance of Special Days, such as World Diabetes Day, Diabetes Awareness Day and Diabetes Service Day. Besides, such campaigns were also conducted through media programs, publication of awareness materials, and diabetes/health magazines, educational classes, discussion programs and dissemination seminars.

World Diabetes Federation provided BADAS with fund for various awareness programs to reduce the prevalence of diabetic patients and other vulnerable groups through nutrition-based education, lifestyle changes, effective tools and strategies. Media, articles, leaflets, calendars, posters, display boards had been published and distributed to increase the awareness about diabetes and its complications among the people. BADAS also organized training programs for health professionals, nutrition-based classes and discussions for diabetic patients. Promotional audiovisual items (Ads/mini-docudramas) had been prepared and broadcast in 11 different TV channels in the last year and those will be further broadcast in 6 different TV channels. The mini docudramas were also shown in the waiting lounge of different healthcare centres. Approximately 1 million viewers watched the films.

Diabetes Awareness Day (28 February 2019), Death Anniversary of Prof (Dr) M Ibrahim, Diabetes Service Day (06 September 2019) and World Diabetes Day (14 November 2019) and World Health Day 2019 were the days through which mass awareness program and dissemination program were explored.

The above-mentioned days were observed in Dhaka as well as in the other districts through the following programs:

- Rally
- Children Art Competition
- Screening of diabetes in various centers and in the community for high risk people (IGT, IFG)
- Free Heart Camp
- Free Consultation on Diabetes Management and Treatment & Distribution of Guide Book at Hajj Camp and Ijtema at Tongi
- Prevention and awareness program for young and Type 1 Diabetes
- Video animation for the prevention and control of diabetes
- Discussion Programs
- Question and Answer Session between specialized doctors and the patients
- Talk shows on Radio and TV Channels
- Publication and Distribution of awareness materials, Health Magazines, Journals, Leaflets, News letter and Bengali Magazine Kanti etc.
- Seminar
- Workshops and Seminars on Diabetes, TB and Non-communicable Diseases
- Milad Mahfil (Special Prayer)
- Orientation Program for TB awareness
- Group Discussion with Health Educators and Patients
- Feature film for creating mass awareness about diabetes
- Community Mobilization Program
- Mother and Child Care Activities (diabetes related complications)
- Health Camp at district level all over the country
- Educational tools for the patients
- Clay Model of the food items
- Regional Workshops at district level
Mass Awareness program

World Diabetes Day observed by the Diabetic Association of Bangladesh on 14th November
The World Diabetes Day was observed on 14th November across the country as well as around the world amid much enthusiasm and in a befitting manner.

A colorful procession marking the World Diabetes Day was brought out from BIRDEM Hospital premises that paraded from the main road of the town.

Later, a discussion meeting was held highlighting that one person dies in every seven seconds across the world only due to diabetes. There is one female in each 10-diabetic-patient. It was addressed in the speech while emphasizing the importance of the day and aggression of the disease across the world. Screening tests of Diabetes were performed at free of cost among the mass people.

Children art competition was held to mark World Diabetes Day
Children with diabetes have right to a full life

There are now 3,000 diabetic children registered with BIRDEM that is providing children with comprehensive care for diabetes. Almost 80% of them have type-1 diabetes, meaning their bodies don’t produce insulin, and so they need insulin injection every day to survive.

Moreover, type-2 diabetes, which can be hereditary, is on the rise among children due to unhealthy eating habit and sedentary lifestyle. In most cases, it can be prevented if children eat less junk food and are physically active, the physician said. Type-2 diabetes means the patient’s body doesn’t use insulin properly and so they need medication or insulin to keep their blood sugar at normal level.

92% of children with type-1 diabetes come from disadvantaged families who cannot bear the treatment cost of nearly Tk 8,160 a month. They get free insulin and other medical support under two programs – CDIC and Life for a Child – taken up by the Diabetic Association of Bangladesh.

Financial and logistic supports come from World Diabetes Foundation, International Diabetes Federation (IDF) and Danish multi-national pharmaceutical company Novo Nordisk.

IDF has estimated the number of children and adolescents having type-1 diabetes at 17,057. The figure suggests that many remain undiagnosed and without proper care.
Diabetes Awareness Day was observed on 28th February, 2019 through various programs. Among them, some of the programs are as follows:
A discussion meeting was held in BIRDEM Auditorium.
Question Answer Session was held among specialist doctors and diabetic patients
Diabetes Service day

28th death anniversary of Prof. MD Ibrahim was observed on 6th September, 2018.

The reminiscence session held on 6th September 2018 at the BIRDEM auditorium on the occasion of the 28th death anniversary of National Professor Dr M Ibrahim. The Doctors and the staff of the different institution and organizations of the Diabetic Association of Bangladesh placed wreaths at his grave in the capital’s Banani graveyard.

FREE HEART CAMP

Ibrahim Cardiac Hospital & Research Institute arranged daylong FREE HEART CAMP on the day with free registration, consultancy and discount on diagnostics and other tests/procedure.

The Institute served about 148 register patients.
MUNTADA AID PEDIATRIC CARDIAC PROGRAM “LITTLE HEART CHARITY”
Funded & Organized by

MUNTADA AID is a British humanitarian NGO working in 35 countries for the last 32 years to alleviate poverty and sufferings by providing supports in areas of health care, education, water & sanitation and emergency relief. MUNTADA AID PEDIATRIC CARDIAC PROGRAM funded by MUNTADA AID, UK, started in April 2015 in partnership with Ibrahim Cardiac Hospital & Research Institute (ICHRI) to save the lives of poor children suffering from Congenital Heart Defects (CHD). Under the MOU, already 200 successful operations were done. We are grateful to MUNTADA AID for their kind cooperation for funding this project which has saved many valuable lives.
Education and training

Health education program plays a vital role in diabetes prevention and management.

Health Education Department of BIRDEM conducted the following training for prevention of diabetes:

Patient education for newly detected diabetic patients; Re-education of previously enlisted patients, including preventive foot care and education.

Training program for physicians and educators on Diabetes Educators Training.

Out-patient clinical follow-up and visit by various institutes as part of academic program.

Training on glucometer operation;

Insulin injection training with syringe, vial and pen device.

World Heart Day 2018

World Heart Day 2018 was observed on September 29th, 2018. The motive of global campaign was to raise awareness of heart health.

This year’s theme was **MY HEART, YOUR HEART.**

**MY HEART, YOUR HEART** is about creating a sense of commitment around the common issues related to heart health.

One can prevent heart diseases by taking following steps:

- Control blood pressure.
- Keep cholesterol and triglyceride levels under control.
- Manage diabetes.
- Eat a healthy diet.
- Get regular exercise.
- Maintain ideal body weight.
- Limit alcohol.
- Avoid smoking.
- Manage stress.
- Manage diabetes.
- Make sure that you get enough sleep.

Awareness through Dissemination

Dissemination of the messages using these tools was organized through individual/group discussion, TV Channels, website and dissemination seminars in various parts of the country.
Diabetes prevention through faith-based leaders

Preconception care through religious leaders

BADAS has been running a project on preconception care named "Preconception Care through Religious Leaders" since May 2016. It is a joint initiative of BADAS and Ministry of Law, Government of the Peoples’ Republic of Bangladesh. The program is being financed by World Diabetes Foundation. The goal of this program is to improve community awareness on preconception care and prevention of non-communicable diseases (NCDs), especially gestational diabetes (GDM), among newly married couples of Bangladesh through the help of religious leaders and marriage registrars (Kazi). This will help to give a healthier start in life with the aim of reducing incidence of diabetes. BADAS has already trained 400 marriage registrars and 300 health professionals and established 50 preconception care corners in 50 centers/hospitals of BADAS. In this program, trained Kazis will discuss the positive impact of preconception care and planned pregnancy with couples in the course of actual wedding ceremony and distribute a booklet containing information on preconception care and prevention of GDM. They will also advise couples to visit the nearest preconception care corners of BADAS to receive targeted advice and routine check-ups including screening for diabetes, hypertension, anaemia, nutritional status, and urinary infection before planning for pregnancy. BADAS has also launched a preconception counseling package at a minimum cost of TK 600. A total of 30,000 couples have already been provided with counseling by trained religious leaders, and 15,000 at-risk women have received conception/antenatal care and training regarding GDM prevention. A total of 12,000 women have been screened for GDM. Appropriate advice and treatment had been provided to women diagnosed with GDM. The National Council of BADAS decided to take preconception care as one of the core programs of the Association. BADAS has also launched a national campaign with "Healthy Mother- Healthy Child- Healthy Nation: All Pregnancy Should be Planned" motto. It is a matter of pride that the Honorable President, Honorable Prime Minister, Honorable Minister of Health and Family Welfare of Government of the People’s Republic of Bangladesh have endorsed the preconception care and planned pregnancy. Ministry of Information, Ministry of Women and Children Affairs and Non-Communicable Disease Control Program of Directorate General of Health Services and Rotary Bangladesh have also endorsed our program.
SECONDARY AND TERTIARY CARE OF DIABETES

BADAS provides Secondary and Tertiary care to a large number of diabetic patients in the form of general and specialized health and diagnostic services. In 2018-19, 3,193,2171 laboratory tests and other diagnostic interventions were conducted by BADAS Projects and Affiliated Associations. Radiology and Imaging Department provides 7,91,188 test.

Secondary and Tertiary Care Services at BASAS Facilities

- Medical and Surgical facilities in almost all disciplines at BIRDEM, BIHS, NHN, ICHRI and selective Affiliated Associations.
- Basic and advanced diagnostic facilities including laboratory and radiology & imaging services.
- ICU and CCU services in BIRDEM, NHN, ICHRI and some of the Affiliated Associations.
- Advanced medical and surgical care including ICU and CCU services for cardiovascular patients in BIRDEM and ICHRI
- Hemodialysis and kidney transplant at BIRDEM and ICHRI
- Liver Transplantation at ICHRI in cooperation with BIRDEM
- Special Care Baby Unit at BIRDEM-2
- Surgical foot care in BIRDEM, NHN & BIHS

## Number of Test/Investigations performed

<table>
<thead>
<tr>
<th>Institution</th>
<th>No of Test/Investigation 2018-19</th>
<th>No of Test/Investigation 2017-18</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lab Test</td>
<td>Radiology and Imaging</td>
</tr>
<tr>
<td>BIRDEM</td>
<td>18416378</td>
<td>208304</td>
</tr>
<tr>
<td>NHN</td>
<td>890364</td>
<td>63282</td>
</tr>
<tr>
<td>BIHS</td>
<td>1061407</td>
<td>55331</td>
</tr>
<tr>
<td>Non BIHS Component</td>
<td>741749</td>
<td>58319</td>
</tr>
<tr>
<td>ICHRI</td>
<td>305527</td>
<td>61513</td>
</tr>
<tr>
<td>Affiliated Association</td>
<td>10516746</td>
<td>344439</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31932171</strong></td>
<td><strong>791188</strong></td>
</tr>
</tbody>
</table>
Kidney and Liver Transplant Unit (KALTU)
Total no. of Living related donor Kidney transplantation from July 2018 to June 2019: 04
Total no. of Living related donor Kidney transplantation from November 2004 to June 2019: 133
At the end of FY 2018-19, the total bed capacity of BADAS facilities increased from 4109 to 4184 in FY 2017-18.

Table: Bed capacity under BADAS Facilities

<table>
<thead>
<tr>
<th>Name of the Hospital</th>
<th>Bed Capacity 2017-18</th>
<th>Bed Capacity 2018-19</th>
</tr>
</thead>
<tbody>
<tr>
<td>NHN-Ibrahim General Hospital</td>
<td>415 bed, 7 hospitals under NHN (Wari-100, Rampura-100, MPL-50, Dhanmondi-30, Chandra-10, Mirpur-100, Chhagolnaiya-25)</td>
<td>465 bed, 8 hospitals under NHN (Wari-100, Rampura-100, MPL-50, Dhanmondi-30, Chandra-10, Mirpur-100, Chhagolnaiya-25, Uttara-50)</td>
</tr>
<tr>
<td>ICHRI</td>
<td>150</td>
<td>150</td>
</tr>
<tr>
<td>BIHS</td>
<td>250</td>
<td>250</td>
</tr>
<tr>
<td>Non-BIHS Components (AAs) in HCDP (Sirajganj, Dinajpur, Thakurgaon Pabna, Bogra)</td>
<td>435</td>
<td>435</td>
</tr>
<tr>
<td>Affiliated Associations</td>
<td>2139 (Total 26 Affiliated Associations have hospital facilities)</td>
<td>2259 (Total 27 Affiliated Associations have hospital facilities)</td>
</tr>
<tr>
<td>Total</td>
<td>4109</td>
<td>4279</td>
</tr>
</tbody>
</table>
BADAS – A MAJOR GENERAL HEALTH CARE PROVIDER IN THE COUNTRY

The inherent nature of diabetes mellitus is considered as a generalized disorder. Hence, the facilities of BADAS are open to non-diabetic patients due to the use of good quality medical services. However, diabetic patients get priority and certain privileges. With some variation among individual Enterprises/ Affiliated Associations (AAs), about 30% to 40% of patients attending BADAS OPD/IPD facilities are non-diabetic and the proportion is even higher in case of people seeking diagnostic services.

Recent Departmental Development of BIRDEM

BIRDEM received ‘Best Hospital for Diabetes Treatment’ award

BIRDEM recently received ‘Best Hospital for Diabetes Treatment’ award from Global Brands Magazine. Mr. Rafiquel Islam Khan, Member National Council, BADAS received the award on behalf of BIRDEM.
GENERATING SKILLED HUMAN RESOURCES IN DIABETES HEALTH CARE

In the context of a country like Bangladesh where Research activities are usually thought to be a luxury, BADAS has taken an unusual approach by incorporating research in its priority list. Activities in this sector range from basic to clinical and public health research. As recognition, the BIRDEM, an enterprise of BADAS has been designated as Centre for Research on the Prevention and Control of Diabetes and its Complications. At present, different organizations of BADAS, particularly BIRDEM and BUHS, are known as the preferred destinations of a large number of basic and clinical sciences as well as public health students (from home and abroad) for conducting their post graduate level thesis works.

In FY 2018-19, a number of national and international publications and presentations were conducted in various departments or in laboratories of different organizations of BADAS. Besides, a fairly large network has been developed in diverse scientific fields around various national and international institutes.

BUHS houses the Secretariat of the Asian Network of Research on Anti-diabetic Plants (ANRAP) and ICNPR that organized a few national and regional scientific seminars and conferences in 2019. These events helped disseminate its own research finding and update knowledge through interaction with the regional and international counterparts.

The organization realizes that there is a shortage of skilled manpower in medical and technical field in the country. Hence, BADAS is working with the vision to create skilled manpower in both the fields. It also established BIRDEM Academy, Ibrahim Medical College and BUHS to meet this end.

Formal Education
Ibrahim Medical College offers a 5-year MBBS and BDS course approved by the Bangladesh Medical & Dental Council that helps lead to MBBS degree of the University of Dhaka and 1-year internship training at BIRDEM Hospital.

Faridpur Diabetic Association Medical College and North Bengal Medical College also offer a 5-year MBBS Course.

Currently, BIRDEM is running some postgraduate courses under the University of Dhaka such as: DEM, MPhil, MS, MD, PhD etc.
<table>
<thead>
<tr>
<th>Course</th>
<th>Session 2018-19</th>
<th>Discipline</th>
<th>Student Enrolled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diploma</td>
<td></td>
<td>Dermatology, Anesthesiology, Endocrinology &amp; Metabolism, Radiology &amp; Imaging, Dermatology &amp; Venereology and Laboratory Medicine</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>BIRDEM Institute</td>
<td>Diploma in Nursing Sciences and Midwives</td>
<td>50</td>
</tr>
<tr>
<td>Dinajpur Diabetic Association, Technical Association</td>
<td></td>
<td>Diploma in Nursing Sciences and Midwives</td>
<td>50</td>
</tr>
<tr>
<td>Faridpur Diabetic Association Nursing Institute</td>
<td></td>
<td>Diploma in Nursing Sciences and Midwives</td>
<td>170</td>
</tr>
<tr>
<td>Rajshahi Diabetic Association Nursing Institute</td>
<td></td>
<td>Diploma in Nursing Sciences and Midwives</td>
<td>40</td>
</tr>
<tr>
<td>Ibrahim Cardiac Hospital and Research Institute</td>
<td></td>
<td>Diploma in Advanced Cardiac Nursing</td>
<td>82</td>
</tr>
<tr>
<td>Undergraduate</td>
<td>Bangladesh University of Health Sciences</td>
<td>BSc in Laboratory Technology</td>
<td>115</td>
</tr>
<tr>
<td>Graduate</td>
<td>Ibrahim Medical College</td>
<td>MBBS</td>
<td>651</td>
</tr>
<tr>
<td></td>
<td>Bangladesh University of Health Sciences</td>
<td>BS</td>
<td>87</td>
</tr>
<tr>
<td></td>
<td>Faridpur Diabetic Association Medical College</td>
<td>MBBS</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>North Bengal Medical College</td>
<td>MBBS</td>
<td>70</td>
</tr>
<tr>
<td></td>
<td>BIRDEM Nursing</td>
<td>BSc</td>
<td>100</td>
</tr>
<tr>
<td>Post Graduate</td>
<td>BIRDEM Academy</td>
<td>MD</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>Bangladesh University of Health Sciences</td>
<td>MS</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Ibrahim Cardiac Hospital and Research Institute</td>
<td>MPhil</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MS</td>
<td>150</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MPH</td>
<td>213</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MD</td>
<td>5</td>
</tr>
</tbody>
</table>
Bangladesh University of Health Sciences (BUHS) of BADAS had been established at Darus Salam, Mirpur to provide Graduate and Post Graduate courses under the Faculty of Basic Sciences, Faculty of Public Health, Faculty of Allied Health Sciences and Faculty of Health Engineering & Technology.

BIRDEM also offers Diploma in Dermatology; Anesthesiology; Endocrinology & Metabolism; Radiology & Imaging; Dermatology & Venereology and Laboratory Medicine.

Faridpur Diabetic Association Nursing Institute, Rajshahi Diabetic Association Nursing Institute and Dinajpur Diabetic Association Technical Association offer Diploma in Nursing Sciences and Midwives. Ibrahim Cardiac Hospital and Research Institute offers Diploma in Advanced Cardiac Nursing.

### Informal Education

Distance Learning Program (DLP) is a project of the Diabetic Association of Bangladesh to run distance learning course with a view to develop manpower in the field of diabetes throughout the country.

The course was introduced in collaboration with the Open University, UK in 2004. The duration of these courses is 6 months (January-June & July-December Session). Besides, BADAS also offers other short courses.

To provide secondary and tertiary health care services BADAS has one of the largest human resource bases which include physicians, nurses/health educators and laboratory technicians.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>BIRDEM</td>
<td>487</td>
<td>488</td>
<td>672</td>
<td>569</td>
<td>11</td>
<td>11</td>
<td>1361</td>
<td>1347</td>
</tr>
<tr>
<td>NHN</td>
<td>158</td>
<td>175</td>
<td>287</td>
<td>302</td>
<td>19</td>
<td>22</td>
<td>194</td>
<td>204</td>
</tr>
<tr>
<td>ICHRI</td>
<td>118</td>
<td>130</td>
<td>302</td>
<td>350</td>
<td>5</td>
<td>5</td>
<td>100</td>
<td>210</td>
</tr>
<tr>
<td>BIHS</td>
<td>112</td>
<td>89</td>
<td>67</td>
<td>71</td>
<td>5</td>
<td>6</td>
<td>77</td>
<td>89</td>
</tr>
<tr>
<td>Non-BIHS Components</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(AAs) in HCDP</td>
<td>76</td>
<td>85</td>
<td>70</td>
<td>91</td>
<td>4</td>
<td>9</td>
<td>143</td>
<td>157</td>
</tr>
<tr>
<td>Affiliated Associations</td>
<td>769</td>
<td>787</td>
<td>711</td>
<td>794</td>
<td>89</td>
<td>91</td>
<td>864</td>
<td>877</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1720</strong></td>
<td><strong>1754</strong></td>
<td><strong>2109</strong></td>
<td><strong>2177</strong></td>
<td><strong>133</strong></td>
<td><strong>144</strong></td>
<td><strong>2739</strong></td>
<td><strong>2884</strong></td>
</tr>
</tbody>
</table>

BUHS- 20 Lecturers, 9 Sr. Lecturers, 25 Assistant Professors, 11 Associate Professors, 17 Professor, 31 Administration and supporting and 5 Laboratory.

IMC - 84 full time members including 13 Professors, 16 Associate Professors, 10 Assistant Professors, 1 Curator and 44 Lecturers. Academic Faculties of Medicine, Surgery, Gynae. & Obst. and their several sub-specialties consist of 40 Professors, 37 Associate Professors, 32 Assistant Professors, 2 Resident Physicians, 2 Resident Surgeons and 28 Registrars.
Training Program/ Short Course

BIRDEM Academy

Honorary training for Doctor
BIRDEM Academy organized the training program of Medical graduates as Honorary Medical Officers (HMO) in different clinical departments. In session 2018-2019, a total of 67 doctors were recommended to join as HMO.

Laboratory Training
BIRDEM Academy conducted Laboratory training programs under Research Cell in different laboratories. Students of Medical technology, Dental technology, Physiotherapy, Biochemistry, Biotechnology, Microbiology, MBBS, M.Phil or PhD can participate the Laboratory Training program for duration of 1 week, 1 month or 6 months.

<table>
<thead>
<tr>
<th>Sl. No</th>
<th>Types of training</th>
<th>No. of MT/DT/Physiotherapist students</th>
<th>No. of B.Sc/M.Sc/MBBS/M.Phil/PhD</th>
</tr>
</thead>
<tbody>
<tr>
<td>01.</td>
<td>1-month training</td>
<td>00</td>
<td>03</td>
</tr>
<tr>
<td>02.</td>
<td>3-month training</td>
<td>02</td>
<td>02</td>
</tr>
<tr>
<td>03.</td>
<td>4-month training</td>
<td>03</td>
<td>00</td>
</tr>
<tr>
<td>04.</td>
<td>6-month training</td>
<td>02</td>
<td>12</td>
</tr>
</tbody>
</table>

Training in Nutrition Department
BIRDEM Academy organized one month training program for B.Sc/M.Sc students of Food & Nutrition. A total of 6 students took training on Nutrition in the year 2018-2019.

Institutional Review Board (IRB)
BIRDEM Academy conducted two IRB meetings to review research protocols of MD/MS/M.Phil students and FCPS trainee. A total of 60 research protocols of the researchers were reviewed by reviewers and provided with permission to conduct their research in the year 2018-2019.

Internship Training for MBBS Doctor
BIRDEM Academy organized Internship Training program for MBBS Doctors of Ibrahim Medical College (IMC) and other Medical Colleges. A total of 125 doctors completed their one year compulsory Internship Training in the year 2018-19.

BIRDEM Nursing College

Workshop and Conference/ Seminar
6 nurses attended a one-day workshop on “Cadaveric Organ Transplant Coordinator” at Kidney Foundation, Mirpur, Dhaka.
135 nurses attended a one-day TB program at BIRDEM GENERAL HOSPITAL.
Nursing Superintendent attended a two-day workshop to finalize the National Task Force (NFT) draft action plan at AMARI, Dhaka.

Training Activities:
1 nurse attended a two-day training program of VDP and AEFI surveillance data entry and analysis at Caritas Development Institute (CDI).
10 nurses participated in the fire extinguishing training program.
2 nurses participated in Endoscopy training program at DMCH.
1 nurse attended a 16-day training program of comprehensive family planning, MR and post abortion case services at BAPSA, Dhaka.
3 senior nurses from 250 bed TB Hospital Shamoly, Dhaka participated in Critical Care Medicine Training at I.C.U.
Department of Clinical Biochemistry and Molecular Biology & Laboratory Medicine
1. Workshop on Research methodology in BMRC from 19.05.2019 to 23.05.2019.

Department of Diet and Nutrition (BIRDEM-1 & 2)
Training: Different types of participants attended in different kinds of training:

<table>
<thead>
<tr>
<th>Types of Participants</th>
<th>No. of Participants</th>
<th>Duration</th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nutritionist (Internee)</td>
<td>18</td>
<td>6 months</td>
<td>Students of Food &amp; Nutrition.</td>
</tr>
<tr>
<td>Nutritionist</td>
<td>1</td>
<td>5 days</td>
<td>CMH</td>
</tr>
<tr>
<td>Health Educator</td>
<td>3</td>
<td>14 days</td>
<td>Barishal, Ramgong, Khulna</td>
</tr>
<tr>
<td>Doctors</td>
<td>1</td>
<td>1 day</td>
<td>Health education dept.</td>
</tr>
<tr>
<td>Doctors</td>
<td>9</td>
<td>1 day</td>
<td>Post graduate dr. Of Endocrine dept. BSMMU</td>
</tr>
<tr>
<td>Doctors</td>
<td>40</td>
<td>1 day</td>
<td>Post graduate dr. Of Sir Solimullah Medical College</td>
</tr>
<tr>
<td>Doctors</td>
<td>36</td>
<td>1 day</td>
<td>Post graduate dr. Of Sir Solimullah Medical College</td>
</tr>
<tr>
<td>Students</td>
<td>12</td>
<td>2 days</td>
<td>Social welfare, Jahangir Nagar University.</td>
</tr>
<tr>
<td>Students</td>
<td>10</td>
<td>2 days</td>
<td>Same as above.</td>
</tr>
<tr>
<td>Professionals</td>
<td>500</td>
<td>1 day</td>
<td>Different ministry of BD govt. Organized by BIRTAN.</td>
</tr>
<tr>
<td>Nurses</td>
<td>10</td>
<td>1</td>
<td>IMC</td>
</tr>
<tr>
<td>Nurses</td>
<td>43</td>
<td></td>
<td>Nursing college of BIRDEM</td>
</tr>
<tr>
<td>Nurses</td>
<td>60</td>
<td>1</td>
<td>Mohakhali Nursing College</td>
</tr>
<tr>
<td>Nurses</td>
<td>60</td>
<td>1</td>
<td>Mohakhali Nursing College</td>
</tr>
</tbody>
</table>

Department of Internal Medicine
- The Department serves as one of the centers for MCPS examination and has completed three sessions successfully.
- The Department serves as one of the centers for FCPS examination and has completed three sessions successfully.

Department of Pharmacology and Cell Biology
- Training program completed on "Clinical Nutrition and Dietetics" - 4 batches.
- Supervised the internship program of 4th year students from Department of food and Nutrition, College of Home Economics.

Department of Critical Care Medicine (CCM)
- Since 2017 CPR has become a three-day a month program.

Department of Surgery
- Resident's academic program.
- Undergraduate teaching program.
- Short and long term training courses on laparoscopic surgery.
- Training courses at MISC.
- Surgical skill training.
- Skill training in laparoscopic surgery for surgeons.

Department of Radiology & Imaging
- Training of doctors deputed from different Affiliated Associations of BADAS.
- Medical Technology Training.
- Honorary Training of post-graduate doctors.
- FCPS second part training.

Department of Hepato-Biliary-Pancreatic Surgery (HBPS)
Forthnightly (alternate Wednesday) CME program on liver transplant and Hepato-Biliary - Pancreatic surgical cases in Organ Transplant premises.

Department of Pediatrics and Neonatology
- Weekly motivational mothers meeting on breastfeeding.
- Monthly perinatal death audit.
- Facilitator of Integrated Management of Childhood Illness (IMCI)
- Master trainer of Helping Babies Breathe Initiative (HBB)
- Facilitator of Emergency Triage & Treatment (ETAT)
- Master trainer of Comprehensive Newborn Care Package (CNCP)
### Institute
- **BIRDEM**
  - 6 weeks Laparoscopic Surgery Training Course at MISC dept. of Obs. & Gynae.

### Department of Ophthalmology
- Certified 6-month course in Medical Education from January to June 2018.

### Division of Laboratory Services

<table>
<thead>
<tr>
<th>Teaching facilities/ Course</th>
<th>Name of the course</th>
<th>Duration of course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Placement from other departments of BIRDEM</td>
<td>MD, Microbiology</td>
<td>3 months</td>
</tr>
<tr>
<td></td>
<td>MD, Histopathology</td>
<td>3 months</td>
</tr>
<tr>
<td>Placements from BSMMU</td>
<td>MD, Clinical Pathology</td>
<td>7 days</td>
</tr>
<tr>
<td>Placements from Armed Forces</td>
<td>Grading course of AFIP</td>
<td>7 days</td>
</tr>
<tr>
<td>Training from various institutes</td>
<td>Students from Dhaka University, Rajshahi University and from different Institutes of Health Technology at Dhaka city</td>
<td>3 months to 6 months</td>
</tr>
</tbody>
</table>

### Department of Transfusion Medicine

Academic Activities: FCPS -2 years training recognition.

<table>
<thead>
<tr>
<th>Courses</th>
<th>Name of the Courses</th>
<th>No of Student/Participant</th>
</tr>
</thead>
</table>
| Formal course | 1. BS&T  
| | 2. CPS-2years training recognition | 5 |
| Training | MD, MS, FCPS, DBS&T, MBBS (IMC) | 280 |
| Seminar | Stem cell therapeutics | 220 |
| CME | CME on Iron Chelation therapy | 30 |

### Department of Histopathology & Cytopathology

Field training has been given on Histopathology for medical technologists.
The department conducted tutorial and practical classes for other post graduate students. For instance, DDV & MD non-residency courses.

### Department of Immunology

<table>
<thead>
<tr>
<th>Courses</th>
<th>Name of the courses</th>
<th>No. of Student/participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Training program</td>
<td>1-6 months training</td>
<td>22</td>
</tr>
</tbody>
</table>
Department of Radiology & Imaging
- Training is given to doctors deputed from different district branches of the BADAS including Medical Technology Training, Honorary Training of post-graduate doctors.
- Both theoretical & practical classes are taken regularly by the faculty members for the aforementioned courses/students.

Department of Pharmacology, Cell Biology
- Coordinates a Research Methodology course organized by BIRDEM Academy.
- Ethics expert gives lectures on research ethics.
- One month training program on “Clinical Nutrition and Dietetics” (4 batches).
- Supervision of the internship program of 4th year students of Department of Food and Nutrition, College of Home Economics.

Department of Health Education

<table>
<thead>
<tr>
<th>Performed services</th>
<th>Service received (number of persons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Patient education</td>
<td>12,469</td>
</tr>
<tr>
<td>For newly detected diabetic patients (in group)</td>
<td></td>
</tr>
<tr>
<td>2. Training program</td>
<td>7 Educators received formal 02-week Diabetes Educators Training</td>
</tr>
<tr>
<td>Training of educators</td>
<td></td>
</tr>
<tr>
<td>3. Clinical service</td>
<td>7300</td>
</tr>
<tr>
<td>Out-patient clinical follow-up</td>
<td></td>
</tr>
<tr>
<td>4. Other service</td>
<td>8 visits by 405 persons of 5 institutes</td>
</tr>
<tr>
<td>Visit by various institutes as part of academic program</td>
<td></td>
</tr>
<tr>
<td>5. Glucometer service</td>
<td>1296</td>
</tr>
<tr>
<td>Training on glucometer operation</td>
<td></td>
</tr>
<tr>
<td>Tests done by glucometer</td>
<td>35,786</td>
</tr>
<tr>
<td>6. Insulin injection training</td>
<td>6804</td>
</tr>
<tr>
<td>Syringe &amp; vial</td>
<td></td>
</tr>
<tr>
<td>Pen device</td>
<td>3564</td>
</tr>
</tbody>
</table>
Ibrahim Cardiac Hospital & Research Institute (ICHRI)

Nursing Courses

1. Training Course on Cardiac Nursing:
A three-month long ‘Training Course on Cardiac Nursing’ program organized for professional development of Nurses. During the year, two courses have been completed where 28 participants successfully passed the course.

Lt. Col (Rtd) Dr. Md. Hamidur Rahman, Head of Anaesthesiology is the Adviser, Mst. Zibon Nahar is the coordinator and Shahana Akter is the Nursing Instructor of the course.

2. Diploma in Cardiac Nursing Course:
Session 2018-2019 (7th batch): Diploma in Cardiac Nursing Course (Duration - 01 year) for the session of 2018-2019 (7th batch) under Bangladesh Nursing Council has been completed. 18 students appeared in the final examination conducted centrally by Bangladesh Nursing Council in which 17 students passed successfully.

Session 2019-2020 (8th batch): Diploma in Cardiac Nursing Session (2019-2020) was started from 7th July, 2019 in which 17 students were admitted in the session.

Bangladesh University of Health Sciences (BUHS)

<table>
<thead>
<tr>
<th>Name of the Hospital/ Health Care Centre</th>
<th>Course/ Training</th>
<th>No of Trainers/ Training</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dept. of Health Promotion &amp; Health Education, BUHS</td>
<td>Training on ‘Communication skill development training for Junior Executives of BUHS’</td>
<td>2 Participants</td>
</tr>
<tr>
<td>Dept. of Pharmacology and Dept. of Chemistry</td>
<td>8th ANRAP training workshop</td>
<td>23 participants</td>
</tr>
<tr>
<td>i. Asian Network of Research on Anti-Diabetic Plants (ANRAP)</td>
<td>70th Training Program of NITUB</td>
<td>20 participants</td>
</tr>
<tr>
<td>ii. Network of Instrument Technical personnel and User scientists of Bangladesh (NITUB) (Dept. of Pharmacology and Dept. of Chemistry organized Training Program jointly)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dept. of Community Medicine: National Heart Foundation</td>
<td>Bioethics Training Course from 3-5 August, 2018 jointly by AUSN and Bangladesh Bioethics Society</td>
<td>469 (Trainees) 3 (Trainers) 16 (Sessions)</td>
</tr>
<tr>
<td>Dept. of Reproductive &amp; Child Health</td>
<td>Capacity Development for Combating Non-Communicable Diseases in Rohingya Population</td>
<td>8</td>
</tr>
<tr>
<td>Dept. of Biostatistics</td>
<td>Learn Statistics Using SPSS</td>
<td>2</td>
</tr>
<tr>
<td>Dept. of Health Informatics: Ministry of Health and Family Welfare,(MOHFW)</td>
<td>10-day Computer Training to Govt. Nurses 10-days Computer Training to Govt. Statistician</td>
<td>8 8</td>
</tr>
</tbody>
</table>
3. **Hands on Training “Care for ventilated patients”:**
   A seven-day long Hands on training program titled “Care for the ventilated patient” has been organized for professional development of Doctors and Nurses. During the year, two courses have been completed where 12 Doctors and 20 Nurses participated and passed the courses successfully.

4. **CPR (Cardio Pulmonary Resuscitation) Training**
   A one-day CPR training program has been organized for professional development of Doctors and Nurses. During the year, 3 courses have been completed where 11 Doctors and 72 Nurses participated and passed the training successfully.

5. **Certificate Course in Geriatric Care:**
   (Session: January - December, 2018) (1st Batch): One year special certificate course in Geriatric Care has been introduced at Ibrahim Cardiac Hospital to prepare trained manpower in our country for taking care of senior citizens. The course started on 31 January, 2018 where 16 students passed the course successfully.

   (Session: January - December, 2019) (2nd Batch): The course started on 31 January, 2019 where 20 students are continuing the course.

**Training Program under BADAS facilities**
   - A 1-month Training Program on “Prevention of Foot Care” was organized at Wari Foot Care Hospital, NHN from 23rd June to 1st July 2018.
   - A 6-week Training Program on “Prevention of Foot Care” was organized at Ibrahim General & Foot Care Hospital, ICHRI and BIHS Hospital from 16 March 2019.
   - A 1-month Training Program on “Pediatrics and neonatology” was organized at the Department of Pediatrics and neonatology at BIRDEM-2 Hospital from 1 August to 30 August, 2018.
   - A 6-week Training Program on “Laboratory Technique” was organized at BIRDEM Hospital.
   - Regional Workshop on “Prevention and Management of Diabetes mellitus” was organized at Chandpur Diabetic Association on 26 July, 2018 and at Nipharam Diabetic Association on 21 June, 2019.
   - A 14-day Dietary Training was organized at the Department of Diet and Nutrition for Health Educators from 28 November to 12 December, 2018.
   - Campaign on Community Awareness and Meeting on awareness of TB Diabetes Co-morbidity were organized by USAID-BADAS Challenge TB at Jessore, Gazipur, Manikganj, Gopalganj and Feni Diabetic Association on 18 November, 28 November, 2 December, 2018, 3 February and 16 February, 2019.
INCREASING HEALTH SERVICE COVERAGE

BADAS strongly supports the progressive realization of universal health coverage, with special attention to the needs of General Population while giving special emphasis on Diabetes. The vision is that, all the people should be provided with the health services they need.

These services include primitive, preventive, curative and rehabilitative interventions that are of good quality. The services are made available at a reasonable cost to avoid suffering of financial hardship.

Realizing the fact, BADAS started some of the projects in collaboration with various organizations.

Some of the projects are as follows:

1. Nationwide Free Diabetes Screening

   Diabetes Association of Bangladesh (BADAS) initiated a program from November 2018 to March 2019 to test diabetes free of cost in more than one lakh people. The objectives of the program were to investigate the rate of unknown diabetes and associated risk factors among adults in Bangladesh as well as to evaluate people’s level of knowledge about diabetes. This program was carried out in 800 spots of 500 thanas around the country. To implement it, a team comprising of 5-6 healthcare members was formed for each spot. Apart from 102 centers/hospitals of the BADAS and its Affiliate Associations around the country, various educational institutions, governmental and non-governmental organizations were also brought under the program by setting up a specialized center. People aged at least 18 years came to the spots with an empty stomach were tested. According to the preliminary findings, the rate of unknown diabetes is 25.6% and rate of necessary knowledge about diabetes is only 39.4%.

2. Nationwide survey of gestational diabetes (GDM) and its associated risk factors

   Centre for Global Health Research of BADAS conducted another nationwide survey of GDM and its associated risk factors. The study was undertaken in 70 institutions of the Diabetic Association of Bangladesh (BADAS) covering all the 64 districts of Bangladesh. A total of 7000 pregnant women were investigated in this survey. According to the preliminary findings, the rate of GDM is 26.4%, and the rate of necessary knowledge about GDM is only 26.3%.

3. Free insulin for type 1 diabetic people

   BADAS had been working for the last few years to create a mass awareness empathizing that children with diabetes have a right to a full life and access to insulin is a human right for them. Finally through persuasion, Bangladesh Government has agreed in principle to provide all the type 1 diabetic patients in the country with free insulin. The government will also provide them with glucometer plus strips, insulin pumps, CGM machine support. Honorable Prime Minister will publicly announce this in early next year as
one of the activities taken to mark the ‘Mujib-Barsha, centenary of the father of the nation Bangabandhu Sheikh Mujibur Rahman.

4. **Introduce Nationwide Electronic Registry**

BADAS is currently looking after 64% (around 4.5 million) of the total diabetic patient in Bangladesh. Bangladesh Nationwide Diabetes Registry (BNDR) is the new initiative of Diabetic Association of Bangladesh (BADAS) to digitize mass patient data. The aim is to register every patient visiting the Centers, Institutions, and Hospitals of BADAS into the system. Each patient registered into the electronic health record shall receive a Unique Uniform Identification Code (UUIC). The UUIC will help improve patient mobility within the nationwide framework of medical centers and hospitals of BADAS. Meanwhile electronic registry started in 30 centres of BADAS.

5. **Introduce Mobile Healthline Service (Ibrahim Healthline)**

Ibrahim Healthline launched its 5-digit number, 10614 at a ceremony that was graced by the Honorable State Minister of the Information and Communication Technology (ICT). Members of Ibrahim Healthline can now speak 24 hours a day, seven days a week, directly to a panel of health professionals including doctors, nutritionists, health educators. Apart from the Call Center doctors and nutritionists, each station has a team of at least six people to look after the day to day operations of the call center stations and patient registration for Ibrahim Healthline.

6. **BADAS Diabetes Care Guideline and Diabetes Journey**

BADAS published country’s first diabetes care guideline and launched an app-based treatment approach called Diabetes journey. These initiatives will help expand the specialist physicians’ base and empower the physicians to enhance the treatment of diabetes while ensuring quality care.

7. **SAARC Diabetes Control 2030**

BADAS hosted a meeting “SAARC Diabetes Control 2030” on 7 and 8 September, 2019 in Dhaka to combine efforts and achieve substantial improvements in the prevention and control of diabetes in the region. The Healthcare experts from SAARC nations teamed up in Dhaka and unanimously agreed to target control and prevent diabetes with an aim to reduce diabetic epidemic by 50% and improve glycemic control reaching satisfactory level (average HbA1c below by 8.5) by 2030.

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On 25th September 2018 Ibrahim Healthline launched its 5-digit number, 10614, and the ceremony was graced by the Honourable State Minister of ICT.
Micro Insurance Project

Micro Insurance Project is one of the important projects of BADAS started in collaboration with the UICL (United Insurance Company, Limited) and New Asia Group of Garments for providing approximately 9000-10,000 garment industry workers with comprehensive Medicare. In the pilot phase, Swiss Micro Insurance Consultancy Group (SMCG), Swiss Tropical and Public Health Institute (Swiss TPH) and TRCL (Telemedicine Reference Centre Ltd.) have been collaborated to set up the initial system with their practical experience and expertise. BADAS successfully completed 2nd year of the Micro Insurance (MI) that has provided the garments workers with health care support in collaboration with National Health Care Network (NHN), which is one of the largest enterprises of BADAS. Through MI, garment workers were able to have access to health service facilities from NHN centers in return for a minimalistic premium fee paid to an insurance company. Besides, other BADAS centers also involve in case of referrals and higher care components. The premium fee is reimbursed by the workers’ employer that covers the costs for the health service.

Universal Health Coverage Plan (UHCP)

Health Education and Disease Prevention (Awareness Program)

Health Education Module:
- Nutrition
- Hygiene, Communicable & Non Communicable diseases
- Mother & Child health
- Occupational health
- Financial literacy

Health Education and Awareness was conducted through sessions by professional trainer using booklets, leaflets and videos.

Health Education is considered as a significant part of the UHCP Package. Effective health education can raise awareness
1. To adopt healthy lifestyle.
2. To adopt better food habits.
3. To prevent the onset and occurrence of communicable diseases such as malaria, influenza, common cold etc.
4. For safety and lifestyle habits at workplace
5. About preconception, pre-natal, post-natal and maternity care regarding the expenditure of health.

Garment Factories

Abloom Design Ltd

In February 2018, UHCP made a 4-year agreement with Abloom Design Ltd. Garment factory to provide Abloom employees and workers with comprehensive healthcare facilities.

1500 Abloom employees and workers are being provided with Comprehensive Group Medical Coverage through UHCP.

Lexel Knitwear Ltd:

In August 2019, UHCP made 4-year agreement with another garment factory named Lexel Knitwear Ltd. At present UHCP is providing above 700 Lexel Knitwear employees and workers with healthcare.
TOWARDS EXCELLENCE IN BIOMEDICAL RESEARCH

Areas of major research

1. Basic Science Research
   - Endocrinology, Microbiology, Histopathology & Cytopathology, Immunology, Radiology & Imaging, Biochemistry and Cell Biology, Pharmacology, Physiology.

2. Clinical Science Research
   - Dentistry, Dermatology, Internal Medicine, Gastrointestinal, Hepatobiliary and Pancreatic Disorders (GHPD), Nephrology, Endocrinology and Pulmonology, Cardiology, Pediatrics and Neonatology, Anesthesiology, Transfusion Medicine, Hemodialysis,

3. Public Health
   - Socioeconomic Research, Health Economics, Nutrition, Epidemiology and Biostatistics, Community Nutrition, Health Promotion and Health Education, Noncommunicable Diseases (NCD).

Special Focus on

- Diabetes care and complication study
- Epidemiology of diabetes mellitus and other NCDs
- Socio-economic consequences of NCDs
- Public Health aspects of diabetes and other NCDs
- Etiopathogenesis of diabetes and its complications
- Plant materials as a source of antidiabetic agents
- Prevention of type 2 DM through lifestyle and dietary interventions
- Obstetrics & gynecological complications among diabetic subjects

Publications

Various types of publication for prevention

Kanti

BADAS Publication Department published three issues of the healthcare magazine ‘Kanti’ in this financial year on the Awareness Day, Diabetes Service day and World Diabetes Day. Special issues on Nutrition have been published by the support of WDF.

Ibrahim Medical College published two issues of the IMC Journal of Medical Sciences.

BIRDEM published two issues of the BIRDEM Medical Journal.

Ibrahim Cardiac Hospital regularly published two issues of the Journal & Special bulletin on cardiac complication Cardiac Barta.

BADAS published monthly Diabetes News Letter which attracted the readers from its inception. The articles published in the News Letter are written by the specialized Doctors and Nutritionists on various health issues.

Manual of Distance Learning Program and Capacity Development for Combating Gestational Diabetes Mellitus has been published.

Various types of leaflet, poster, banner, flip chart, flash
card (like diabetes awareness, life style modification and prevention of diabetes, metabolic syndrome and so on) have been published and circulated to the mass population.

Publications in the FY 2018-19 in International Indexed Journals are 239 and National Indexed Journals are 521

A Memorandum of Understanding (MOU) has been signed in August 2018 with the Non Communicable Disease Control (NCDCC) of the Director General of Health Services (DGHS). Bangladesh University of Health Sciences (BUHS) is the implementing partner of this project while the DGHS, UNHCR and Cox’s Bazar Diabetic Somiti are the collaborating partners.

Screening of Rohingya women in pregnancy for major NCDs and development of referral system for management of hypertension, diabetes and hyperglycemia are the highlights of the six objectives of the project. The project has obtained necessary permission and support letters from concerned government authorities including the Refugee Health Unit of Refugee Relief and Repatriation Commissioner (RRRC) office.

Department of Reproductive and Child Health (RCH) of Bangladesh University of Health Sciences implementing Project “Capacity Development for Combating Non-Communicable Diseases in Rohingya Population”

Capacity Development for Combating Non-Communicable Diseases in Rohingya Population.
Outstanding Contribution
ANRAP International Seminar 2019
Almost 200 Research Projects are approved with Funds and going on.
Workshop, Conferences and Seminars
Ibrahim Cardiac Conference on Interventional Cardiology
Ibrahim Cardiac Conference on Interventional Cardiology was held on 21 June, 2019. We had telecasted the live cases successfully from our cath lab to Pan Pacific Sonargaon Hotel. Eminent cardiologists from home and abroad participated in this conference. Professor M. Maksumul Haq (ICHRI), Dr. Azit Mulasary (India), Dr. Nimit Shah (India), Dr. Hiroki Emori (Japan), Dr. Hiroki Watanabe (Japan) and Dr. Stanley Amarasekara (Srilanka) attended in the conference and all the faculties from home and abroad to make the program a success. From now on such types of conference will be organized each year.

Seminars and Conferences at Bangladesh Institute of Health Sciences
Seminar on Scopes & Opportunities of Health Promotion & Health Education for Future Public Health Professionals organized by BUHS:

Hands-on Training Program for Community Health Workers Working in FDMN Population Cox’s Bazar
Advocacy Meeting with Community Leaders in FDMN Population
Seminar on “Scopes and opportunities of eHealth in Bangladesh” at Armed Forces Medical College (AFMC)
Dr. Sharmin Parveen, Dean, Faculty of Allied Health Sciences & Head, Department of Health Informatics, BUHS was elected as the president of (OWSD-BD) National Chapter.
Department of Health Informatics in partnership with Organization for Women in Science for the Developing World Bangladesh National Chapter (OWSD-BD) organized a seminar on “Role of Women in STEM in Bangladesh” to celebrate International Day of Women and Girls in Science. Prof Kishwar Azad, Professor of Pediatric Department of BIRDEM was the Chief Guest of the seminar.

Career Symposium
Department of Health Informatics, BUHS organized a Career Symposium on “Health Informatics”. Prof. A.K. Azad, DG, DGHS, MoHFW was the Chief Guest and Prof (Dr.) Faridul Alam, Vice-Chancellor of BUHS was the chair person of the symposium.
Dept. of Health Informatics in collaboration with a2i innovation Lab (a2i-lab) and United Nation Population Fund (UNFPA) organized a Workshop on "Problem Statement Workshop: Solution Hunt". Dr. Sharmin Parveen was the organizer and the Focal Person of a2i at BUHS.

Vice-Chancellor of BUHS, Dr. Sharmin Parveen and other Faculty Members of BUHS attended a seminar on “Public Health Approach for Reducing Health Inequality” in Taiwan National Cheng Kung University Medical College, from 19th January to 28th January. In this seminar, Dr. Sharmin Parveen talked about the research work of Health Informatics Dept.

Field Visit Activities

Students and Faculties of the Department of Health Informatics, BUHS attended a field visit at MIS, DGHS, MOHW on 6 August 2019, to know about their telemedicine centers, Data center, Biometric System and other eHealth facilities. 10 Upazila Health Complexes were connected from the remote areas of Bangladesh through video conference system. We had a very interactive session with doctors, system engineers of UHC and the active team of MIS. Thanks a lot to the Director and DD of MIS and special thanks to Dr Adnan for organizing this successful visit.

Dr. Mohammad Asaduzzaman Sadi accompanied and coordinated a field visit in National Heart Foundation Hospital and Research Institute on 4th May 2019 from 3.00 to 4.00 PM as a part of Knowledge Management course’s Project work. The visit was conducted to gather knowledge on Cardiac Arrest Patient in the emergency department.

A team of students and faculties of Department of Health Informatics, headed by Dr. Sharmin Parveen, organized a field visit to Kaliganj Upazila Health Complex to have the practical experience of the pilot project on shared health record of MIS, DGHS, Ministry of Health and Family Welfare.
ADDRESSING ACCESSIBILITY AND AFFORDABILITY

BADAS is continuously trying to make health care accessible and affordable to the people by saving substantial amount of indirect and opportunistic cost. It is also making a great contribution in affordability by creating human resources in health that ultimately helps increase supply in the health care market while lowering the cost.

Despite the resource constraints, BADAS is also emphasizing the learning issue of marginalization of the vulnerable groups (women, children, aged persons, tribal groups etc.) by offering free subsidized health care to several poorer patients, particularly with diabetes through a system of social welfare.

In FY 2018-19, an approximate average of 30% revenue from services in all Institutes of BADAS and Affiliated Associations was dedicated to social welfare. A Social Welfare Unit has been made mandatory in each organization of BADAS and Affiliated Associations. BADAS also arranges rehabilitation for the patients with special program.

It is understood, however, that the services are still highly limited. The BADAS model has attracted great attention due to its sustainability issue. It has been achieved in 3 district level integrated components. The organizational sustainability is earned by its decentralized plan and democratic management policy whereas technical sustainability is earned by attracting high quality human resources with competitive remuneration and career planning.

The challenging component of financial sustainability is achieved through a unique blend of Public-Private partnership and Cross-financing.

Rehabilitation and Vocational Training Centre
The main objective of Rehabilitation and Vocational Training Centre is to train the poor young diabetic patient and help them get employment after completing due training in different trades. This helps the Diabetic patients lead a meaningful, respectful and normal life by generating their own means and resources for the control of their diabetes.

Realizing the needs of poor diabetic and young diabetic patients, the Rehabilitation and Vocational Training Centre arranges different courses and training to generate skilled manpower. There are some courses under Bangladesh Technical
Education Board such as 3 and 6 month-course about Computer Literacy on Office Application, Graphic Design and Hardware, General Mechanics Training on Welding, Lathe Operating, fabrication etc. and Special Course on Beautification, Dress Making and Tailoring are also included.

changing diabetes* in children
Changing diabetes in children program (CDiC)

Changing diabetes in children program is an initiative of Diabetic Association of Bangladesh in joint collaboration with Novo Nordisk and WDF. It is an integrated approach for providing free, comprehensive and sustainable healthcare to children with diabetes in Bangladesh. The overall goal of the project is to increase access to diabetes care for children with Type-1 Diabetes so that they can live better lives. The aims of the project are:

- To establish a central Pediatric diabetes clinic in Dhaka and two satellite clinics in two districts of Bangladesh.
- To train doctors and educators in the diagnosis, management and complications of Diabetes in children.
- To develop a training manual for Health care professionals and education program for children and their families considering the special needs of the children.
- To provide free, comprehensive care including medical consultations, education, insulin and syringes, HbA1c with other investigations, Glucometer with strips to all children with diabetes.
- To organize Diabetes camp once in every year.
- To establish a national registry of children with diabetes.
- To create awareness about diabetes in the community.

The project was inaugurated in January 2010 at BIRDEM, Shahabag, Dhaka. The clinic was shifted from BIRDEM to BIRDEM-2. It was inaugurated by Crown Prince Frederik, Kingdom of Denmark, on 17 March, 2012. Teamwork was the main theme of CDIC which included Pediatric Diabetologist, Diabetes educators, Psychologist, Nutritionist and others.

Following services were provided free of cost at CDIC:
- Monthly consultation.
- Diabetes education.
- Psychosocial screening & counseling.
- Yearly review and complication screening.
- Investigations including-
  I. HbA1c.
  II. Urine for micro albumin.
  III. Blood Glucose.
  IV. Lipid profile & others.
- Insulin with syringes.
- Glucometer with strips.
- Transport cost to poor patient.
- Home visit of the non-complaints patients.

Organized Program
- Diabetes Camp annually.
- School awareness program.
- Awareness programs in media.
- Other Diabetic center visit.

Upto Financial Year 2018-19, a total of 2615 children and adolescents are enrolled in CDIC programme so far who are coming for follow up regularly. CDIC emphasizes on diabetes education combined with appropriate motivation of the patients, caregivers to improve the glycemic control and quality of lives. In FY 2018-19 Enrollment and Follow up
Life for a child (LFAC)

LFAC Program in Bangladesh is a joint initiative of BADAS (Bangladesh Diabetic Association) & IDF (International Diabetes Federation). It was started in July 2010. The aim was to provide free support to underprivileged young diabetics from 1 to 26 years of age.

LFAC is now covering 58 out of 64 districts of Bangladesh. Majority of the patients cannot afford to come to Dhaka center, so Insulin are sent to peripheral Diabetes centers. 2,965 children, adolescents and young adults have been enrolled in LFAC programme since June 2019. 2,67,500 pcs of strip was distributed in this FY and 929 patients are using glucometer.

Patients Enrollment From (2011-2019)
Patient Flow: Follow up in Dhaka

<table>
<thead>
<tr>
<th>Total patients</th>
<th>In Dhaka</th>
<th>Outside of Dhaka</th>
</tr>
</thead>
<tbody>
<tr>
<td>2965</td>
<td>1022</td>
<td>1943</td>
</tr>
</tbody>
</table>

Service taken from Different centers:

<table>
<thead>
<tr>
<th>Bogura</th>
<th>Lalmonirhat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chandpur</td>
<td>Manikgonj</td>
</tr>
<tr>
<td>Chapai N</td>
<td>Mymensingh</td>
</tr>
<tr>
<td>Chitagong</td>
<td>Natore</td>
</tr>
<tr>
<td>Comilla</td>
<td>Nilfamari</td>
</tr>
<tr>
<td>Cox’s Bazar</td>
<td>Noakhali</td>
</tr>
<tr>
<td>Dinajpur</td>
<td>Pabna</td>
</tr>
<tr>
<td>Faridpur</td>
<td>Panchagarh</td>
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<tr>
<td>Feni</td>
<td>Patuakhali</td>
</tr>
<tr>
<td>Gazipur</td>
<td>Rajbari</td>
</tr>
<tr>
<td>Jamalpur</td>
<td>Rangpur</td>
</tr>
<tr>
<td>Jhenidah</td>
<td>Sherpur</td>
</tr>
<tr>
<td>Joypurhat</td>
<td>Thakurgaon</td>
</tr>
<tr>
<td>Khulna</td>
<td>Magura</td>
</tr>
<tr>
<td>Kishoregonj</td>
<td>Bheramara</td>
</tr>
<tr>
<td>Kaliakoir</td>
<td>Jashore</td>
</tr>
<tr>
<td>Kurigram</td>
<td>Sayedpur</td>
</tr>
<tr>
<td>Kustia</td>
<td>Lalmonirhat</td>
</tr>
</tbody>
</table>

Screening:(2018-2019)

<table>
<thead>
<tr>
<th>Name of test</th>
<th>Number of testing</th>
</tr>
</thead>
<tbody>
<tr>
<td>HbA1c test</td>
<td>1607</td>
</tr>
<tr>
<td>Urine for M/A</td>
<td>246</td>
</tr>
</tbody>
</table>
CONTRIBUTING TOWARDS REGIONAL DEVELOPMENT

In the context of a country like Bangladesh where research activities are usually thought to be a luxury, BADAS has taken an unusual approach by incorporating research in its priority list. Activities in this sector range from basic to clinical and public health research. As a recognition, the BIRDEM Enterprise of BADAS has been designated as Centre for research on the Prevention and Control of Diabetes and its Complications. At present, different organizations, particularly BIRDEM and BUHS are the preferred destination of a large number of basic and clinical sciences as well as public health students (from home and abroad) for conducting their postgraduate level thesis works.

Exchange of Views
International Conference and Seminar
- International Conference on Dentistry and integrated Medicine was held during 7 to 8 May, 2018, Tokyo, Japan.
- 6th “Asian Society of Head and Neck Oncology (ASHNO) Conference” was held from 27 March, 2019 to 2 April, 2019 in Seoul, South Korea.
- “Rhino World Congress” from 5 to 9 June, 2019 in Sheraton Grand Hotel, Chicago, USA.
- Advance GI endoscopy (POEM, EUS guided Cystostomy) and ERCP training and Workshop at Asian Institute of Gastroenterology, Hyderabad, India. 5 to 6 January, 2019.
- Royal College of Obstetricians and Gynaecologists (RCOG) and South Asian Federation of Obstetrics and Gynaecology (SAFOG) Scientific meeting, London, on 6 July, 2018.
- Regional Meeting on Strengthen Nursing and Midwifery Education and Service to Improve Reproductive, Maternal and Newborn Health in South-East Asia Region in New Delhi, India from 5 to 7 February, 2019.
- FIGO’s XXII Congress was held in Rio de Janeiro, from 14 to 19 October, 2018.
- “RCOG world Congress 2019’ from 17 to 19 June, 2019 at ExCel Exhibition Centre, London, UK.
- 34th World Congress of Internal Medicine (WCIM 2018) 18 to 21 October, 2018, 12:00, Cape Town, South Africa.
- 10th APPES scientific meeting, held from 7 to 10 November, 2018 in Chiang Mai, Thailand.
- 44th Annual conference of International Society for Pediatric and Adolescent Diabetes (ISPAD) held from 11 to 14, October 2018 in Hyderabad, India.
- International Conference on Kidney (ICK) during 28 to 29 June, 2018 in Berlin, Germany.
• 33rd International Epilepsy Congress at Centara Grand & Bangkok Convention Centre at Centralworld on 22 to 26 June, 2019 in Bangkok, Thailand.

• 54th European Association for the Study of Diabetes (EASD) Annual Meeting 2018 in Berlin, Germany. 1 to 5 October, 2018.

• American Association of Clinical Endocrinologists (AACE) 28th Annual Scientific & Clinical Congress from 24 to 28 April, 2019 at Los Angeles Convention Center, Los Angeles, California, United States of America.

• Ophthalmological Society of West Bengal (OSWB) Conference 2018 at Westin Hotel, Newtown, Kolkata, India dated on 14 to 15 July, 2018.

• 31st Asia-Pacific Association of Cataract & Refractive Surgeons (APACRS) conference held at Chiang Mai, Thailand, dated on 19 to 21 July, 2018.

• 4th Al Qassimi Ophthalmology International Conference (QIOC) 2019 held at Dubai, UAE from 7 to 9 March, 2019.

• 34th Congress of Asia Pacific Academy of Ophthalmology (APAO) held at Bangkok, Thailand dated on 6 to 9 March, 2019.

• 18th Annual Conference on Nephrology held in Singapore, from 11 to 16 September, 2018

• 18th Annual Conference on Urology & Nephrology held in Bali, Indonesia from 13 to 19 March, 2019

• 10th Nephrology Board Review course on Nephrology held in Mumbai, India from 1st May to 06th May, 2019.

• 56th European Renal Association - European Dialysis and Transplant Association (ERA-EDTA) Congress 13 to 16 June, 2019 in Budapest, Hungary

• “79th scientific sessions of American Diabetes Association (ADA) conference, Moscone Center in San Francisco, California” 7 to 11 June, 2019.

• 9th International Seminar “From Plant to Patient: Identification of New Drugs for Metabolic Disorders”, Dr. Panjwani Center for Molecular Medicine and Drug Research (International Center for Chemical and Biological Sciences, University of Karachi, Karachi, Pakistan, 25 to 27 January, 2019.

Collaboration of BADAS with different International Organizations/Universities

DaAn Health, China
Aga Khan Foundation
World Diabetes Foundation
Self-funding of CGHR
FAO, Bangladesh Office
Ministry of Science and Technology
University of Oslo, Norway
Bangladesh Academy of Sciences
Rotary Club of Metropolitan, Dhaka
Swiss Tropical Institute
USAID
Taras Shevchenko National University of Kyiv
University of Santo Tomas, Manila, Philippines
The University of Queensland, Australia
University of Karachi, Pakistan
University of Copenhagen, Denmark
Deakin University (Australia)

University of New South Wales (Australia)
University of Western Sydney (Australia)
University of Putra (Malaysia)
University of Ukraine
European Union (FP7-HEALTH-2011)
University of Pennstate, Pennsylvania, USA
Baqai Medical University, Karachi, Pakistan
University of Kolkata, India
Malaysia Healthcare Travel Council (MHTC), Ministry of Health, Malaysia (MOH)
Max Canter for Liver Transplant and Biliary Science (MCLBS), New Delhi, India
Danish Knowledge Center for Rehabilitation and Palliative Care (REHHA), Denmark, DK, and
University of Exeter Medical School, Exeter, UK
Muntada Aid, UK, Paediatric Therapy and Surgery
Informal Education
Distance Learning Program (DLP) is a project of the Diabetic Association of Bangladesh to run distance learning course with a view to develop manpower in the field of diabetes throughout the country. The course was introduced in collaboration with the Open University, UK in 2004.

The duration of these courses is six months. There are two sessions that include: January-June & July-December.

BADAS also offers other short courses.

Collaboration with AFASSA
According to general understanding with AFASSA, ANRAP keeps a small amount of money to provide subsistence allowance to a young scientist or post-graduate student if he or she comes from Africa or South America to an ANRAP participating laboratory in Asia. AFASSA is supposed to bear her/his travel expenses either from its own fund or from some other sources. Although there were two Fellowship possibilities that had been discussed: one from Cameroon to Dhaka and one from Mauritius to Karachi. However, none of them worked out.

AFASSA was funded by IPICS in 2010, but it is possible that AFASSA will secure fund from other sources. It is also likely that if any constituent Network of AFASSA sends a Fellow to Asia to work in the area of anti-diabetic plants, ANRAP will bear her/his local hospitality.

South Asian Federation of Endocrine Societies (SAFES) has endorsed the education program on preconception care.

Nutritional Workshop was held by the Centre for Global Health Research to improve community awareness on preconception care and prevention of non-communicable diseases (NCDs), particularly gestational diabetes (GDM), among newly married couples of Bangladesh.

Workshop on the preparation of the Consensus Guide Line on the basis of a two-year evaluation and opinion of pre-pregnancy services project.

A workshop was held at the auditorium of BIRDEM General Hospital on 26 July, 2018 on the basis of a two-year evaluation and opinion of the pre-pregnancy service project. Mr Bikash Kumar Saha, Joint Secretary, Ministry of Law and Parliamentary Affairs; Mr. Sarwar Kamal, President, Rotary Club-Ramna; Md. Khalilur Rahman Sardar, President, Muslim Nikah Registers Association and Joint Qazi Committee Anand Sethi, Vice President and General Manager, Novo Nordisk were given Honor to assist in pre-pregnancy services project. On the basis of performance, honors were given to Bogra Diabetic Association, Faridpur Diabetic Association and Shahid-Khalek Ibrahim General Hospital in Wari.
ACTIVITIES BEYOND THE COUNTRIES

A memorandum of understanding (MoU) was signed on July 2018 between Dhaka South City Corporation (DSCC) and National Healthcare Network (NHN) of Bangladesh Diabetic Somiti (BADAS) to run an outdoor Health Complex on the first floor of newly-constructed Mayor Mohammad Sayeed Khokon Community Centre at Gendaria in Dhaka. Dr MA Samad, Chief Executive Officer of NHN, and Brig Gen Dr Sheikh Salauuddin, Chief Medical Officer of DSCC, signed the deal on behalf of their respective organizations. Golam Kibria Bhuiyan, Khan Mohammad Bilal and AKM Mamunur Rashid were present at the meeting.
Nationwide Digital Patient Registry

Secretary General Md Sayef Uddin and Novo Nordisk’s Senior Vice President Frederik Kier signed a memorandum of understanding (MoU) to develop the Digital Registry.

The electronic registry will be implemented through the institutions of Diabetic Association of Bangladesh (BADAS) and its affiliated associations across the country with the support of Novo Nordisk.

First nationwide digital patient registry launched

Social Welfare Minister Rashed Khan Menon inaugurates the electronic diabetes patient registry at a program on Saturday, 8 September, 2018

As a chief guest Rashed Khan Menon said, “The launching of the nationwide electronic diabetes patient registry is a big milestone for Bangladesh. This initiative will bring benefits for patients living with diabetes.”
EXPANDING MOVEMENT OF DIABETES CARE DELIVERY

Special Project

Smoking Cessation intervention program began in the Department of Dental Surgery. Tobacco users are requested to contact at the department of dental surgery. Junior Consultant, Department of Psychiatry BIRDEM and Clinical Psychologist of MANAS attend “Tobacco Cessation and Quit smoking program” every Thursday of the week.

Expansion of Healthcare

- New Dental OT in Ibrahim Medical College Annex Building
- Opening ceremony, Women and Children Hospital, Uttara on 12 September, 2018
- Opening Ceremony Ibrahim Memorial Mayor Md. Sayed Khokan Shasthya-Kendra on 13 February, 2018
- Opening Ceremony Tareque Memorial-Ibrahim General Hospital On 7 January, 2019.
- Call centre short code 01614 opening ceremony on 25 october, 2018

New upcoming Projects

In the near future, NNH is planning to set up more Health care Centres, Hospitals and Nursing Colleges such as,

1. Khairunnessa Medical College & Hospital and Rabeya Nursing College, Cumilla.
2. Nursing Institute at MPL-Meghnaghat.

Pre-Conception Care

On 30 July 2018, Ministry of Law, Justice and Parliamentary Affairs, Government of the People’s Republic of Bangladesh instructed all the Nikah registrars of the country associated with the “pre conception care” program to add “Healthy mother-healthy children-prosperous countries- all pre planned pregnancy” to the Marriage Registration (Kabin Nama).

Prevention of diabetes through religious leaders (Imams)

- Goal: To build community awareness on healthy lifestyle for the prevention and care of diabetes and other NCDs through involving religious leaders (Imams) in Bangladesh.
- Target people: Religious leaders (Imams) and Community people
- Study period: 24 months
- Study site: 100 Upazilas in Bangladesh
- Study duration: June 2018 – June 2020
- Funding Agency: WDF
- Study patterns: Diabetic Association of Bangladesh, Islamic Foundation, Ministry of Religious Affairs; and Non-Communicable Disease Control Program of Directorate General of Health Services of Government of the People’s Republic of Bangladesh.
Activities
1. One hundred (100) religious leaders (Imam) received intensive training on healthy lifestyle for the prevention and care of diabetes and other NCDs.
2. One hundred (100) diabetes corners establish in 100 Mosques in Dhaka division near to BADAS outpatients’ clinics.
3. Developed education toolkits including booklets (15,000), leaflets (20,000), posters (6000), flip chart (150), training manuals (300), stand banners (110), round board banners (110).
4. Three (3) television and Three (3) radio talk shows arranged for improving community awareness.
5. Develop a website and mobile help-line for improving awareness and patient’s compliance.
6. One documentary film developed for community awareness.
7. One mobile network established between Imams and Project office of BADAS for information sharing and data collection.
8. Two hundred (200) Medical and Nursing Students from 3 Medical Colleges and 2 Nursing Colleges of BADAS will be participated in two (2) advocacy meeting during project periods.
9. Around fifty thousand (50,000) people will receive screening and education services from these corners.
10. More than five (5) million general people will receive information on healthy lifestyle for the prevention and care of diabetes and other NCDs through religious leaders (Imams).
11. One (1) dissemination program will be organized after completion of the project to present and discuss the results among the stakeholders in Bangladesh, policy makers and donor agency.

Collaborators
- Non-Communicable Disease Control Program, DG Health, Ministry of Health and Family Welfare, Government of People’s Republic of Bangladesh
- Novo Nordisk, Bangladesh
- Incepta Pharma, Bangladesh
- Abbott International

Project duration
4 months (November 2018 – February 2019)

Total screening
100,000

Study sites
Apart from 102 centers/hospitals of the BADAS and its Affiliate Associations around the country, this programme carried out in 800 spots of 400 thanas around the country.

Key points:
- According to the preliminary findings, the rate of DM is 25.6%, and the rate of good knowledge about DM is only 38.8%.

BADAS Diabetes Care Guideline and Diabetes Journey
- BADAS first diabetes care guideline and app-based treatment approach called Diabetes journey.

Aims
- These initiatives will expand the specialist physicians base and will empower the physicians to enhance the treatment of diabetes ensuring quality care.
- Collaboration
- Diabetic Association of Bangladesh
- Non-Communicable Disease Control Program, DG Health, Ministry of Health and Family Welfare, Government of People’s Republic of Bangladesh
- NovoNordisk Bangladesh

SAARC Diabetes Control 2030
- Hosted a meeting “SAARC Diabetes Control 2030” on September 7 & 8, 2019 in Dhaka to combine efforts to achieve substantial improvements in the prevention and control of diabetes in the region.
• The Healthcare experts from SAARC nations met in Dhaka and unanimously agreed on some recommendations to target control and prevent diabetes with the aim to reduce diabetic epidemic by 50%, and improve glycemic control nearing satisfactory level (average HbA1c below by 8.5) by 2030.
• MOU with ICHRI & DLIC on Thursday, 7 February, 2019

- **Electrophysiology (EP) procedures**
  Ibrahim Cardiac Hospital cath-lab was fully equipped with cardiac Electrophysiology (EP) procedures last FY for both diagnostic and therapeutic purposes of different arrhythmias. The cardiac electro-physiologist Dr. Md. Hasanur Rahman, Associate Professor and Consultant of cardiology is handling the EP cases independently.

- **Department of Obstetrics & Gynaecology** is going to open Subspecialty in the department such as
  1. Reproductive Endocrinology & subfertility
  2. Fetomaternal Medicine
  3. Gynaecological Oncology and
  4. Female Urogynecology (Female pelvic Medicine and Reconstructive Surgery – FPM-RS)
FREE DIABETES HEALTH CARE DELIVERY

Financial Picture

Social Welfare department of BIRDEM started functioning since the inception of BADAS in 1956, with the following assignments:
1. To help the poor and destitute diabetic patients.
2. To rehabilitate the young diabetic patients.
In the FY 2018-19 BADAS provided Free service to the poor patients: Taka 91.11 crore

Table: Statement of Free Services during the Fiscal Year 2017-2018

<table>
<thead>
<tr>
<th>Name of the Institute /Project</th>
<th>Financial Year</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2017-2018</td>
</tr>
<tr>
<td>BIRDEM:</td>
<td></td>
</tr>
<tr>
<td>a. Medicine</td>
<td>3.31</td>
</tr>
<tr>
<td>b. Hospital Seat Rent</td>
<td>5.25</td>
</tr>
<tr>
<td>c. Operation</td>
<td>2.66</td>
</tr>
<tr>
<td>d. Investigations</td>
<td>15.44</td>
</tr>
<tr>
<td>e. Out Patients Services</td>
<td>15.44</td>
</tr>
<tr>
<td><strong>Sub Total</strong></td>
<td><strong>42.55</strong></td>
</tr>
<tr>
<td>BADAS for Insulin</td>
<td>7.30</td>
</tr>
<tr>
<td>NHN (Investigations)</td>
<td>2.96</td>
</tr>
<tr>
<td>HCDP (Investigations)</td>
<td>3.95</td>
</tr>
<tr>
<td>ICHRI (Discount)</td>
<td>24.61</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>81.37</strong></td>
</tr>
</tbody>
</table>
### BADAS Finance at a glance in FY 2017-2018 and FY 2018-2019

<table>
<thead>
<tr>
<th>Particulars</th>
<th>2017-2018 (Figures in Crore)</th>
<th>and</th>
<th>2018-2019 (Figures in Crore)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Income</td>
<td>Exp</td>
<td>Surplus/ (Deficit)</td>
</tr>
<tr>
<td>BADAS HO</td>
<td>54.74</td>
<td>55.66</td>
<td>(0.92)</td>
</tr>
<tr>
<td>BIRDEM</td>
<td>215.02</td>
<td>234.56</td>
<td>(19.55)</td>
</tr>
<tr>
<td>NHN</td>
<td>55.76</td>
<td>56.98</td>
<td>(1.21)</td>
</tr>
<tr>
<td>RVTC</td>
<td>3.47</td>
<td>3.71</td>
<td>(0.24)</td>
</tr>
<tr>
<td>ICHRRI</td>
<td>92.54</td>
<td>84.77</td>
<td>7.77</td>
</tr>
<tr>
<td>IMC</td>
<td>25.09</td>
<td>20.25</td>
<td>4.85</td>
</tr>
<tr>
<td>KALTU</td>
<td>0.36</td>
<td>0.41</td>
<td>(0.05)</td>
</tr>
<tr>
<td>BIHS</td>
<td>0.82</td>
<td>1.37</td>
<td>(0.55)</td>
</tr>
<tr>
<td>HCDP</td>
<td>84.26</td>
<td>103.85</td>
<td>(19.59)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>532.06</strong></td>
<td><strong>561.56</strong></td>
<td><strong>(29.50)</strong></td>
</tr>
</tbody>
</table>
## List of Significant Donors

List of significant donors in the current financial year 2018-2019

### BIRDEM

<table>
<thead>
<tr>
<th>S.No</th>
<th>Name</th>
<th>Address</th>
<th>Amount in BDT</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Obstetrical and Gynaecological Society of Bangladesh (OGSB)</td>
<td>Halcyon Heights, Flat A-3, 2/3 Mirpur Road, Block-A, Mohammadpur, Dhaka 1207, Bangladesh</td>
<td>15000.00</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Dhaka Insurance Limited</td>
<td>Dhaka Insurance Bhaban, 71, Purana Paltan Line, Dhaka-1000</td>
<td>15000.00</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Department of Ophthalmology, BIRDEM</td>
<td>BIRDEM General Hospital, 122 Kazi Nazrul Islam Avenue, Dhaka</td>
<td>15000.00</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Mrs Rafia Sultana, Sr Nursing Supervisor, BIRDEM</td>
<td>BIRDEM General Hospital, 122 Kazi Nazrul Islam Avenue, Dhaka</td>
<td>15000.00</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Dr. Tanzeen Sabina Chowdhury, Associate Professor</td>
<td>Gynae Special Unit and CARE, Department of Gynaecology &amp; Obstetrics, BIRDEM – II</td>
<td>15000.00</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Federal Insurance Company Limited</td>
<td>91, 2nd Fl, Kazi Nazrul Islam Avenue, Kawran Bazar, Dhaka 1215</td>
<td>20000.00</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Md Ariful Rahman Khan, Deputy Director, Distance Learning Program (DLP)</td>
<td>Diabetic Association of Bangladesh, 122 Kazi Nazrul Islam Avenue, Dhaka</td>
<td>15000.00</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Pubali Bank Limited</td>
<td>26, Dilkusha Commercial Area, Dhaka - 1000, Bangladesh</td>
<td>350000.00</td>
<td>Instrument-Surgical Laser System at Urology Department, BIRDEM</td>
</tr>
<tr>
<td>8</td>
<td>SQUARE Pharmaceuticals Ltd.</td>
<td>SQUARE Centre 48, Mohakhali C/A, Dhaka 1212, Bangladesh</td>
<td>15000.00</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Reliance Insurance Limited</td>
<td>Reliance Insurance Limited, 114 Kazi Nazrul Islam Ave, Dhaka 1000</td>
<td>120322.00</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Pragati Insurance Company Limited</td>
<td>Pragati Insurance Bhaban 20-21, Kawran Bazar, Dhaka - 1215, Bangladesh</td>
<td>116800.00</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Mrs Khaleda Khatun</td>
<td></td>
<td>15000.00</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Dr. A.S.M. Areef Ahsan MBBS,FCPS (Med), MD (Chest), MD (Critical Care Medicine), Professor &amp; Head</td>
<td>Department of Critical Care Medicine (CCM), BIRDEM General Hospital, BIRDEM General Hospital, 122 Kazi Nazrul Islam Avenue, Dhaka</td>
<td>30000.00</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>UniMed UniHealth Limited</td>
<td>House No. 46, Sheikh Kamal Saroni, Road No. 16, Rangs Nasim Square (6th &amp; 7th Floor), Dhanmondi, Dhaka 1209, Bangladesh</td>
<td>15000.00</td>
<td></td>
</tr>
</tbody>
</table>

### ICHRJ

<table>
<thead>
<tr>
<th>Name</th>
<th>Items</th>
<th>Amount</th>
<th>Utilized For</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mituli Mahbub</td>
<td>Haemodialysis Machine + Water Treatment Plant, Biphasic Defibrillator Machine with ECG, Pacing, Defibrillator Cardioversion, Portable Ventilation</td>
<td>3,094,80</td>
<td>Hospital Patient</td>
</tr>
<tr>
<td>Dewan Zenath Mohal</td>
<td>Patient Bed</td>
<td>200,000.00</td>
<td>Hospital Patient</td>
</tr>
<tr>
<td>Mrs Farida Rahman</td>
<td>For Hospital Patient</td>
<td>500,000.00</td>
<td>Hospital Patient</td>
</tr>
</tbody>
</table>
Private-Public Partnership

Currently, Private-Public Partnership (PPP) is one of the most widely appreciated strategies in almost all areas of development emphasizing particularly on health sector. Silently over the years, BADAS has been piloting one of the largest health programs in the whole world by following the principle of PPP. Almost all the capital developments in BADAS EPs and larger AAs have been contributed, directly or indirectly by the Government, predominantly through the Ministry of Social Welfare or Ministry of Health & Family Welfare. A number of private philanthropists and a few national/international enterprises/development partners have also contributed to the infrastructure development of BADAS facilities.

Meanwhile, BADAS generates almost all the operating expenditures on its own through high quality diagnostic treatment services and recently through education.

The annual contribution of the public sector fund to the recurrent budget of BADAS constitutes less than 15% of the total expenditure of the organization. Contribution from donation is insignificant in the overall budget. Only some research activities of projects of BADAS have some external support but that is a small part of the overall budget.

A number of local philanthropists also participated in this year for the development activities of BADAS. The BADAS Project and Development Division deals with the formulation of project documents, process of the approval and implementation of the projects/development works. It also regularly monitors the progress of project implementation and submits physical and financial progress reports to various institutions and authorities. A brief on the ongoing and future projects of BADAS is presented below:

1. Establishment of a 100-Bedded Specialized Hospital in Cumilla.

The project is being implemented by BADAS in association with the Department of Social Services under the Ministry of Social Welfare. It was approved by the Government of Bangladesh on 19 July, 2018 with a total cost of Tk. 4934.40 lakh (GoB: Tk. 3454.08 lakh and BADAS Tk. 1480.32 lakh). The implementation period of the project is from July 2017 to June 2020. The civil works of the project will be executed through PWD as deposit work. Appointment of the contractor for the construction of hospital is under process. No fund has been disbursed to PWD for this work till June 2019.
2. Construction of Malek Chowdhury Academic Building for Bangladesh University of Health Science (BUHS) at Darus-Salam, Mirpur, Dhaka. (2nd phase: 1st floor to 5th floor)

Notifications of Awards (NoAs) were issued to the contractor at a cost of Tk.1795.28 lakh by PWD. Structural works from first floor to fourth floor have already been completed. A total of Tk. 1,049 lakh was disbursed to PWD for this work till June 2019. Due to unavoidable circumstances, contract signed with the contractor was cancelled by PWD and work was taken up by BADAS.

3. Saima-Ibrahim Nursing College and Institute at Shafipur, Gazipur

A 4-storied building with an area of 38061 sq. ft. has already been constructed for this institute and handed over to National Health Care Network (NHN). The ground floor and first floor of the building are being used as nursing college as planned originally. Third floor has been designed as temporary accommodation for the foreign faculties while the fourth has been designed as hostel for the nurses; in which a contractor was selected. However, such works could not be started due to scarcity of fund.

4. Establishment of 2nd Unit (Cardiac and Thoracic) of Ibrahim Cardiac Hospital and Research Institute at Darus Salam in Mirpur, Dhaka.

A project proposal has been prepared to create more facilities for preventive, curative and primitive treatment of heart disease through extension of services by Ibrahim Cardiac Hospital and Research Institute at Darus Salam in Mirpur. BADAS will implement this project in association with Department of Social Services. The total cost of the project is estimated at Tk. 2,498 lakh (GoB 1,498 lakh and BADAS 1,000 lakh) with a project period from July 2019 to June 2022. Approval of DPP is under process in the Planning Commission.

5. Establishment of 25 bedded Diabetes Hospital at Ghorashal of Narsingdi district

A project proposal has been prepared to create more facilities for treatment of diabetes disease in Ghorashal under Palash upazila of Narsingdi district. BADAS will implement this project in association with Department of Social Services. The total cost of the project is estimated at Tk. 2,299 lakh (GoB 1,838.52 lakh and BADAS 460.48 lakh) with a project period from July 2019 to June 2022. The DPP has been submitted to the Ministry of Social Welfare for consideration of approval.
AFFILIATED ASSOCIATIONS' AFFAIRS

Realizing the importance of decentralization, Diabetic Association of Bangladesh (BADAS) initiated its Affiliated Association activities in mid-seventies with a unique model of community participation, local level leadership and autonomy, and friendly supervision and monitoring through a flexible system of affiliation.

Decentralized health care system was absolutely required for this purpose but public hospitals and health care centres didn't have adequate services for diabetic patients particularly in peripheral areas. The growth in number of Affiliated Associations was found to be slow in the beginning (5 upto 1980 and 11 upto '85), but it became a highly popular movement in the last three decades (46 upto '99) and by 2007 the number increased to 60 including Sub-affiliated Associations. In 2012, three new Sub-affiliated Associations have been formed and come forward actively in prevention and awareness of Diabetes Care Delivery. Now BADAS has 61 Affiliated Associations and 13 Sub-affiliated Associations.

Affiliated Associations of BADAS

Fourteen Sub-affiliations located at
Bheramara, Birampur, Companyganj, Raipur, Shatkonia, Palashbari, Shingra, Nalitabari, Shahzadpur, Ramganj, Choudhogram, Patia, Pirganj, Kotchandpur, Shibganj and Shirajdikhan.

Waiting for Sub-affiliation
Kalganj of Jhenidah, Haziganj of Chandpur, Patnitala of Naogaon, Bakerganj of Barisal, Lohagara of Chittagong and Bera of Pabna.
(i) Death Anniversary of National Prof. Dr. Md. Ibrahim and “Sheba Dibash” observed on 6th September 2018. Narayanganj Diabetic Association distributed leaflet and displayed banner to mark the occasion. Main events were free diabetes screen & diabetes care, Discussion meeting and prayer after Milad Mahfil etc.

(ii) “World Diabetes Day” observed on 14th November 2018. The Association organized Free Diabetes screen & diabetes care, Distributed leaflet & displayed poster for creating awareness, and also organized a Discussion Meeting.

(iii) “Diabetes Awareness Day” observed on 28th February 2019. The Association distributed leaflet before seven days of the Awareness Day. The Association organized Free Diabetes screening &
diabetes care, Distributed leaflet & displayed poster for creating awareness, and also organized a Discussion Meeting at Afzal Hossain auditorium.

Future Plan: To establish a medical college. The master plan design is shown below.

Musa Mia Diabetic Centre
On 23rd November 2018, Musa Mia Diabetic Centre was inaugurated at Harinakundu (Bangla: হরিনকুন্দু) of Jhenaidah District which was organized by Zahidi Foundation.

Specialized Medical Camps
Ten Medical Camps were held in Faridpur, OJ Traust, Sylhet, Bakerganj, Jhenidah, Thakurgaon, Jalalakhhi, Khulna, Dinajpur, Paturkhalil, and Narshingdhi Diabetic Association in the financial year 2018-19. Total 4000 patients were treated at these health camps by 73 specialized doctors from BIRDEM. BDT 14,56,000 was the income from these medical camps and total expenditure was BDT 2,04,800.

Regional Workshop
Regional Workshop was held on 26th October 2018 at Chandpur Diabetic Association which covered 5 affiliated (Chandpur, Comilla, Feni and Laxmipur) & 4 Sub-associations (Raipur, Ramganj, Chhodogram and Companyganj). Next Regional Workshop was held on 21st June 2019 at Nilphamari Diabetic Association which covered 9 affiliated (Nilphamari, Dinajpur, Thakurgaon, Kurigram, Saidpur, Rangpur, Gaibandha, Lalmonirhat and Panchagar) & 1 Sub-associations (Palashbari). The objective of workshop was to update, exchange latest views & ideas and to improve the diabetes management system among the organizers, doctors & technicians of the affiliated associations.

Scientific Seminars were arranged by the Faridpur, Jhenaidah and Dinajpur Affiliated Associations on 13th July 2018, 13th September 2018 and 30th March 2019 respectively.

Supply of Insulin, Novo-Pen to different Affiliated, sub-affiliated associations and ICHRI
Insulin-disbursed amounting to Tk. 106135631/- & Novo-Pen Tk 370450/- which were sold at cost price to different affiliated, sub-affiliated associations and ICHRI as per respective requirement.

Guide Book: Under supervision of BADAS, latest updated guide book was printed by RVTC Press & were sold at a cost price to all Enterprises/Institutes of BADAS, affiliated, sub-affiliated associations as per their requirement. In the last financial year Guide Book have been supplied to 104 affiliated and sub affiliated associations amounting BDT 10,54,560.

Annual Grant: Diabetic Association of Bangladesh
Disbursed Tk. 88,80,000 among 74 Affiliated Associations in the last financial year (2018-2019).

DLP (Course) Program: Distance Learning Program (DLP) is a project of the Diabetic Association of Bangladesh to run distance learning course with a view to develop and update manpower in the field of diabetes throughout the country. The duration of the course is six months (January – June & July – December Session). A total number of 1294 doctors from different places (affiliated and sub-affiliated associations-36, BIRDEM 31; NHN 17; ICHRI 10; BIHS 19; and GP-1181) received training. Only GP received training on payment basis and others received the training free cost.
Address of Affiliated and Sub-Affiliated Associations

**Bandarban Diabetic Association**
President: Md Islam (Baby)
General Secretary: Md Ishaq
Bandarban Sadar, Phone: 01820400237

**Barisal Diabetic Association**
President: Jebunnesa Afroj MP
General Secretary: Dr Pijush Kanti Das
Treasurer: Md Hannan Mollick
Adv Hemayet Uddin Ahmed Diabetic & General Hospital
Bandh Road, Barisal-8200
Phone: 00 88 0431 2173952, Cell: 01752117422
Fax: 0431 63494; e-mail: dasob.bsl@gmail.com

**Barguna Diabetic Association**
President: Alhaj Mr. Md. Mokhlesur Rahman
General Secretary: Alhaj Abdur Rashid Mia
Treasurer: K M Abdur Rashid
Circuit House Road, Barguna-8700
Phone: 00 88 0448 62618; 01712986029
Phone: 00 88 0468 63040
E-mail: borguna.dab@gmail.com

**Bagerhat Diabetic Association**
President: Alhaj Adv Md. Showkat Ali Badsha MP
General Secretary: Adv Mahfuzar Rahman Lahu
Treasurer: Advocate Anowaruzzaman
Khan Jahan Ali Road, Shaltola, Bagerhat
Phone: 00 88 0468 63040
E-mail: bagerhat_dab@yahoo.com

**Bhola Diabetic Association**
President: Md. Masud Alom Siddik
General Secretary: Alhaj Mia Mohammad Younus
Treasurer: Prof Alhaj Ruhul Amin Zahangir
Masura Khanam School Road, Bhola Sadar, Bhola-8300
Phone: 00 88 0491 62804, 01711365953
E-mail: bhola_diabetes@yahoo.com
Bbtc40031@gmail.com

**Bogura Diabetic Association**
President: Alhaj Mt. Motaj Uddin
General Secretary: Taufiqur Rahman Bappi Bhandari
Treasurer: Prof Mozammel Haque Talukder
Court House Street, Nawab Bari Road, Bogra
Phone: 00 88 051 63591, 62995
E-mail: bogra.srh@hcdp-bd.org

**Brahmanbaria Diabetic Association**
President: Mr Helal Uddin
General Secretary: Mr Iqbal Hossain
Treasurer: Mofizur Rahman Babul
1329/01, Kautali, B’baria Sadar-3400
Phone: 00 88 0851 62205; Cell: 01709128170
E-mail: brahmanbaria_diabetes@gmail.com

**Chandpur Diabetic Association**
President: Md Abdus Sabur Mondol, DC, Chandpur
General Secretary: Alhaj Md Jahangir Akhand Salim
Treasurer: Alhaj MA Masud Bhuiyan
Comilla Road, Chandpur-3600
Phone: 00 88 0481 63050, 67799 Cell: 017117-45791
E-mail: chandpurdiabetic@yahoo.com

**Chapai Nawabganj Diabetic Association**
President: Alhaz. Md. Ruful Amin
General Secretary: Md Abdul Wahed
Treasurer: Md Kamrul Arefin Bulu
New Huzrapur Fire Brigade Office
Chapai Nawabganj-6300, Ph: 00 88 0781 52611, 51190
E-mail: chapaladiabetic@yahoo.com
Chapal Nawabganj.dab@gmail.com

**Chittagong Diabetic Association**
President: Dr. Syedur Rahman Chowdhury
General Secretary: Prof Jahangir Chowdhury.
Treasurer: Mohammed Sahabuddin
Zakir Hossain Road, Pahartali, Khulshi
Chittagong-4100, Phone: 00 88 031, 659435-7
E-mail: cgdabetic@gmail.com, chyconsortium@gmail.com

**Chuadanga Diabetic Association**
President: Reazul Islam Joardar Toton
General Secretary: Adv Samsuzzoha
Treasurer: Adv. MM Monowar Hossain
Red Crescent Eye Hospital Building
Chuadanga-7200 Phone: 00 88 0761 62292
E-mail: dabchuadanga@gmail.com

**Comilla Diabetic Association**
President: Dr M Waliullah
General Secretary: Jamir Uddin Khan Jampi
Treasurer: Nasir Uddin Ahmed
Shahid Solaaiman Mustafa Road, Bagichagaon, Comilla-3500
Phone: 00 88 081 65145, 64169; Cell: 0111735736
E-mail: comilla.diabetes@gmail.com

**Cox’s Bazar Diabetic Association**
President (Act.): Adv Sirajul Mustafa
General Secretary: Adv Tofayel Ahmed
Treasurer: Adv Ranjit Das
Foundation Complex, Diabetic Hospital Road
Cox’s Bazar - 4700, Phone: 0341 64129
E-mail: coxdabetic@yahoo.com

**Dinajpur Diabetic Association**
President: Adv Mohammad Abdul Latif
General Secretary: Md Shafiul Haque Chhutu
Treasurer: Alhaj. Md. Luthfur Rahman Mintoo
Block No:1, Upashahar, New Town, Dinajpur: 5200
Ph: 00 88 0531 64573
E-mail: dinajpur.diabetes@gmail.com
Faridpur Diabetic Association
President: Mr Mir Nasir Hossain
General Secretary: Prof SK Abdus Samad
Treasurer: Prof Rabindra Nath Saha
Jhiltuli, Faridpur. Phone: 00 88 0631, 61232, 63496
Cell No: 01711 703913
E-mail: diabetic@bttb.net.bd, diabeticmri@gmail.com

Feni Diabetic Association
President: Mr Akramuzzaman Advocate
General Secretary: Mr. Susen Chandra Shil
Treasurer: Mr Abdul Awal Sabuj
589, Mizan Road, Feni-3900
Phone: 00 88 0331 74870, 63490
Fax: 0331 63491; e-mail: fdafeni@yahoo.com;
feni_diabetesbd@yahoo.com; fdafeni@yahoo.com

Gaibandha Diabetic Association
President: Gobindo Lal Das
General Secretary: Mr Sakendar Azam Anam
Treasurer: Md Kamarul Alam Chinu
PK Biswas Road, Gaibandha. Phone: 00 88 0541 52012
E-mail: gaibandhadiaabetic@gmail.com

Gopalganj Diabetic Association
President: Deputy Commissioner, Gopalganj
General Secretary: Dr Abid Hasan Sheikh
Jailkhana Road, Ward no 5, Gopalganj-8100
Cell: 01712223910
E-mail: gopdsh9@gmail.com

Gazipur Diabetic Association
President: Dr Alhaj Md Eunus Ali
General Secretary: Eng Mr Sharif Hossain Dhali
Treasurer: Mr MA Kuddus
Habibullah Sharani, Post Office Road
Gazipur: 1700. Phone: 00 88 02 9294626, 01715087579
E-mail: gazipurda@gmail.com

Habiganj Diabetic Association
President: Mr Shahid Uddin Chowdhury
General Secretary: Dr Mushfiqur Hossain Chowdhury
Treasurer: Mr Foni Bhusan Das
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General Secretary: Mahmudul Islam Photon
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General Secretary: ADV Rajab Ali Sarder
Treasurer: Md. Abdul Hakim Shaikh
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General Secretary: Major Md Abdus Salam (Retd)
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General Secretary: Md. Nazrul Islam
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General Secretary: Adv SM Habibur Rahman
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General Secretary: Md Humayun Kabir
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General Secretary: Alhaj Md Nurul Amin
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Maulavi Bazar Diabetic Association
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General Secretary: Md Ashraful Islam Zaki
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General Secretary: M A Mannan Khan
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General Secretary: Dr Mojibul Hasan Chowdhury Shahin
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General Secretary: Dr ATM Mamun (Josh)
Treasurer: Mahbubur Rahman Suja
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President: MA Muqueet
General Secretary: Md Jahangir Alam Raton
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General Secretary: Dr Azizur Rahman
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General Secretary: Shahed Kamal Chowdhury
Treasurer: Dr Md Mirazul Islam
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General Secretary: Rafiquil Islam Chowdhury
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Choddogram Diabetic Association
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Kotchandpur Diabetic Association
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Patiya Diabetic Association
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General Secretary: Al-haj Khorshdul Alam
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General Secretary: Prof Alhaj Atiqur Rahman
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Shahzadpur Diabetic Association
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General Secretary: Engg Nasim Hasan
Treasurer: Hanif Khan Shakhar
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Sirajdikhon Diabetic Association
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General Secretary: Md A Based
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Ph: 01818900402
Scientific Article Writing Contest Winner

Recently BUHS students have participated in a competition of a scientific article writing contest on the aspects of genetic disorder in Bangladesh. The contest took place on 7 to 25 May organized by the community of biotechnology. This community collaborates all the public and private universities in Bangladesh to gather skillful scientists around the country and bring them together through scientific events.

The participants were Sadia Anjum, Chomel Mahbub, Afrin Haque, Matiur Rahman Rana and Md Biplob Hossain from 6th batch. They became 2nd runner-up in their mere attempt. A student of Shahjalal University of Science and Technology became the champion while students of Jahangirnagar University became 1st runner up.

12 Nurses are awarded with Mahbub-uz Zaman Award

Dr. Ruma Sen Gupta, Department of Gynaecology & Obstetrics, BIRDEM General Hospital, Dhaka was awarded 2nd position in poster presentation at 12th SAFOG Conference held at BICC in Dhaka from 4 to 6 April, 2019. It was jointly organized by OGSB & SAFOG.
Recent Achievements

International Diabetes Federation: Dr Akhtar Hussain elected president (elect)

Bangladeshi doctor Professor Akhtar Hussain has been elected president (elect) of the International Diabetes Federation (IDF). The election was held at the IDF General Assembly in Busan, South Korea on December 2, 2019.

Prof Akhtar is also the incumbent president of Diabetes Asia Study Group (DASG) and will take the global body’s office for two years from 2022, after the incumbent president of IDF Prof Andrew Boulton’s tenure expires.

Meanwhile, another Bangladeshi doctor, Prof AK Azad Khan has been elected chairman of IDF’s South-east Asia region. Prof Khan is president of Diabetic Association of Bangladesh.
Ibrahim Memorial Oration

'Ibrahim Memorial Oration' was held on 6 September, 2019 at BIRDEM auditorium. Prof. Abdul Basit, Director, Baqai Institute of Diabetology & Endocrinology (BIDE), Professor of Medicine, Baqai Medical University (BMU), Chair, IDF-MENA Region, Joint Secretary, Diabetic Association of Pakistan (DAP) delivered his presentation on 'Diabetic Foot Care'. Prof. A K Azad Khan, President, Diabetic Association of Bangladesh chaired the session.

Convocation

BUHS is going to organize it’s 1st Convocation of graduate and postgraduate students this year.

Financial Support of DBL (Dulal Brothers Limited)

On 24th November 2019 DBL Group (Dulal Brothers Limited) donate BDT 3 crore for the 30 Beds and the Pediatric ICU of Pediatrics and Neonatology Unit of BIHS.

The only Health Science University of Bangladesh in Private Sector under BADAS Facilities and its stepwise development in academic and skilled manpower generation are unparallel now a days.
SAARC Diabetes Control 2030’ Organized by Diabetic Association of Bangladesh held

Diabetic Association of Bangladesh (DAB) organized 2 days meet titled ‘SAARC Diabetes Control, 2030’ on Saturday and Sunday last at Samson H Chowdhury Hall, Dhaka Club.

A team of 30 specialized Physicians from home and abroad participated at a workshop held on Saturday. A day-long Seminar was also held on last Sunday. The seminar was inaugurated by Mr. Md. Asadul Islam, Secretary to the Health Division, Ministry of Health and Family Welfare as a Chief Guest, while Prof. Dr. Mohammad Abul Kalam Azad, Directorate General of Health Services attended as the Special Guest. Prof A K Azad Khan, President, Diabetic Association of Bangladesh, presided over the session. Emeritus Professor Hajera Mahtab and Md. Sayef Uddin, Secretary General, BADAS also addressed the seminar.

Mr. Litty Varghese, COO of SH Medical Center, Kottayam, Kerala, Dr. Edward Francis Fottrell, Director, UCL Centre for Global Non-communicable Diseases, University College London, Prof. Akhtar Hussain, University of Bodo, Norway President DASG, and ex-Vice President International Diabetes Federation, Prof. Abdul Basit, Professor of Medicine, Baqai Medical University of Pakistan, presented their papers on deferent topics related to Diabetes.

The program was concluded with Dhaka declaration by Prof. A K Azad Khan.

MOU between ICHRI and Qudsia Chowdhury Patient Welfare Fund

An MOU was signed between ICHRI and Qudsia Chowdhury Patient Welfare Fund at ICHRI Conference Room on 22nd September 2019. CEO of ICHRI Prof. MA Rashid and Mr. Abdul-Muyeed Chowdhury on behalf of Qudsia Chowdhury Patient Welfare Fund signed the MOU.

Liver Transplantation

The Ibrahim Cardiac Hospital of Diabetic Association of Bangladesh has been successfully completed Liver Transplantation in association with BIRDEM on 13th February 2020. Professor Muhammad Ali along with his team of 30 members completed the surgery successfully.
BADAS Institutions

BIRDEM: Bangladesh Institute of Research & Rehabilitation in Diabetes, Endocrine & Metabolic Disorders
RVTC: Rehabilitation and Vocational Training Centre
NHN: National Health Care Network
ICHRI: Ibrahim Cardiac Hospital & Research Institute
IMC: Ibrahim Medical College
BIHS: Bangladesh Institute of Health Sciences
KALTU: Kidney and Liver Transplant Unit
BNC: BIRDEM Nursing College
BUHS: Bangladesh University of Health Sciences

Affiliated & Sub-Affiliated Associations
BADAS Projects

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