

Consideration on the Improvement of Assistive Products' Availability and the Awareness of Rehabilitation Professionals in Bangladesh

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Abstract.

BACKGROUND AND OBJECTIVES: In Bangladesh, 9.1% of people are disabled, but production and distribution of assistive products (AP) have not been sufficient up to now. Ensuring APs are in the market, and suggesting appropriate APs to the users, are two crucial points in Bangladesh, but there are no data about available APs and the awareness of rehabilitation professionals (RP). To improve this situation, this research was carried out to reveal the number of available APs and the awareness of RPs about APs.

METHOD: Data from two important disability-oriented organizations in Bangladesh were collected, including RPs from those organizations.

RESULTS: The result revealed that 23 out of 50 kinds of APs from the assistive products list (APL) of WHO were available in Bangladesh. In terms of awareness, an average of 24 APs from the APL were known by the RPs. Only 6% of RPs knew all the 23 APs available in Bangladesh. A total of 47% of RPs got information on APs from the internet, but 92% of them didn't know any database of APs.

CONCLUSION: The study indicated that APs are insufficient, and the awareness of RPs about APs is inadequate in Bangladesh.

Keywords: Rehabilitation professional, assistive products list, Bangladesh.

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1. Background

According to the World Health Organization's (WHO) estimation, more than 1 billion people around the world are living with some form of disability, and a significant portion of them are residing in developing countries [1]. Several studies indicated that persons with disabilities (PWD) living in developing countries suffer more than those living in developed countries [2,3]. The use of Assistive Products (APs) by people with disabilities can improve their living standard and lead to better human rights enjoyment [4]. The WHO report indicated that only 1 out of 10 people have access to the APs they need, because of high costs, limited availability, lack of awareness, lack of suitably trained personnel, lack of governance, and inadequate financing of assistive technologies [5,6]. The United Nations (UN) Convention on the Rights of Persons with Disabilities (CRPD), which has been ratified by 177 states, commits states to ensure access to assistive technology at an affordable cost, and to foster international cooperation to achieve this goal [6-8].

However, according to the categories of the World Bank in 2019 [9], Bangladesh is considered a lower-middle-income country with a population of approximately 164 million as of 2018. The welfare system of the country has not reached a satisfactory level up to now. The Ministry of Social Welfare is the prime body for providing welfare services to the poor and destitute people, including PWDs. The ministry has 4 different departments to go about its tasks. They are: the Department of Social Services, the Bangladesh National Social Welfare Council, the National Foundation for the Development of Disabled Persons, and the Sheikh Zayed bin Sultan al Nahian Trust. Among these 4 departments, the Department of Social Services mostly works for the PWDs. According to the UN report in 2016 [10], 9.1% of the total population of Bangladesh have some disability, but government registered PWDs only amount to about 1.7 million [11]. Through the Department of Social Services, the government has established 103 Disabled Service Centers (DSC) all over the country. These DSCs collect information about PWDs, provide ID cards and deliver primary assistive products; wheelchairs, crutches, etc. As there are 492 sub-districts in Bangladesh, it is quite difficult to provide welfare services to all the PWDs from only 103 DSCs. The country has plenty of acts, laws, and ordinances regarding the rights and welfare of PWDs, including the latest "Persons with Disabilities Rights and Protection Act 2013". However, all these acts and laws are hardly executed. And until now, there is no proper system of production and distribution of assistive products. The educational institutions for the rehabilitation professionals are insufficient, and there is no national database so far of assistive products in Bangladesh.

The prevalence of disability in Bangladesh is high [12], for reasons relating to overpopulation, extreme poverty, illiteracy, and lack of awareness and proper medical services [13]. As a ratifier of CRPD [14], Bangladesh is obliged to ensure the availability of APs at an affordable price, but until now the country hasn't been able to accelerate the delivery system of APs, as government facilities have provided only 1% of the total APs needed [15]. In developed countries, all required APs are commercially available and they are provided to its citizens free of charge, and rehabilitation professionals (RPs), such as physical therapists, occupational therapists, speech and language therapists, prosthetists and orthotists, and so on, play an important role for the assessment of the PWD's needs, the selection of the most suitable APs, distribution of the APs, and follow-up. [16-19]. Although Bangladesh has made remarkable progress in recent decades to improve the health status of its people [20], facilities for the PWDs, including production and distribution of APs, are considered to be in the primitive stage [21]. In Bangladesh, financial insufficiency, and insufficient industrial capability, are basic problems for most issues. The situation of APs is no exception, and is affected by the following two problems. The first problem, financial insufficiency, prevents both the construction of the national distribution system of APs and the financial support to the disabled who need APs. The second one, insufficient industrial capability, hinders the development of domestic APs. As these two issues are deeply affected by the economic development of the country, like other developing countries, it is thought that the solution within a short period of time is difficult.

The result of our previous research [22] indicated not only the issues described above, but also the lack of fundamental data about the situation of APs, which is hindering the improvement of PWDs in Bangladesh. These fundamental data refer to the kind of APs available in Bangladesh, including domestic and imported APs, and the awareness of RPs about APs. The first issue is due to the lack of statistical data of APs in Bangladesh. Although there has been some research done about the situation of APs, the results were only for specific areas of Bangladesh, not the whole country. The second issue is, RPs' awareness about APs is very crucial, as they play an important role to find and suggest the most appropriate APs for a specific PWD. To complete this role successfully, knowledge about APs is required, in addition to their professional knowledge. Among all these issues, unavailability of APs, and inadequate knowledge of RPs, could be the biggest problems, as a different study found that overall unmet needs of APs is 70.7% in Bangladesh [23], and RPs (CBR workers, doctors, and nurses) were the major source of awareness for PWDs [15]. Meanwhile, some studies have been carried out

about the disability situation, user perspectives, and unmet needs of APs in Bangladesh, but no study has been done so far to identify the kind of available APs in the country, and to measure the level of awareness of RPs.

In these circumstances, two kinds of data are considered necessary for improving this situation. The first one is identifying the kind of available APs in Bangladesh, including both domestic APs and imported APs. The second is to clarify the RPs' awareness about standard APs that are generally considered effective for PWDs. This paper deals with the results of our research about the two issues mentioned above.

2. Methods

2.1 Context

In Bangladesh, there has been no private business enterprise that produces APs up to now. Given this situation, only two rehabilitation facilities have been producing APs for their patients. One is the Center for the Rehabilitation of the Paralysed (CRP), which is the only rehabilitation center in Bangladesh, founded in 1979, and the other is the Center for the Development of the Disabled (CDD), being established in 1996. The government and other disability-oriented organizations' activities have not reached a satisfactory level of production of APs.

CRP is one of the pioneers of establishing the Bangladesh Health Professions Institute (BHPI) [24], a higher education institution that creates highly skilled RPs in the South Asian subcontinent. The CRP has a main center in Dhaka and has 11 branches across the country. As of 2019, 288 RPs are working in all the centers of CRP, which is the highest number of RPs working in a single organization among all the other disability-related organizations in Bangladesh. On the other hand, CDD works as a coordinator among more than 300 disability-related organizations of Bangladesh to provide training and infrastructural facilities. CDD's mission is to address disability problems in Bangladesh by simultaneously educating the community in how to be more inclusive, whilst also enabling persons with a disability to participate in society by providing them with essential support. It has only one center, and 46 RPs are working for CDD as of 2019. The CDD also acts as a resource center for disability information in Bangladesh with the cooperation of the government. These two organizations mostly cover information, production and distribution of APs in Bangladesh, and a significant

number of RPs are working for them. Only these two organizations in Bangladesh have factories with workshop facilities to produce assistive products on their own. It should be mentioned that a few more local disability-related organizations are operating in Bangladesh, but their overall activities for PWDs are very minimal, as they all have less than 10 personnel including RPs. In these circumstances, it was considered rational to research and survey about both CRP and CDD to gather the desired results of this research.

2.2 Procedure

To undertake this research, two kinds of methods were applied to accumulate data. The first one was literature review and interview of CRP and CDD authorities to discover the number of APs in Bangladesh. And the second one was to survey all the RPs of both CRP and CDD by questionnaire, to know their awareness about APs. In both methods, a set of APs that is considered useful for all countries was necessary to objectively measure the availability and the awareness of APs in Bangladesh. Although this kind of standard set of APs did not exist in the world until 2016, when WHO made an assistive products list (APL) of 50 priority items. The APL was developed by gathering the opinions of assistive technology stakeholders, professionals, users and organizations related to PWDs, to improve access to high quality, affordable APs for all. More than 10,000 participants from 161 countries were involved in the process of preparing the APL. Therefore, this APL has been adopted in this research, as the objective standard set of APs that are considered necessary in Bangladesh to identify available APs and to measure the awareness of RPs about APs. Statistical data, including publications and interviews with key personnel from CRP and CDD, were obtained for identifying available APs in the country. And to measure the level of awareness of RPs about APs, all the RPs from CRP and CDD were surveyed by questionnaire, where they were asked about their knowledge of APs from the APL.

2.3 Participants

As mentioned earlier, CRP and CDD are the core organizations of information, production, and distribution of APs in Bangladesh, and this research was intended to ensure the inclusion of participants from these two organizations. To figure out the available APs in Bangladesh, statistical data including annual reports, books, brochures from CRP and CDD, were studied and analyzed. To confirm the production and distribution of APs, officials in charge of production and distribution sections of CRP and CDD were interviewed. The list of

APs from the APL which are available in Bangladesh, including government production and imports, was collected from the Department of Prosthetics and Orthotics of CRP.

To identify the awareness of RPs, all the RPs of CRP and CDD were requested to participate in the survey by filling out a questionnaire. We made sure to include all RPs of the CRP head center in Dhaka, and all other sub-centers in Chittagong, Rajshahi, Sylhet, Barisal, Mymensingh, Maulavibazar and Pabna. As the CDD doesn't have any other sub-centers, the participation of RPs was taken from the only center in Dhaka. All four professions of RPs; Physical Therapists (PT), Occupational Therapists (OT), Speech and Language Therapists (SLT) and Prosthetists and Orthotists (P&O) participated in the survey.

In the questionnaire, participants were asked about their personal, academic, professional information, along with the point of how they learned about the latest APs. Their information about participating in foreign AP related exhibitions and conferences, and knowledge about APs databases, was also collected. Then participants were shown all 50 of the APs from the APL to ascertain whether they knew these APs. They were requested to confirm their actual knowledge about the AP, where four multiple and one open ended option were provided in the questionnaire to answer. The participants also needed to answer where and how they received information on that particular AP. And lastly, they were requested to rate all the 50 APs from the APL, using a scale of 1 to 5, according to the necessity in the country.

2.4 Ethical Consideration

To perform this research, permission from the CRP Research Ethics Review Committee was obtained, where the approval number was CRP-R&E-0401-236. As there is no Research Ethics Review Committee at CDD, only verbal agreement was received from them.

This research was carried out from September 2018 to April 2019 in 8 districts of Bangladesh, where CRP sub-centers are located. Written consent letters from each participant were obtained to allow their personal and professional information to be used for this research purpose.

3. Results

All the participants were provided the questionnaire to return within a specific time frame. As a large number of RPs from CRP and CDD were providing services in the Rohingya (Refugee) Camp of Bangladesh, and some were on study or maternity leave, we were able to get 250 RPs to provide questionnaires. In total, 223 participants' questionnaires were received, where the return rate of the questionnaire was 89.2%. The number of received questionnaires from RPs was as follows; PT- 108, OT- 64, SLT- 32, and P&O- 19.

3.1 Available APs in Bangladesh

The primary survey result revealed that 23 out of 50 kinds of APs from the APL were available in Bangladesh. The APs which were found in the country were mostly from the Mobility, Communication and Environment categories of the APL. It is important to mention that CRP and CDD mostly deal with physical disabilities, so they are not so much concerned with vision and hearing disabilities. The study found that from the 23 kinds of available APs from the APL in Bangladesh, CRP as a single entity produces 17 kinds of them. **Figure 1** shows some of the APs produced by CRP which were mentioned in the survey.

On the other hand, CDD produces 12 kinds of APs from the 50 APs of the APL. The APs which are produced by CDD are mostly connected to mobility items. There weren't any vision, hearing, cognition and communication categories of APs in CDD. **Figure 2** indicates some of the APs produced by CDD which were mentioned in the survey.

APs produced by the government and imported from other countries meet the demand of 6 kinds of APs from the APL. Among the 23 kinds of available APs in Bangladesh, 14 are from the mobility category, 1 each from the vision and hearing categories, 2 from the communication category, and 5 from the environment category of the APL. No AP from the cognition category was found in Bangladesh in our survey. **Table 1** indicates the available APs in Bangladesh, relating to CRP, CDD, government and imported items from other countries.

The study also found that 10 more small organizations were producing assistive products in a limited manner [26] and all those organizations produce less than 8 kinds of APs from the APL.

3.2 Awareness of RPs about APs

In terms of awareness of RPs about APs, on average 24 kinds of APs are known by all the RPs. And only 1 out of the 223 participants knew all the 50 APs from the APL. However, there were 11 more participants (PT-3, OT-3, SLT-3, and P&O-2) who knew 40-49 APs from the APL. About 21% of RPs knew 25-29 APs, and 17% of RPs knew 30-39 APs from the APL. The study also found that only 6% of the total participants knew all the 23 APs available in Bangladesh. **Table 2** shows information about the awareness of RPs regarding APs in Bangladesh. The result also indicated that the average awareness of APs in OT was higher than that in PT. And SLT has the lowest level of awareness about APs. **Figure 3** indicates the level of awareness of different RPs in Bangladesh. As mentioned earlier, CRP and CDD mostly deal with physical disability issues, so awareness about only physical disability-related APs were surveyed. It should be noted that the APL has a total 34 physical disability-related APs in it. From the survey, it was found that an average of 19 kinds of APs from those 34 APs were known by RPs of CRP and CDD. **Figure 4** shows the awareness of RPs about the physical disability-oriented APs. The study also found that the 12 RPs who knew 40-50 APs, 10 of them also knew 30-34 physical disability-related APs from the APL. And about 37% of RPs knew 20-24 APs and 18% of RPs knew 25-29 APs from the 34 physical disability-related APs from the APL.

The survey results further indicated that about 47 % of RPs obtained information on the latest APs from the internet and broadcasting media, and only 5% of them got information mostly from international exhibitions/conferences. About 14% of RPs informed that they didn't have any means to get information about APs. **Figure 5** explains the medium of learning about APs by the RPs. In terms of knowledge about the AP databases like Abledata, DLF data etc, the study found that 92% of RPs didn't have any knowledge about the databases of APs, although most RPs got information about APs from the internet. The study further illustrated that more than 85% of RPs never had an opportunity to participate in any AP related seminar/conference outside Bangladesh. But survey data confirmed that RP professionals who participated in foreign conferences/exhibitions had a higher level of awareness than those who didn't.

In the final stage of the questionnaire, all the participants were asked to evaluate the importance of 50 APs from the APL in Bangladesh, as there was no such study before. Five different scales (1-5) of importance were mentioned in the questionnaire for them to judge.

This survey result revealed that about 49% of RPs rated the 50 APs of the APL as “most important” for Bangladesh, whereas around 2% of RPs indicated the APL as “not important” for Bangladesh. **Figure 6** shows the importance of the APL in Bangladesh by RPs.

4. Discussion

4.1 Insufficiency of APs

Although WHO launched the APL three years ago to improve the situation of PWDs, a developing country like Bangladesh, with the highest GDP growth rate in South Asia, only has 23 APs from the 50 APs on the APL so far. It is therefore considered that a more effective initiative from the WHO, including productive communication with member countries, is necessary, along with providing logistic support to ensure the availability of the 50 APs in the country. Apart from this, 11% vision, 14% hearing and 0% cognition categories of the APs from the APL were found in the country. This amount of availability of APs can be considered insufficient, as the United Nations report (2016) revealed that there were 44.2% vision, 16.6% hearing and 15.8% cognition disabilities among people living in Bangladesh [27].

The study revealed that Bangladesh only imports 5 kinds of APs from the APL from different countries. To meet the lack of APs in the market, increasing the number of imports of APs could be a positive initiative until sufficient domestic production is attained.

4.2 Awareness of RPs

The study indicated that 12 RPs out of 223 knew more than 40 APs on the APL, 9 of them aged between 24 and 28 years. From this point of view, it can be considered that the young generation is much more aware of the APs than others. In terms of overall knowledge between two major professionals, OT has a slightly higher awareness about APs than PT. As the working place is the same for both RPs, internal factors, including the scope of learning, the number of patients, academic background, etc. may be the reason for the difference of awareness. To improve the situation, the group with less awareness should be provided with better environmental and working facilities.

Around half of the total participants got knowledge about the latest APs from the internet, print and electronic media, but surprisingly more than 92% of total participants didn't know anything about the databases of Assistive Products. It therefore indicates that their way

of using the internet is inappropriate to find out about new APs. Effective on the job and off the job training of appropriate methods of using computers can minimize this problem. The study also revealed that knowledge about APs by RPs who attended APs related international seminars, exhibitions, conferences, etc. was significantly higher than those who did not, but more than 80% of total participants never got such opportunity. A number of participants claimed that they didn't have any way to get knowledge about the latest AP, which means that if they got the opportunity to know about the latest APs, their knowledge would have been upgraded. The institution should ensure a standard way of learning about the latest APs for their professionals, with the help of the government if necessary.

In developed countries, the databases of assistive products have been developed and utilized. This is the result of both the development of assistive products and the utilization of information and communications technology (ICT). It is well known that the diffusion rate of the cell-phone in Bangladesh is almost equal to developed countries. This indicates the possibility to get information about assistive products through the Internet. The introduction to an incumbent unfamiliar with the Internet may be difficult, but it is thought that learning at the education stage is effective. For example, there are famous web-based databases which can be accessed freely in English. Therefore, these can be used as one of the useful tools to learn about assistive products, because it is difficult to gather actual assistive products as samples in developing countries.

5. Conclusion

The result of the research described in this paper revealed that the number of available APs in Bangladesh was less than the number of APs on the APL, as defined by WHO. This indicates that persons with disabilities in Bangladesh don't have access to some of the assistive products, even if those are included in the APL. In developed countries like the USA, UK and Japan, they have all 50 APs of the APL in their national database systems of AbleData, DLF data, and TAIS data. PWDs in those countries can easily get these assistive products from their country whenever they need them. But in developing countries like Bangladesh, PWDs can't access those assistive products.

The awareness level of RPs about APs can be considered insufficient. As the RPs are the key determiner of AP delivery in a country, this result indicates an unstable situation in Bangladesh, which needs to be improved. The monetary and technological constraint regarding

the awareness of RPs needs to be addressed effectively. Establishment of a worthy environment to learn more APs effectively is highly needed, along with solving priority issues like production and distribution.

To increase the availability of assistive products in Bangladesh is thought of as a time-consuming issue to solve, because this is closely related to both the production and importing methods at the national level. In addition, the development of associated field experts, such as researchers, engineers, developers, distributors and so on, is also included. On the other hand, although it has not been authorized as a national qualification yet (as of August 2019), there is an education system for rehabilitation professionals in Bangladesh. Therefore, it is thought that the upgrade of the rehabilitation professionals' awareness about assistive products by utilizing ICT would be an appropriate initiative for Bangladesh.

Conflict of interest

None to report.

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TABLES:

Table 1

Assistive Products of CRP, CDD and others from the APL of WHO [25]

<i>Category of APL</i>	<i>Names of APs</i>	<i>CRP</i>	<i>CDD</i>	<i>Others</i>
1. Mobility	Canes/sticks	√	---	
	Crutches, axillary/ elbow	√	√	
	Orthoses, lower limb	√	√	
	Orthoses, spinal	√	---	
	Orthoses, upper limb	√	√	
	Prostheses, lower limb	√	√	
	Standing frames, adjustable	√	√	
	Tricycles	√	√	
	Walking frames/walkers	√	√	
	Wheelchairs, manual for active use	√	√	
	Wheelchairs, manual assistant-controlled	√	√	
	Wheelchairs, manual with postural support	√	---	
	White Cane	---	---	√ import
2. Vision	Therapeutic footwear	---	---	√ import
	Spectacles; low vision, short/long distance	---	---	√ import
3. Hearing	Hearing aids and batteries	---	---	√ import
	Communication boards/books/cards	√	√	
4. Communication	Braille writing equipment	---	---	√ govt.
5. Cognition	-----	---	---	
	Chairs for shower/ bath/toilet	√	√	
6. Environment	Hand rails/grab bars	√	---	
	Pressure relief cushions	√	---	
	Ramps, portable	√	√	
	Pressure relief mattresses	---	---	√ import

Table 2

Information about awareness of APs received from the RPs by questionnaires

<i>Content of information</i>	<i>Result in number and percentage (%)</i>
Participants (N- 223)	Male- 104 (46.63%) Female- 119 (53.36%)
Age	21~30 – 166 (74.43%) 31~40- 41 (18.38%) 41~50- 11 (4.93%) 50+ - 05 (2.24%)
Profession	PT- 108 (48.43%) OT- 64 (28.69%) SLT- 32 (14.13%) P&O- 19 (8.52%)
Job experience	<1- 48 (21.52%) 1~5- 120 (53.81%) 5~10- 28 (12.55%) 10~15-19 (8.52%) 15~20- 04 (1.79%) 20+ - 05 (2.24%)
Knowledge about APs of APL	50 – 01 (0.44%) 40-49 - 11 (4.94%) 30-39 - 37 (16.60%) 25-29 - 46 (20.63%)
Way of getting information of APs	Domestic conference- 63 (28.25%) Internet- 105 (47.08%) Int. conference- 11 (4.93%) Others- 13 (5.82%) No scope- 31 (13.90%)
Prescribed APs to the patients	Yes- 212 (95.06%) No- 11 (4.93%)
Knowledge about database	Yes- 17 (7.62%) No- 206 (92.37%)
Participated foreign conference	Yes- 33 (14.79%) No- 190 (85.20%)

FIGURES:

Figure 1. Assistive Products of CRP



Figure 2. Assistive Products of CDD



Figure 3 APs known by RPs from the APL

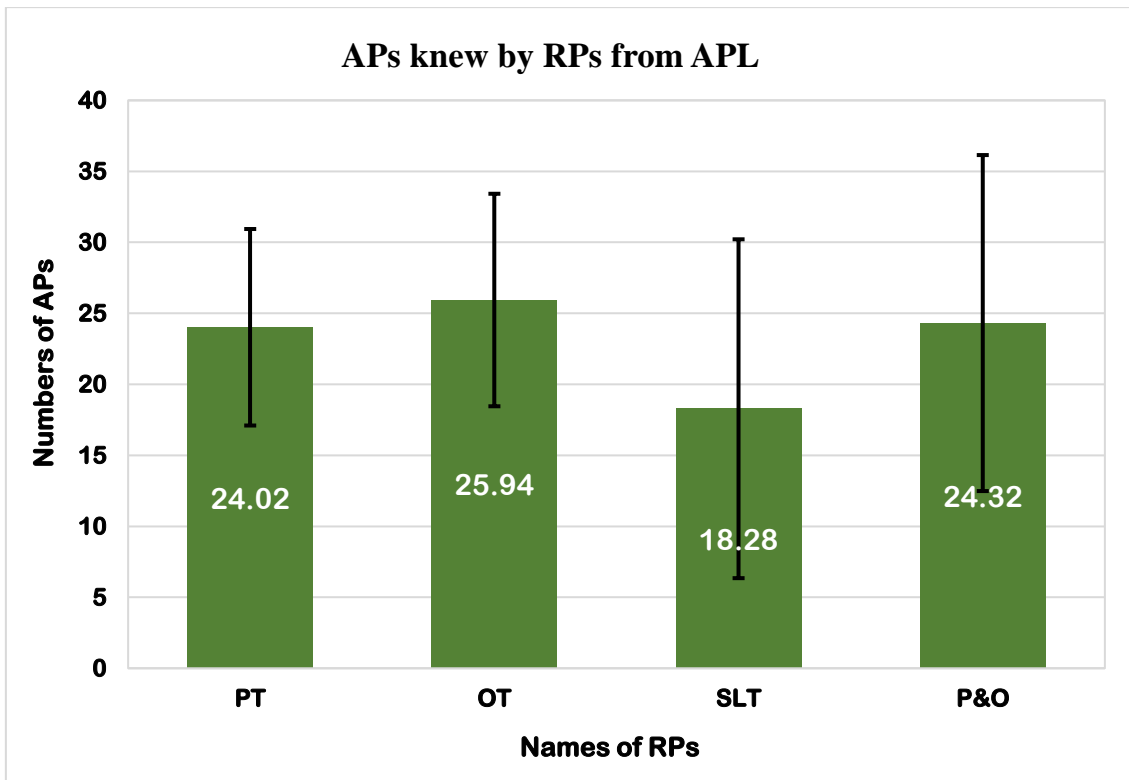


Figure 4 Physical disability-related APs of APL known by RPs

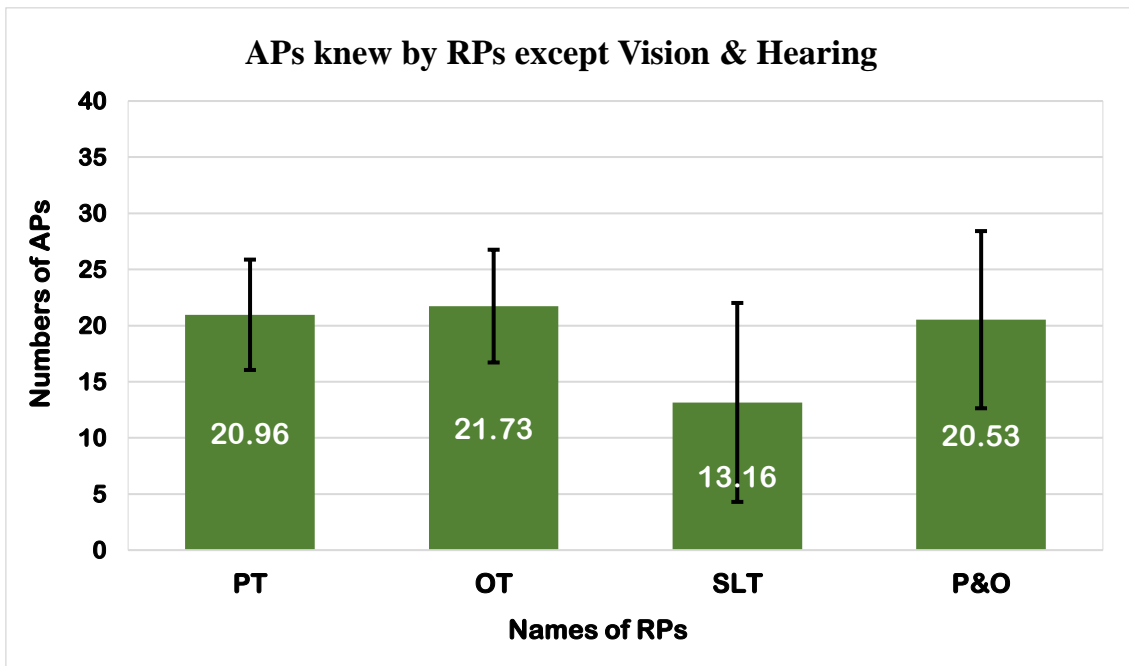


Figure 5. Way of getting information about APs by RPs

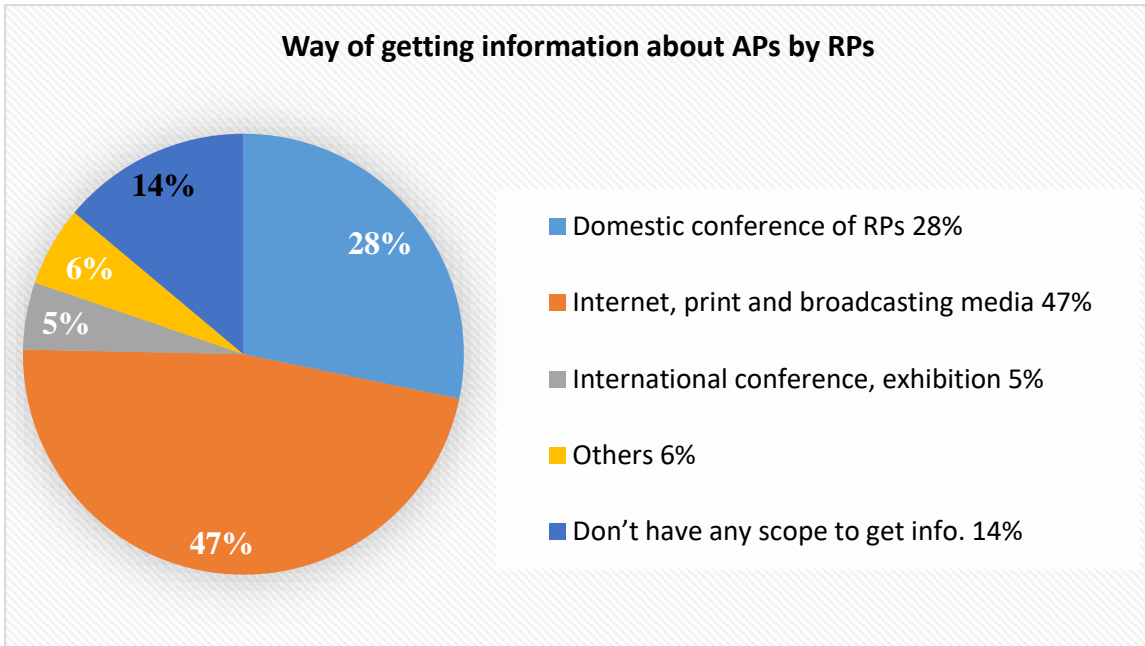
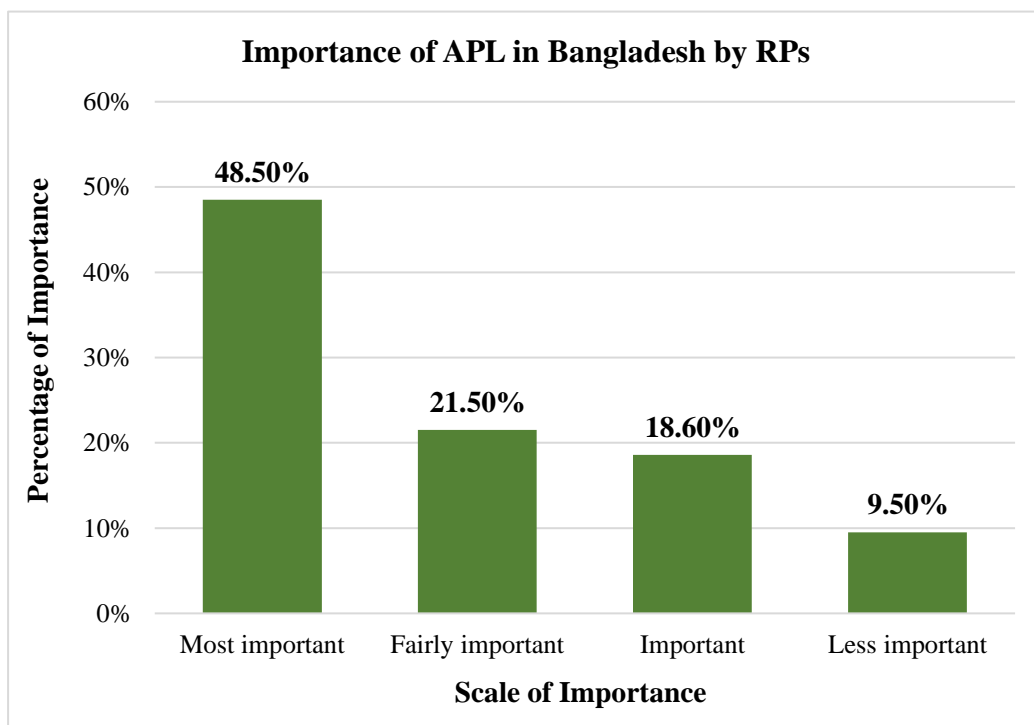


Figure 6 Importance of APL in Bangladesh by RPs



APPENDIX

Serial	Contents	Page no.
1	Survey questionnaire	2 - 22
2	Summary of the Information of all Participants	23 - 24
3	Priority Assistive Products List (APL)	25
4	Categories of Assistive Products List	26
5	Assistive Products List and ISO Classification	27
6	Importance of Assistive Products List in Bangladesh	28 - 32

Consideration on the Improvement of Assistive Products' Availability and the Awareness of Rehabilitation Professionals in Bangladesh

4th September, 2018

Dear Concern,

I am a PhD researcher of Graduate School of Rehabilitation of Kobe Gakuin University Japan. At present, I am conducting a research study on availability of assistive products in Bangladesh from the Priority Assistive Products List (APL) of World Health Organization and awareness of Rehabilitation Professionals about assistive products.

The aim of this research is to discover availability of assistive product in Bangladesh and identify the awareness of Rehabilitation Professionals by accepting valuable consideration from them. This study also rationalize the effectiveness of priority assistive product list for Bangladesh by taking expert opinion of Bangladeshi Rehabilitation Professionals.

Rehabilitation Professionals' of your organization are humbly requested to participate in this short questionnaire survey which will take 15~20 minutes to finish. However, in this survey, participants' personal, academic and professional information will be asked to provide to ensure the credibility of the study. All the information provided here will be strictly protected and it will be used on the purpose of research only.

This research has been approved by the faculty of Rehabilitation of Kobe Gakuin University under the supervision of Professor Hidehisa OKU, PhD, Akio Nakagawa, PhD, and Mitsuhiko SANO, PhD. A comprehensive research paper will be published based on this study.

Thanks a lot for your kind participation and cooperation.

Sincerely Yours,

Md Mehedi Hasan Khan
Ph.D Researcher
Kobe Gakuin University, Japan.
E-mail: mkhansm02@gmail.com

Survey Questionnaire

Section 01: Personal & Career Profile

1. Personal Information:

[Please fill up the information and put a tick mark (√) where applicable]

i) Name: _____ **ii) Age:** _____ Years

iii) Sex: Male/Female **iv) Educational Institution & Latest Degree:** _____

v) E-mail Address: _____ **vi) Mobile No (If you have)** _____

2. Career Information:

[Please fill up the information and put a tick mark (√) where applicable]

i) Profession: PT/ OT/ SLT/ P&O/Other _____ **ii) Working Organization:** _____

iii) Position: _____ **iv) Total Job Experiences:** _____ Years

v) How do you get information about latest Assistive Products which you don't know?

- (1) From the domestic conference of Rehabilitation Professionals
- (2) From internet, printed media, broadcasting agency etc.
- (3) From international conference, exhibition, seminar etc.
- (4) From other means; _____
- (5) Don't have any scope to get latest information of assistive products

vi) Have you participated job related Conference/Exhibition/seminar etc. outside of Bangladesh?

- (1) Yes, ----- times, [Years ----- Countries -----] (2) No

vii) Do you know about international database of Assistive Products?

- (1) Yes, Name/s _____ (2) No

viii) Do you prescribe/suggest assistive products to your patients in you work duties?

- (1) Yes, I do (2) No, I don't

ix) To how many patients you have given services/prescriptions/recommendations/suggestions of Assistive Products till now (in your total service time)?

- (1) About _____ patients (2) No one

Section 02: About Assistive Products

Please, read the Assistive Products names below (from 1~50) carefully and answer the questions followed. The picture shown right side of each question is just an example; it doesn't represent all the products of that category. While answering the question, put a tick (✓) mark on your appropriate answer only.

1. Alarm signalers with light/sound/vibration



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

2. Audio players with DAISY capability



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

3. Braille displays (note takers)



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

4. Braille writing equipment/brailers



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

5. Canes/sticks



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

6. Chairs for shower/bath/toilet



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
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- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

7. Closed captioning Displays



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

8. Club foot braces



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

9. Communication boards/books/cards



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

10. Communication Software



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

11. Crutches, auxiliary/Elbow



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

12. Deaf blind Communicators



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

13. Fall detectors



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

14. Gesture to voice Technology



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

15. Global positioning system (GPS) locators



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

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- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

16. Hand rails/grab bars



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

17. Hearing aids (digital) and batteries



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

18. Hearing loops/FM Systems



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

19. Incontinence products, absorbent



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

20. Keyboard and mouse emulation software



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

21. Magnifiers, digital hand-held



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

22. Magnifiers, optical



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

23. Orthoses, lower limb



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

24. Orthoses, spinal



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

25. Orthoses, upper limb



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. _____→[go to a.1]
- (3) I know the name only, not more than that. _____→[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

26. Personal digital assistant (PDA)



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. _____→[go to a.1]
- (3) I know the name only, not more than that. _____→[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

27. Personal emergency alarm systems



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. _____→[go to a.1]
- (3) I know the name only, not more than that. _____→[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

28. Pill organizers



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
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- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

29. Pressure relief Cushions



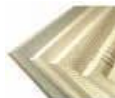
a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

30. Pressure relief Mattresses



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

31. Prostheses, lower Limb



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

32. Ramps, portable



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

33. Recorders



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

34. Rollators



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

35. Screen readers



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

36. Simplified mobile phones



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

37. Spectacles; low vision, short distance, long distance, filter sand protection



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

38. Standing frames, Adjustable



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

39. Therapeutic footwear; diabetic, neuropathic, orthopaedic



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

40. Time management Products



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

41. Travel aids, portable



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

42. Tricycles



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

43. Video communication Devices



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

44. Walking frames/Walkers



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

45. Watches, talking/Touching



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

46. Wheelchairs, manual for active use



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

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- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

47. Wheelchairs, manual assistant-controlled



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

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- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

48. Wheelchairs, manual with postural support



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

49. Wheelchairs, electrically powered



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

- (1) I knew this assistive product from my academic study
- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

50. White canes



a. Do you know this above Assistive Product?

- (1) Yes, I know this Assistive Product, and I can explain its usages and functions properly. →[go to a.1]
- (2) Yes, I know this Assistive Product but can't explain its usages and functions. →[go to a.1]
- (3) I know the name only, not more than that. →[go to a.1]
- (4) No, I don't. This is first time for me to read/see about this Assistive Product.

a.1 If you know this Assistive Product, where did you get the information?

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- (2) I got idea about this assistive product in my professional career
- (3) I participated international exhibition, conference, seminar etc. and knew this product
- (4) I read this assistive product in the books/journals etc.
- (5) I knew this assistive product from _____

Please, go to the next page to make an assessment of Assistive Products, which are you already answered in this questionnaire. You will find a list of 50 Assistive Products. Put only one tick (✓) mark on each Assistive Product to evaluate the necessity in Bangladesh. In terms of priority of that particular Assistive Product number 5 means highest level of priority and number 1 refers to the lowest level.



SN	Name of Assistive Products	5 = Most Important	4 = Fairly Important	3 = Important	2 = Less Important	1 = Not Important
1	Alarm signallers with light/sound/vibration					
2	Audio players with DAISY capability					
3	Braille displays (note takers)					
4	Braille writing equipment/braille					
5	Canes/sticks					
6	Chairs for shower/ bath/toilet					
7	Closed captioning displays					
8	Club foot braces					
9	Communication boards/books/cards					
10	Communication software					
11	Crutches, axillary/ elbow					
12	Deaf blind communicators					
13	Fall detectors					
14	Gesture to voice technology					
15	Global positioning system (GPS) locators					
16	Hand rails/grab bars					
17	Hearing aids (digital) and batteries					
18	Hearing loops/FM systems					
19	Incontinence products, absorbent					
20	Keyboard and mouse emulation software					
21	Magnifiers, digital hand-held					
22	Magnifiers, optical					
23	Orthoses, lower limb					
24	Orthoses, spinal					
25	Orthoses, upper limb					
26	Personal digital assistant (PDA)					
27	Personal emergency alarm systems					
28	Pill organizers					
29	Pressure relief cushions					
30	Pressure relief mattresses					
31	Prostheses, lower limb					
32	Ramps, portable					
33	Recorders					
34	Rollators					
35	Screen readers					
36	Simplified mobile phones					
37	Spectacles; low vision, short distance, long distance					
38	Standing frames, adjustable					
39	Therapeutic footwear; diabetic, neuropathic, orthopaedic					
40	Time management products					
41	Travel aids, portable					
42	Tricycles					
43	Video communication devices					
44	Walking frames/walkers					
45	Watches, talking/touching					
46	Wheelchairs, manual for active use					
47	Wheelchairs, manual assistant-controlled					
48	Wheelchairs, manual with postural support					
49	Wheelchairs, electrically powered					
50	White canes					

Ethical Declaration and Gratitude from the Researcher

Dear Participant,

Thank you so very much for your kind participation and honouring me with your precious time in this research survey. All the information you provided here is highly valuable for this research and it will be treated logically. Your personal and academic information was requested in this survey only to enhance the credibility of the research. No any participant's personal information will be used while processing the data, rather it will be anonymous. And most importantly, all the information you provided here will be strictly protected by the Declaration of Helsinki and it will be used only for the purpose of academic research.

Best Regards-



Md Mehedi Hasan Khan
Kobe Gakuin University, Japan.

Consent Letter from the Participant

I hereby want to declare that, as a participant I read all the questions carefully and answered the questions from my own knowledge without any biasness. I was not forced to participate in this survey rather I participate voluntarily. I am assured that, the information I provided here will be strictly protected and will be used for the purpose of academic research. So the researcher is permitted to use all the information I provided here (including my personal, academic and career information) on his research purpose.

With Regards-

Signature of the Participant

Date

Summary of the Information of all Participants

1. ii) Age

Age	
21-25	81
26-30	85
31-35	30
36-40	11
41-50	3
50+	4

1. iii) Sex

Sex	
Male	104
Female	119

2. i) Profession

Profession	
PT	108
OT	64
SLT	32
P&O	19

2. iv) Experiences

Experience	
<1 year	48
1-3 years	85
3-6 year	35
6-10 year	28
10-15 years	19
15-20 years	4
20-30 years	4
30+ years	1

2. v) Way of getting information about latest Assistive Products

Way of getting information about latest Assistive Products	
From the domestic conference of Rehabilitation Professionals	63
From internet, printed media, broadcasting agency etc.	105
From international conference, exhibition, seminar etc.	11
Other	13
Don't have any scope to get latest information of assistive products	31

2. vi) Participation of job related Conferences

Participated job related Conference/Exhibition/seminar etc. outside of Bangladesh	
Yes	33
No	190

2. vii) Knowledge about international database of assistive products

Knowledge about International Database of Assistive Products	
Yes	17
No	206








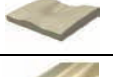







































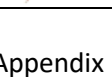


2. viii) Prescription of assistive products

Prescribed/suggested Assistive Products to the patients	
Yes	212
No	11

2. ix) Number of prescribed assistive products

Number of Assistive Products prescribed/recommended/suggested to the patients	
0	11
1-50	104
51-100	22
101-200	14
201-500	23
501-1000	22
1001-5000	18
5001+	09

Priority Assistive Products List (APL) of World Health Organization

1.	Alarm signallers with light/sound/vibration		26	Personal digital assistant (PDA)	
2.	Audio players with DAISY capability		27	Personal emergency alarm systems	
3.	Braille displays (note takers)		28	Pill organizers	
4.	Braille writing equipment/braille writers		29	Pressure relief cushions	
5.	Canes/sticks		30	Pressure relief mattresses	
6.	Chairs for shower/ bath/toilet		31	Prostheses, lower limb	
7.	Closed captioning displays		32	Ramps, portable	
8.	Club foot braces		33	Recorders	
9.	Communication boards/books/cards		34	Rollators	
10.	Communication software		35	Screen readers	
11.	Crutches, axillary/ elbow		36	Simplified mobile phones	
12.	Deaf blind communicators		37	Spectacles; low vision, short distance, long distance	
13.	Fall detectors		38	Standing frames, adjustable	
14.	Gesture to voice technology		39	Therapeutic footwear	
15.	Global positioning system (GPS) locators		40	Time management products	
16.	Hand rails/grab bars		41	Travel aids, portable	
17.	Hearing aids (digital) and batteries		42	Tricycles	
18.	Hearing loops/FM systems		43	Video communication devices	
19.	Incontinence products, absorbent		44	Walking frames/walkers	
20.	Keyboard and mouse emulation software		45	Watches, talking/touching	
21.	Magnifiers, digital hand-held		46	Wheelchairs, manual for active use	
22.	Magnifiers, optical		47	Wheelchairs, manual assistant-controlled	
23.	Orthoses, lower limb		48	Wheelchairs, manual with postural support	
24.	Orthoses, spinal		49	Wheelchairs, electrically powered	
25.	Orthoses, upper limb		50	White canes	

Categories of Assistive Products List

Category	Names of AP
1. Mobility	Canes/sticks
	Club foot braces
	Crutches, axillary/ elbow
	Orthoses, lower limb
	Orthoses, spinal
	Orthoses, upper limb
	Prostheses, lower limb
	Rollators
	Standing frames, adjustable
	Therapeutic footwear; diabetic, neuropathic, orthopedic
	Tricycles
	Walking frames/walkers
	Wheelchairs, manual for active use
	Wheelchairs, manual assistant-controlled
Wheelchairs, manual with postural support	
Wheelchairs, electrically powered	
2. Vision	Audio players with DAISY capability
	Braille displays (note takers)
	Braille writing equipment/brailers
	Magnifiers, digital hand-held
	Magnifiers, optical
	Screen readers
	Spectacles; low vision, short distance, long distance
	Watches, talking/touching
White canes	
3. Hearing	Alarm signalers with light/sound/vibration
	Closed captioning displays
	Deaf blind communicators
	Gesture to voice technology
	Hearing aids (digital) and batteries
	Hearing loops/FM systems
	Video communication devices
4. Communication	Communication boards/books/cards
	Communication software
	Global positioning system (GPS) locators
	Keyboard and mouse emulation software
5. Cognition	Fall detectors
	Incontinence products, absorbent
	Personal digital assistant (PDA)
	Personal emergency alarm systems
	Pill organizers
	Recorders
	Simplified mobile phones
	Time management products
Travel aids, portable	
6. Environment	Chairs for shower/ bath/toilet
	Hand rails/grab bars
	Pressure relief cushions
	Pressure relief mattresses
	Ramps, portable

Assistive Products List and ISO Classification

APL No.	ISO Code	Name
1	22. 27	Alarm signallers with light/sound/vibration
2	22. 39	Audio players with DAISY capability
3	22. 39	Braille displays (note takers)
4	22. 12	Braille writing equipment/braille
5	12. 03	Canes/sticks
6	09. 12	Chairs for shower/ bath/toilet
7	22. 03	Closed captioning displays
8	09. 03	Club foot braces
9	05. 03	Communication boards/books/cards
10	22. 42	Communication software
11	12. 03	Crutches, axillary/ elbow
12	05. 06	Deaf blind communicators
13	22. 27	Fall detectors
14	22. 18	Gesture to voice technology
15	24. 24	Global positioning system (GPS) locators
16	18. 18	Hand rails/grab bars
17	22. 06	Hearing aids (digital) and batteries
18	22. 06	Hearing loops/FM systems
19	09. 30	Incontinence products, absorbent
20	22. 36	Keyboard and mouse emulation software
21	22. 03	Magnifiers, digital hand-held
22	22. 03	Magnifiers, optical
23	06. 12	Orthoses, lower limb
24	06. 03	Orthoses, spinal
25	06. 06	Orthoses, upper limb
26	22. 33	Personal digital assistant (PDA)
27	18. 33	Personal emergency alarm systems
28	04. 19	Pill organizers
29	18. 10	Pressure relief cushions
30	18. 12	Pressure relief mattresses
31	06. 24	Prostheses, lower limb
32	18. 30	Ramps, portable
33	22. 18	Recorders
34	12. 06	Rollators
35	22. 39	Screen readers
36	22. 24	Simplified mobile phones
37	22. 03	Spectacles; low, short distance
38	05. 36	Standing frames, adjustable
39	09. 03	Therapeutic footwear; diabetic
40	22. 27	Time management products
41	12. 39	Travel aids, portable
42	12. 18	Tricycles
43	22. 18	Video communication devices
44	12. 06	Walking frames/walkers
45	22. 27	Watches, talking/touching
46	12. 22	Wheelchairs, manual for active use
47	12. 22	Wheelchairs, manual assistant-controlled
48	12. 22	Wheelchairs, manual with postural support
49	12. 23	Wheelchairs, electrically powered
50	12. 39	White canes

ISO 9999 URL: <https://www.iso.org/standard/60547.html> (English)

ISO 9999 Explanation URL: <http://www.rehab.go.jp/ri/kaihatsu/lifeSupport/isoExplanation.php> (Japanese)

Importance of Assistive Products in Bangladesh from the Assistive Products List

1. Alarm signallers with light/sound/vibration	
Mostly Important	42
Fairly Important	46
Important	60
Less Important	65
Not Important	10

2. Audio players with DAISY capability	
Mostly Important	32
Fairly Important	46
Important	76
Less Important	61
Not Important	8

3. Braille displays (note takers)	
Mostly Important	63
Fairly Important	59
Important	62
Less Important	28
Not Important	11

4. Braille writing equipment/brailers	
Mostly Important	81
Fairly Important	50
Important	54
Less Important	27
Not Important	11

5. Canes/sticks	
Mostly Important	128
Fairly Important	58
Important	32
Less Important	5
Not Important	0

6. Chairs for shower/ bath/toilet	
Mostly Important	121
Fairly Important	52
Important	37
Less Important	12
Not Important	1

7. Closed captioning displays	
Mostly Important	45
Fairly Important	44
Important	48
Less Important	61
Not Important	25

8. Club foot braces	
Mostly Important	154
Fairly Important	35
Important	25
Less Important	8
Not Important	1

9. Communication boards/books/cards	
Mostly Important	118
Fairly Important	57
Important	33
Less Important	14
Not Important	1

10. Communication software	
Mostly Important	100
Fairly Important	40
Important	47
Less Important	29
Not Important	7

11. Crutches, axillary/ elbow	
Mostly Important	149
Fairly Important	42
Important	25
Less Important	7
Not Important	0

12. Deaf blind communicators	
Mostly Important	122
Fairly Important	55
Important	31
Less Important	14
Not Important	1

13. Fall detectors	
Mostly Important	69
Fairly Important	57
Important	45
Less Important	36
Not Important	16

14. Gesture to voice technology	
Mostly Important	54
Fairly Important	57
Important	55
Less Important	42
Not Important	15

15. Global positioning system (GPS) locators	
Mostly Important	59
Fairly Important	52
Important	64
Less Important	36
Not Important	12

16. Hand rails/grab bars	
Mostly Important	115
Fairly Important	50
Important	43
Less Important	14
Not Important	1

17. Hearing aids (digital) and batteries	
Mostly Important	134
Fairly Important	54
Important	26
Less Important	8
Not Important	1

18. Hearing loops/FM systems	
Mostly Important	80
Fairly Important	50
Important	55
Less Important	36
Not Important	2

19. Incontinence products, absorbent	
Mostly Important	66
Fairly Important	55
Important	66
Less Important	32
Not Important	4

20. Keyboard and mouse emulation software	
Mostly Important	46
Fairly Important	47
Important	73
Less Important	53
Not Important	4

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21. Magnifiers, digital hand-held	
Mostly Important	41
Fairly Important	52
Important	72
Less Important	47
Not Important	11

22. Magnifiers, optical	
Mostly Important	50
Fairly Important	63
Important	62
Less Important	35
Not Important	13

23. Orthoses, lower limb	
Mostly Important	161
Fairly Important	46
Important	13
Less Important	2
Not Important	1

24. Orthoses, spinal	
Mostly Important	155
Fairly Important	47
Important	19
Less Important	2
Not Important	0

25. Orthoses, upper limb	
Mostly Important	150
Fairly Important	35
Important	28
Less Important	10
Not Important	0

26. Personal digital assistant (PDA)	
Mostly Important	42
Fairly Important	56
Important	64
Less Important	56
Not Important	5

27. Personal emergency alarm systems	
Mostly Important	55
Fairly Important	51
Important	77
Less Important	34
Not Important	6

28. Pill organizers	
Mostly Important	56
Fairly Important	48
Important	57
Less Important	46
Not Important	16

29. Pressure relief cushions	
Mostly Important	153
Fairly Important	40
Important	24
Less Important	5
Not Important	1

30. Pressure relief mattresses	
Mostly Important	153
Fairly Important	37
Important	25
Less Important	6
Not Important	2

31. Prostheses, lower limb	
Mostly Important	171
Fairly Important	27
Important	22
Less Important	3
Not Important	0

32. Ramps, portable	
Mostly Important	140
Fairly Important	42
Important	32
Less Important	9
Not Important	0

33. Recorders	
Mostly Important	59
Fairly Important	48
Important	65
Less Important	45
Not Important	6

34. Rollators	
Mostly Important	53
Fairly Important	50
Important	64
Less Important	51
Not Important	5

35. Screen readers	
Mostly Important	41
Fairly Important	55
Important	69
Less Important	49
Not Important	9

36. Simplified mobile phones	
Mostly Important	57
Fairly Important	51
Important	64
Less Important	44
Not Important	7

37. Spectacles; low vision, short, long	
Mostly Important	102
Fairly Important	54
Important	52
Less Important	13
Not Important	2

38. Standing frames, adjustable	
Mostly Important	136
Fairly Important	55
Important	25
Less Important	7
Not Important	0

39. Therapeutic footwear; diabetic	
Mostly Important	116
Fairly Important	58
Important	46
Less Important	3
Not Important	0

40. Time management products	
Mostly Important	52
Fairly Important	66
Important	58
Less Important	39
Not Important	8

41. Travel aids, portable	
Mostly Important	70
Fairly Important	45
Important	63
Less Important	36
Not Important	9

42. Tricycles	
Mostly Important	107
Fairly Important	54
Important	43
Less Important	19
Not Important	0

43. Video communication devices	
Mostly Important	80
Fairly Important	53
Important	52
Less Important	38
Not Important	0

44. Walking frames/walkers	
Mostly Important	163
Fairly Important	43
Important	15
Less Important	1
Not Important	1

45. Watches, talking/touching	
Mostly Important	124
Fairly Important	36
Important	34
Less Important	25
Not Important	4

46. Wheelchairs, manual for active use	
Mostly Important	180
Fairly Important	34
Important	9
Less Important	0
Not Important	0

47. Wheelchairs, manual assistant	
Mostly Important	158
Fairly Important	51
Important	14
Less Important	0
Not Important	0

48. Wheelchairs, manual with postural support	
Mostly Important	163
Fairly Important	45
Important	14
Less Important	1
Not Important	0

49. Wheelchairs, electrically powered	
Mostly Important	144
Fairly Important	41
Important	31
Less Important	5
Not Important	2

50. White canes	
Mostly Important	94
Fairly Important	52
Important	47
Less Important	22
Not Important	8