

Journal Homepage: - www.journalijar.com

INTERNATIONAL JOURNAL OF ADVANCED RESEARCH (IJAR)



Article DOI: 10.21474/IJAR01/5076 **DOI URL:** http://dx.doi.org/10.21474/IJAR01/5076

RESEARCH ARTICLE

IMPACT OF BDN PROGRAM IMPLEMENTATION ON HEALTH IN TWO VILLAGES OF SOUTHERN AFGHANISTAN.

Dr. Roohullah.

Master in Public Health (MPH) Program Jodhpur School of Public Health, Jodhpur Maulana Azad University.

Manuscript Info

Manuscript History

Received: 05 June 2017 Final Accepted: 07 July 2017 Published: August 2017

......

Abstract

This study focuses on the Basic Development Needs (BDN) survey and the implementation in the villages of two different provinces with focus on key changes over 9 months of implementation of proposed BDN activities. The survey in the two targeted villages before and after the implementation highlights some importance of strengthening the community-based development activities that bring impressive results in the lives of targeted communities.

The study was a comparison descriptive quantitative study to measure magnitude, variability of a need or problem and to explore associated factors. Descriptive studies are often guided by questions rather than formal hypotheses, and are often the first step in more directed research. A structured questionnaire was designed based on the goal and objectives. The questionnaire was originally developed in English and then translated into to the local language (Pashto).

The questionnaire was divided into two parts for the collection of data on: demographic structure, and health status & economic condition of the population. The intended population of the research was the families of two pre identified villages of Helmand and Kandahar provinces, where BDN programme was not implemented in the past with the aim possible implementation in the near future. Couple were used as surveyors administering a well-designed structured questionnaire.

The result of the study, after nine months of BDN implementation indicated significant positive differences in the key indicators in the mentioned villages. The promanent changes in Rawani Village of Kandahar province included still births rate/1000 births decreased from 53 to 39, under one year mortality rate /1000birts from 53 to 43, under five (1-5) mortality rate /1000birts from 9 to 6 and MMR/1,000 LB from 32 to 23, an increase in number of deliveries assisted by trained health staff 185 to 214. Similarly there was positive changes in ANC, PNC, FP and breast feeding in the village. Likewise the improved coverage in immunization was another significant change in village. For instance Penta3 coverage from 36% to 43% and TT2+ from 25% to 28

Similarly the study highlighted the changes determined in Safian Village of Helmand province; these changes were mainly in improved maternal mortality ratio (from 25 to 19), under five mortality rate (1<5) from 8 to 6/1000, decreased still births rate/1000 births from 41 to 32, deliveries assisted by trained health staff from 76 to 107, routine EPI (Penta3 coverage from 28% to 40% and TT2+ from 28% to 35%). In addition the study indicated tangible improvement in other areas of BDN in both villages, for examples increased access to portable drinking water, access to safe latrines, use of garbage, use a reliable method for irrigation, use of better quality of seeds in agriculture and monthly earnings of families to more 30 US\$/month and decreased unemployed adults and attending school by young children increased from 30% to 34%.

Even though a systematic sampling was used and all houses in the selected villages were selected, the study still had some shortcomings and limitations, for instance the size of sample of size was too small to represent the whole district and province, the density of households and finding of the participants. In order to minimize these shortcomings the VDCs, CRs and TST were used as helper force to help the surveyors in door to door visits.

Generally, as per the study results, the BDN survey and the implementation of the proposed activities based on the BDN approach are quite significant and important to increase awareness of population on the concept of self-help and self-reliance and lead to further cooperation and collective action among the villagers for their well-being and healthy life style. Strengthening of the community-based development activities bring impressive results in the target areas and they will help in further expansion of the BDN programme to neighboring communities. Even though the outcome will be impressive but the pace will be slower as the BDN are development activities that need a lot of time and finance.

Copy Right, IJAR, 2017,. All rights reserved.

Rationale and Background:-

Community organization and mobilization are key elements of the BDN programme through which all members of the community, particularly women, are encouraged to improve their health and other socioeconomic needs. Enabling women, improving access to basic physical and social needs, such as health services, nutrition, safe water, sanitation and shelter contribute to poverty reduction and improvement of health outcomes.

Afghanistan illustrates the devastating impact of four decades of war and conflict on development. This land-locked country has been through 40 years of war, virtually without pause. As a result, every single aspect of development – from the incidence of poverty, to health care, agriculture, environment, and education has been adversely affected. Afghanistan today is not just one of the poorest countries in the world, but also has the worst human development indicators, comparable to only two equally war stressed countries in Africa – Sierra Leone and Angola.

In 2000, when countries around the world agreed to the Millennium Development Goals, Afghanistan was embroiled in war and did not participate in the 2000 UN Summit. It signed the Millennium Declaration only in 2004 and has set itself targets based on data from 2002-2004 to be achieved by 2020. An additional goal of 'enhancing security' had been added.

The country is now slowly on the road to recovery. It has a new constitution, an elected government and has taken the first tentative steps towards dealing with its enormous legacy of war.

Unfortunately at the beginning of the 21st century, the number of people living in absolute poverty continues to raise with grim health consequences. Presently, about 20% of the world's population or 1.3 billion people live in absolute poverty, with an income of less than \$1 per day. These people have been excluded from many of the benefits of economic development and advances in human health that took place during the last century. Aggregate figures for economic growth disguise the fact that the number of people in absolute poverty is still rising. Surviving on less than US\$ 2 per day is a reality for almost half the people on the planet. Poverty reduction is a critical development

challenge for many Member States in the Region. Nine of the Region's countries and areas have annual per capita incomes of less than \$1000. Those living in absolute poverty are five times more likely to die before reaching the age of five, and two-and-half times more likely to die between the ages of 15 and 59, than those in higher-income groups. Differences in maternal mortality are even more dramatic: the lifetime risk of dying in pregnancy in parts of sub-Saharan Africa, where almost 50% of the population live in absolute poverty, is one in 12, compared to one in 4000 in Europe.

More than 10 years have passed since world leaders established goals and targets to free humanity from extreme poverty, hunger, illiteracy and disease. The Millennium Declaration and the MDG framework for accountability derived from it have inspired development efforts and helped set global and national priorities and focus subsequent actions. While more work lies ahead, the world has cause to celebrate, in part due to the continued economic growth of some developing countries and targeted interventions in critical areas. Increased funding from many sources has translated into the expansion of programmes to deliver services and resources to those most in need. Here are some of the highlights:

Poverty continues to decline in many countries and regions despite significant setbacks after the 2008-2009 economic downturns, exacerbated by the food and energy crisis, the world is still on track to reach the poverty-reduction target.

Despite the overwhelming obstacles that Afghanistan faces in meeting its MDG targets, it has made tentative progress in a few areas.

- As a result of its back-to-school campaign, four million children are now in school. According to UNICEF in 2003, the overall school attendance rate in Afghanistan doubled from 27% to 54% between 1997 and 2002. Girls' attendance rate tripled from 13% to 40% in the same period. For 2003 the net attendance was 54%, or 2.3 million students, principally in urban areas.
- In 2003, almost one-third (33.6%) of young Afghans between 15 and 24 years of age are literate. This includes an 18% literacy rate for young women and a 50% rate for young men.
- The measles immunization program has been a success in Afghanistan, with

71% of children aged less than 12 months having been immunized. Immunization coverage is higher in urban areas than in rural areas. As a result, infant and child mortality in rural areas is around 28% higher than in urban areas.

Even then, there is a lot to be done to improve socio-economical and health indicators in Afghanistan.

The basic development needs (BDN) approach for socio-economic uplift of communities, which aims at health and better quality of life of people first started in Afghanistan in 1996 through establishing a model village in Kabul province. Since then the programme, despite difficulties and volatile situations in Afghanistan, was steadily expanded within Kabul province as well as to other regions within the country.

During the period, the programme has had positive effects in health services utilization and coverage and also in improvement of health indicators.

Currently, the BDN programme is covering 37 different communities with a total population of over 135,000 people in eight provinces of Afghanistan at different stages of the programme implementation.

In 2003, the programme has had significant achievements, both in the expansion as well as in the management of the activities.

As the BDN approach entails, the socio-economic activities supported through the BDN programme in Afghanistan are based on local technology, prioritized by the people. Since, the people's needs are tremendous and their resources are limited to contribute to the BDN process, it is hard to expect very impressive results from the meagre financial input of WHO in the process. It is, therefore, valid to say that for achieving more visible outcomes, in addition to strengthening the management capacity of the programme, more material support is required.

Literature Review:-

Based on the baseline and second data assessed survey in 2016 and 2017 in the targeted villages, the two variables are cleared to us the BDN programme implementation show more progress on the key indicators of health and BDN.

Literature review of BDN programme implementation in some developing countries shows significant outcomes, which gives a clear message that it can equally benefit other countries with the same secio-econmincal situation. The following table highlights the outcome of BDN programme implementation in Somalia and Sudan.

Indicators	Pre BDN		Post BDN	
	Somalia (2007)	Sudan (2008)	Somalia (2009)	Sudan (2009)
IMR(1000 B)	89	162	30	72
Malnutrition %	32	38	11	22
enrolment in primary school %	26	29	48	51
EPI coverage%	25	18	60	39
ANC%	16	12	42	30

Reference- WHO report.

Objectives:-

- Primary objectives
- To bring positive changes in health and other socioeconomic factors within BDN program areas.
- Secondary objectives
- Managing social development through on people's participation and inter-sectoral collaboration among government sectors;
- Ensuring community self-reliance for their own development needs and health.
- Improving quality of life for all people in a community through meeting their own basic needs;

Expected outcomes:-

The implementation of the proposed activities based on the BDN approach is expected to bring about more awareness in the target communities about the BDN concept, self-help and self-reliance and lead to further cooperation and collective action among the villagers for their well-being and healthy life style. Strengthening of the community-based development activities is expected to bring about impressive results in the target areas and they will help in further expansion of the BDN programme to neighbouring communities.

Also the participants will acquire knowledge on the principles of development and its linkage with the health. They will also understand about the parameters and process of poverty, its influencing factors and relation with health and the action which can assist in poverty reduction efforts. This knowledge will provide them a better understanding and rationale of the community based approaches for health and development.

Research Question/Hypothesis:-

Community health development is affected by economic condition, access to basic needs (health, food/nutrition, water, sanitation, shelter and education).

Study Design:-

The study was a comparison descriptive quantitative study to measure magnitude, variability of a need or problem and to explore associated factors. Descriptive studies are often guided by questions rather than formal hypotheses, and are often the first step in more directed research.

Research Methodology:-

A structured questionnaire was designed based on the goal and objectives. The questionnaire was originally developed in English and then translated into to the local language (Pashto).

The questionnaire was divided into two parts for the collection of data on: demographic structure, and health status & economic condition of the population. (Questionnaire details are available in the following annexes)

Research design:-

The study was conducted throughout the villages, and all families were included for the research. With this we intended to have full strength of the study. This study was a descriptive cross sectional study aiming to understand the relation between of the key BDN determinants and the health status of targeted population.

The intend population of the research was the families of two pre identified villages of Helmand and Kandahar provinces, where BDN programme was not implemented in the past with the aim possible implementation in the near future. Couple were used as surveyors administering a well-designed structured questionnaire. (Including and excluding factors????)

Research Approach:-

Quantitative research approach was used for the study as to measure magnitude, variability of the need/problem and to explore associated factors.

Targeted areas and the population:-

Two villages (1 from Helmand and 1 from Kandahar province) were selected for the project as the targeted geographical. The idea behind selecting these villages was that these villages were never assessed for BDN in the past, nor had any BDN project before. Similarly the access to the villages was another factor of selecting the villages. At the meantime there was a definite plan to implement the project. All 1,896 families (13,774 individuals) were selected as the study target.

Sampling:-

Since the number of targeted population were relatively low, with keeping in mind full strength of the study, all 1,896 families (100%) were selected as intended participants as the samples with only one interview per family was considered.

Data Collection:-

A structured questionnaire was used for data collection on the demographic structure, health status and economic condition of the population. The questionnaire was used by trained surveyors in the two mentioned villages under the supervision and monitoring of WHO (my self), UNICEF, PHD agriculture and MRRD technical staff. Both male and female surveyors were utilized for the study to maintain gender balance and ensure that females participate in the research. The data collection was well supervised by the assigned team throughout.

Data quality control:-

The pre designed and tested questionnaire that aimed to help the researcher get his desired data was used in the study. The process included developing the questionnaire, training the surveyors and testing them in the field before actual implementation. This helped me to determine the limitation and biased associated with study. Based on this the supervisors were well trained on how to monitor and supervised the surveyors during the actual research.

Measurements:-

Since the study was cross sectional descriptive study and only quantitate research method was used, therefore we did not use any formula, but simple comparison between the baseline study and the final survey, that helped us understand and determine the difference in the situation of people before and after the implementation.

Data Analysis:-

Data of the first and second surveys (baseline and after nine months implementation of the BDN program) were entered; I have done quantitative analysis and used frequency distribution cross tabulation, and chi square test to find the association between two variables. Graphs and tables are used for presentation of the findings.

Ethical Consideration:-

Before starting the study research in the field, ethical approval was taken from ethical committee and approval from the MoPH and government authorities. Informed consent was obtained from participants before collecting data anonymity and confidentiality have been maintained at every stage of the study. In addition couples (male and female) were used as surveyors to respect gender, cultural sensitivity and local area norms while administering the questionnaire at household levels.

Similarly the following key ethical principles were taken into consideration during the study:

- o Respect for person's autonomy
- o Beneficence
- o Integrity

Limitation of the study:-

This study was conducted in Safian village, Lashkergah district of Helmand province; systematic sampling was used, from every house for interview.

One of the study limitations was the availability of research assistant. Another limitation was due to density of family and houses in area, the finding of participant was difficult, so the VDCs, CRs and TST help us door to door visits.

Another limitation was that this study was new in this area. So I had to look for several literatures from health facility to find out information on basic development and use of BDN.

The sample size was small, so this study cannot be used for all population of the district.

Study results:-

Flowing table shows the summary result of the first and second BDN socio-economic survey, demographic structure and health status of the population in Rawani village Dand district of Kandahar Province and Safian Village, Lashkargah District of Helmand province in July-2016 and May 2017.

Rawani Village, Dand district, Kandahar province Summary result of the BDN baseline and nine months after implementation of the BDN program socio-economic Survey: - July 2016 and May-2017 Demographic structure & health status of the population 2016 2017 Total number of families in 1011 1034 the village Total number of households 390 402 in the village Total number of married 1007 1029 couples in the village Population Age groups Male Female Total Male Female Total % Age % Age Total population 3483 3599 7082 100% 3588 3702 7290 100% in the village Children 0 - <1 year 139 145 285 4% 143 149 292 4% Children 1-<5 years 596 614 1,210 17% 613 632 1245 17% 810 838 23% 832 860 1692 23% Children 5-<15 years 1648 Adult 15 - <45 years 1190 1231 2,421 1226 1265 2491 34% 34% Adult 45 - <60 years 19% 712 1384 19% 660 691 1351 682 Elderly above 60 years 88 80 168 2% 92 84 176 2% No. of school age children 810 838 1648 23% 832 861 1693 23% (Age group 5-<15 Years) No. of school age children 476 22 498 30% 34% 532 51 583 (attending school) Literate persons (age above 507 535 522 31 14% 28 14% 553 15 Years) in the village Women at Child Bearing 1231 17% 17% 1265 Age (15-<45Years)

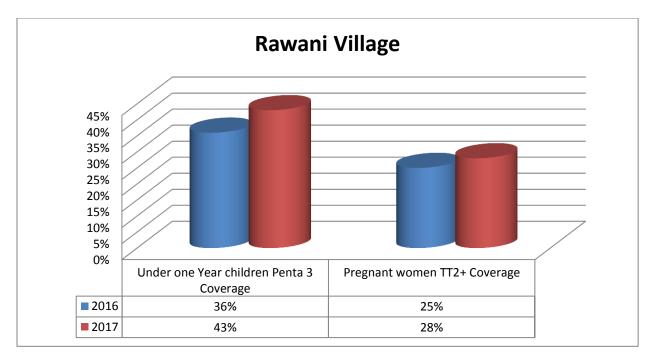
	2016			2017		
Indicators	Tot	Rate		Tot	Rate	
	al			al		
No. of children born in the past 12 months in the village	301	43	CBR/1,000 Pop	305	42	CBR/1,0
						00 Pop
No. of still births in the past 12 months in the village	16	53	St.B.R/1,000 Bir	12	39	St.B.R/1,
						000 Bir
No. of deaths in children under 1 (infants) during the	16	53	IMR/1,000 Bir.	13	43	IMR/1,00
past 12 months						0 Bir.
No. of deaths in children 1-<5 years in the past 12	11	9	MR /1000 1- <5	7	6	MR

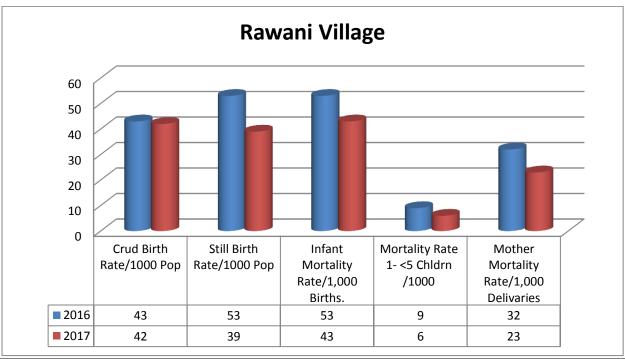
months			Children			/1000 1-
						<5
						Children
No. of pregnant women in the village at the time of the	252	20	of CBA women	258	20	of CBA
survey		%			%	women
No. of pregnant women in their last trimester at the	89	35	Of preg. Women	88	34	Of preg.
time of the survey		%			%	Women
No. of mothers died due to pregnancy related causes in	8	32	MMR/1,000 LB	6	23	MMR/1,
the past 12 months						000 LB

	2016			2017		
	Total	Immunized	%Coverage	Total	Immunized	%Coverage
Vaccination of under 1 children (Penta3)	285	102	36%	292	125	43%
Vaccination of pregnant women(TT2+)	252	62	25%	268	74	28%

Rawani village ,Dand district of Kandahar province basel	line and after implementation of	the H & BDN program
information about the Land holding, Irrigation, Livestock	and Poultry	
	2016	2017
Total number of households	390	402
Total number of families	1011	1034
Number of the skilled persons in the village	349	418
Number of the families ,which have access to portable	515	676
water		
Number of the households, which have access to safe	9	31
latrines		
Number of the households, which they use garbage	25	46
Number of the households, which they keep poultry	388	394
Number of the households, which they have agriculture	303	311
land		
Number of the households, which they use a reliable	25	46
method for irrigation.		
Number of the households, which they use better quality	201	223
of seeds in agriculture		
Number of the modern appliances in the village	971	1012
Number of the livestock and dairy animals in the village	278	275

The following bar graphs showed health related indicators in July 2016 and May 2017 in Rawani Village, Dand district, Kandahar province, before and after the implementation of BDN program.





Safian Village, Lashkergah district, Helmand province Summary result of the BDN baseline and nine months after implementation of the BDN program socio-economic Survey: - July 2016 and May-2017

Demographic structure & health status of the population

	2016	2017
Total number of families in	885	938
the village		
Total number of	290	306
households in the village		
Total number of married	881	939

couples in the village								
Population Age groups	Male	Female	Total	% Age	Male	Female	Total	% Age
Total population in the	3417	3275	6692	100%	3471	3326	6797	100%
village								
Children 0 - <1 year	182	180	362	5%	186	182	368	5%
Children 1-<5 years	697	563	1260	19%	697	580	1277	19%
Children 5-<15 years	990	943	1933	29%	1005	970	1975	29%
Adult 15 - <45 years	1244	1217	2461	37%	1264	1242	2506	37%
Adult 45 - <60 years	227	287	514	8%	240	291	531	8%
Elderly above 60 years	77	55	132	2%	79	61	140	2%
No. of school age children	990	943	1933	29%	1005	970	1975	29%
(Age group 5-<15 Years)								
No. of school age children	869	276	1145	59%	907	296	1203	61%
(attending school)								
Literate persons (age above	562	18	580	19%	571	22	593	19%
15 Years) in the village								
Women at Child Bearing	1217			18%	1242			18%
Age (15-<45Years)								

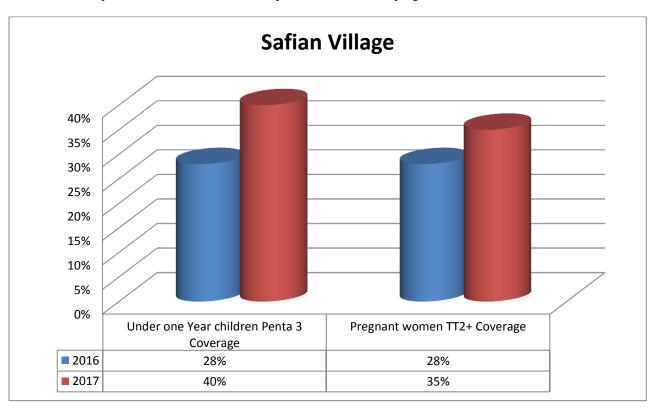
	2016			2017		
Indicators	Tot	Rate		Tot	Rate	
	al			al		
No. of children born in the past 12 months in the village	365	55	CBR/1,000 Pop	373	55	CBR/1,0
						00 Pop
No. of still births in the past 12 months in the village	15	41	St.B.R/1,000 Bir	12	32	St.B.R/1,
						000 Bir
No. of deaths in children under 1 (infants) during the	12	33	IMR/1,000 Bir.	6	17	IMR/1,00
past 12 months						0 Bir
No. of deaths in children 1-<5 years in the past 12	10	8	MR /1000 1- <5	8	6	MR
months			Children			/1000 1-
						<5
						Children
No. of pregnant women in the village at the time of the	240	20	of CBA women	253	20	of CBA
survey		%			%	women
No. of pregnant women in their last trimester at the	82	34	Of preg. Women	84	33	Of preg.
time of the survey		%			%	Women
No. of mothers died due to pregnancy related causes in	9	25	MMR/1,000 LB	7	19	MMR/1,
the past 12 months						000 LB

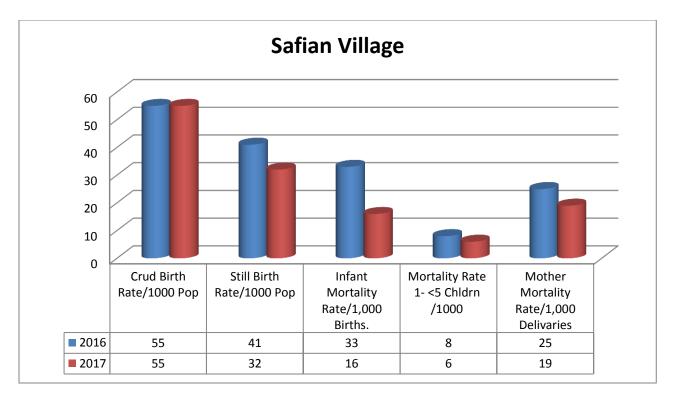
	2016			2017		
	Total	Immunized	%Coverage	Total	Immunized	%Coverage
Vaccination of under 1 children (Penta3)	362	103	28%	368	149	40%
Vaccination of pregnant women(TT2+)	240	68	28%	253	88	35%

Safian village ,Lashkergah district of Helmand province baseline and after implementation of the H & BDN program information about the Land holding, Irrigation, Livestock and Poultry 2017 2016 Total number of households 290 306 885 938 Total number of families Number of the skilled persons in the village 486 591 276 Number of the families ,which have access to portable 382 water 93 Number of the households, which have access to safe 65 latrines

Number of the households, which they use garbage	44	78
Number of the households, which they keep poultry	282	296
Number of the households, which they have agriculture	84	88
land		
Number of the households, which they use a reliable	13	19
method for irrigation.		
Number of the households, which they use better quality	19	26
of seeds in agriculture		
Number of the modern appliances in the village	886	936
Number of the livestock and dairy animals in the village	98	117

The following bar graphs show health related indicators in July 2016 and May 2017 in Safian Village, Lashkergah district Helmand province, before and after the implementation of BDN program.





Discussion:-

Started in Afghanistan in 1996 through establishing a model village in Kabul province, the BDN programme implementation despite difficulties and volatile situations in Afghanistan, has had positive impacts in health services utilization and coverage as well as in improvement of health indicators.

Currently, the BDN programme is covering 37 different communities with a total population of over 135,000 people in eight provinces of Afghanistan at different stages of the programme implementation. As the BDN approach entails, the socio-economic activities supported through the BDN programme in Afghanistan are based on local technology, prioritized by the people. This study indeed highlighted the importance and relevance of BDN programme implementation in Afghanistan. It further identified the gaps, areas for improvement and needs for implementation of such activities.

Since, the people's needs are tremendous and their resources are limited to contribute to the BDN process, it is hard to expect very impressive results from the meagre financial input of WHO in the process. It is, therefore, valid to say that for achieving more visible outcomes, in addition to strengthening the management capacity of the programme, more material support is required.

Recommendation:-

Looking at the study results, it is now clear that the BDN programme implementation has definite impact on the health status of the target beneficiaries, so it is highly recommended that similar activities should be implemented in other areas of the country with more focus on hard to reach areas. Meanwhile in order to have better and quality data, it is recommended that bring and involve the communities from the planning till the implementation, and this has been as success story of the study. Gender balance and using more female, particularly as supervisors and monitors for the study will further improve the quality of collected data will bring much improved information for planning process.

Conclusion:-

The BDN survey and the implementation of the proposed activities based on the BDN approach are quite significant and important to increase awareness of population on the concept of self-help and self-reliance and lead to further cooperation and collective action among the villagers for their well-being and healthy life style. Strengthening of the community-based development activities would bring impressive results in the target areas and they will help in

further expansion of the BDN programme to neighbouring communities. Even though the outcome will be impressive but the pace will be slower as the BDN are development activities that need a lot of time and finance. At the same time there would be need for improved planning and resource mobilization and utilization in order to achieve the outcome based on the priorities of the targeted communities.

References:-

- 1. Millennium Development Goals, Islamic Republic of Afghanistan Country Report 2013.
- 2. Basic development needs approach in the Eastern Mediterranean Region- from theory to practice
- 3. Basic Development Guideline MoPH Afghanistan
- 4. Provincial HMIS data of Kandahar province
- 5. Provincial HMIS data of Helmand province
- 6. Annual activities reports of Health Cluster, WASH, Nutrition and Food security clusters of Southern region, Afghanistan.

Annexes:-

Annex-1

Village level Summary of the BDN baseline socio-economic survey

Q. No.	Question	Answer	G. Total
	Demographic Data		
.0	Number of Families in the cluster	Total	1011
.1	Family members	Total	7082
		Male	3483
		Female	3599
	Children < 1 year	Total	285
		Male	139
		Female	145
	Children 1-<5 years	Total	1210
		Male	596
		Female	614
	Children 5-<15 years	Total	1648
		Male	810
		Female	838
	Adults 15-<45 years	Total	2421
		Male	1190
		Female	
	Adults 45-<60 years	Total	1351
		Male	660
		Female	691
	Elderly above 60 years	Total	168
		Male	88
		Female	80
.2	Married couples in the family	No of families	1011
		No of the couples in Families	1007
	Education & Literacy		
.1		Total	498
		Male	476
	School age children (5-<15) in the family:	Female	22
	Not Attending school	Total	1150
	Trot Attending sensor	Male	334

2.2		Female	816
2.2	Adult Literacy (above 15): Literate persons in the	No of families	1011
	family	Total literate persons	535
		Male	507
		Female	28
3	Training and Skills		
3.1	Any professional or technical training among in family	No of persons who took the	95
0.1	members	trainings	
		Male	91
		Female	4
		1. Health	4
		2. Engineering	0
		3. Agriculture	21
		4. Education	12
		5. Civil	5
		6. Military	44
		7. Others	9
3.2	Skilled persons in the family	No of skilled persons	349
٠.ــ	Simos persons in the luming	Male	301
		Female	60
		1. Carpenter	7
		2. Sew/Tailor	78
		3. Mechanic	18
		4. Others	239
4	Water	4. Others	239
4.1	Family has access to potable water throughout the year	No of families	1011
1.1	Tuning has access to potable water throughout the year	If yes, 1. River	0
		2. S. well	332
		3. Pond	0
		4. HP/TW	515
		5. Piped water	0
		6.Other	164
12	Sufficient water for domestic use is available	I Vec	1 838
4.2	Sufficient water for domestic use is available throughout the year	Yes	838
	throughout the year	Yes No	838 173
5	throughout the year Housing and Environment	No	173
	throughout the year	No Yes	951
5	throughout the year Housing and Environment	Yes If no, Rented	951 0
5 5.1	throughout the year Housing and Environment Do you own the house?	Yes If no, Rented Other	951 0 60
5 5.1 5.2	throughout the year Housing and Environment Do you own the house? No. of living houses	Yes If no, Rented Other Number	951 0 60 390
5 5.1 5.2	throughout the year Housing and Environment Do you own the house?	Yes If no, Rented Other Number Yes	951 0 60 390 88
5.2 5.3	throughout the year Housing and Environment Do you own the house? No. of living houses Do the house has separate ventilated kitchen?	No Yes If no, Rented Other Number Yes No	951 0 60 390 88 302
5 5.1 5.2	throughout the year Housing and Environment Do you own the house? No. of living houses	No Yes If no, Rented Other Number Yes No Yes	951 0 60 390 88 302 113
5.2 5.3 5.4	throughout the year Housing and Environment Do you own the house? No. of living houses Do the house has separate ventilated kitchen? Is the house electrified?	Yes If no, Rented Other Number Yes No Yes No	951 0 60 390 88 302 113 277
5 5.1 5.2 5.3	throughout the year Housing and Environment Do you own the house? No. of living houses Do the house has separate ventilated kitchen?	No Yes If no, Rented Other Number Yes No Yes No Yes No Yes	951 0 60 390 88 302 113 277 9
5.2 5.3 5.4 5.5	throughout the year Housing and Environment Do you own the house? No. of living houses Do the house has separate ventilated kitchen? Is the house electrified? Is there any specific shower in the households?	No Yes If no, Rented Other Number Yes No Yes No Yes No	951 0 60 390 88 302 113 277 9 381
5.2 5.3 5.4	throughout the year Housing and Environment Do you own the house? No. of living houses Do the house has separate ventilated kitchen? Is the house electrified?	No Yes If no, Rented Other Number Yes No Yes No Yes No Yes No No of households	951 0 60 390 88 302 113 277 9 381 390
5.2 5.3 5.4 5.5	throughout the year Housing and Environment Do you own the house? No. of living houses Do the house has separate ventilated kitchen? Is the house electrified? Is there any specific shower in the households?	No Yes If no, Rented Other Number Yes No Yes No Yes No Yes No No of households If yes, 1. VIP	951 0 60 390 88 302 113 277 9 381 390 2
5.2 5.3 5.4 5.5	throughout the year Housing and Environment Do you own the house? No. of living houses Do the house has separate ventilated kitchen? Is the house electrified? Is there any specific shower in the households?	No Yes If no, Rented Other Number Yes No Yes No Yes No Yes No Yes No No of households If yes, 1. VIP 2. WC	951 0 60 390 88 302 113 277 9 381 390 2
5.2 5.3 5.4 5.5 5.6	throughout the year Housing and Environment Do you own the house? No. of living houses Do the house has separate ventilated kitchen? Is the house electrified? Is there any specific shower in the households? Is there a sanitary latrine in the house?	No Yes If no, Rented Other Number Yes No Yes No Yes No Yes No Yes No No of households If yes, 1. VIP 2. WC 3.Traditional(unsafe)	951 0 60 390 88 302 113 277 9 381 390 2 7
5.2 5.3 5.4 5.5 5.6	throughout the year Housing and Environment Do you own the house? No. of living houses Do the house has separate ventilated kitchen? Is the house electrified? Is there any specific shower in the households?	No Yes If no, Rented Other Number Yes No Yes No Yes No Yes No No of households If yes, 1. VIP 2. WC 3.Traditional(unsafe) Yes	951 0 60 390 88 302 113 277 9 381 390 2 7 381 25
5.2 5.3 5.4 5.5 5.6	throughout the year Housing and Environment Do you own the house? No. of living houses Do the house has separate ventilated kitchen? Is the house electrified? Is there any specific shower in the households? Is there a sanitary latrine in the house? Do you have and use garbage container?	No Yes If no, Rented Other Number Yes No Yes No Yes No You No of households If yes, 1. VIP 2. WC 3.Traditional(unsafe) Yes No	951 0 60 390 88 302 113 277 9 381 390 2 7 381 25 365
5.2 5.3 5.4 5.5 5.6	throughout the year Housing and Environment Do you own the house? No. of living houses Do the house has separate ventilated kitchen? Is the house electrified? Is there any specific shower in the households? Is there a sanitary latrine in the house?	No Yes If no, Rented Other Number Yes No Yes No Yes No Yes No No of households If yes, 1. VIP 2. WC 3.Traditional(unsafe) Yes	951 0 60 390 88 302 113 277 9 381 390 2 7 381 25

		If yes, 1. Radio	509
			338
		2.Audio player	
		3.Television	47
		4.Refrigerator	8
	T 11 11 17 4	5.Other	69
6	Land holding and Irrigation	N. C1 1 11	200
6.1	Do you own agricultural land?	No of households	390
		Yes	303
		No	87
6.2	Do the households use a reliable method for irrigation?	No	278
		Yes, Type	25
6.3	Do the households use better quality of seeds in	Yes	201
	agriculture?	No	102
6.4	Do the households seek technical guidance of experts	Yes	84
	for agriculture?	No	219
7	Livestock and Poultry		
7.1	Do the households raise livestock and dairy animals?	No of households	390
		If yes, 1.Cows	83
		2.Buffaloes	0
		3.Sheep	129
		4.Goats	41
		5. Camels	0
		6.Other	20
7.2	Do the households keep poultry?	No of household	390
/ .2	Do the households keep pounty.	If yes, household Use	388
		Commercial	9
8	Means of livelihood	Commercial	,
8.1	Are there any means of livelihood of the households?	No households	390
0.1	The there any means of fivermood of the households.	If yes, 1, Agriculture	303
		2.Livestock	258
		3.Small trades	29
		4.Skilled/tech	51
			122
		5. Employment 6. Labor	643
0.2	D 4 C 1 4 20 H90; 419	7. Other	396
8.2	Does the family earn more than 30 US\$ in a month?	No of families	1011
		Yes	891
0.5		No	120
8.3	Are there any unemployed (adults) people in the	Adult population	3940
	family?	Male	916
		Female	1991
9	Food, Nutrition and Growth Monitoring		
9.1	Do family members eat the necessary food items at	No of families	1011
	least twice a week?	Yes, meat ,fish, eggs or milk	471
		Fruits or vegetables	909
9.2	How many under2 year children have been breast-fed?	Total number of under 2 years	564
		children	
		<6 M	131
		>6 M	279
9.3	How many under1 year children were weighed at	Number weighed	152
	birth?	Normal (>2.5 kg)	137
		LBW (<2.5 kg)	15
9.4	How many children 0-<5 years of age are growing	Number (Normal)	901
, ·	normally?	Number (Abnormal)	603
L	<i>y</i> -		1 000

9.5	How many children 5-<15 years of age are growing	Number (Normal)	1557
,	normally?	Number (Abnormal)	91
10	Health	,	
10.1	How many children were born in these households during the past 12 months?	Number	301
10.2	How many stillbirths during the past 12 months?	Number	16
10.3	How many children born with congenital problems?	Total number	3
		1. Physical	2
		2. Mental	1
		3. Visual	0
10.4	How many children of less than one-year age died in	If yes, number	16
	the past 12 months?	Age at death	
		1. NT	1
		2. ARI	3
		3. Diarrhea	2
		4. Other	7
10.5	How many children 1-<5 years of age died in the past	Number	11
	12 months?	Age at death	
		1. ARI	2
		2. Diarrhea	3
		3. Other	6
10.6	Are the children under one year of age vaccinated?	Number of children	285
		If yes, Completed-number	102
		Not Completed-number	183
10.7	Are there any pregnant women living in this house at	No of CBA women	1231
	this time?	No of pregnant	252
		Last Trimester	89
10.8	How many of the pregnant women have been vaccinated against tetanus (T2+)?	Number	62
10.9	Has the pregnant women been examined by trained	No of pregnant	252
	health worker during pregnancy (ANC)?	Yes	175
		No	77
10.1	How many deliveries trained health staff has assisted?	Total Number	185
		1. CHC or BHC	54
		2. CHW	22
		3. Private clinic	27
		4. RH and Aino Maternity	82
		Center	
10.11	Have the mothers been attended by a health worker or	Yes	25
	trained THW at-least once within six weeks after delivery?	No	224
10.12	How many pregnant women have died due to pregnancy during the past 12 months	Number	8
10.13	How many couples in your family use family planning	Total Number	171
	methods?	If Yes, 1. Condom	35
		2. Pills	103
		3. I.U.D	4
		4. Other	29
10.14	Are there family members suffering from any chronic	No of total families	1011
	disease?	If Yes, Number?	84
10.15	Are there family members suffering from any	No of total families	1011
	disability?	If Yes, Number?	65
		1. Physical	41
		2. Mental	19

		_
	2 Vicion	5
	1 3. V1S10N)

Anex-2The tables Bellow shows the 2nd after nine months summary of Rwani village Dand district of Kandahar Province in May.2017.

May.2017 Q. No.	Question	Answer	G. Total
1	Demographic Data	2	
1.0	Number of Families in the cluster	Total	1034
1.1	Family members	Total	7290
1.1	Tuminy memoers	Male	3588
		Female	3702
	Children < 1 year	Total	292
	Cimaren < 1 year	Male	143
		Female	149
	Children 1-<5 years	Total	1245
	Cimaren 1 & years	Male	613
		Female	632
		Total	1692
	Children 5-<15 years	Male	832
	A 1 1, 15 , 45 ,	Female	860
	Adults 15-<45 years	Total	2491
		Male	1226
	111.4% 50	Female	1265
	Adults 45-<60 years	Total	1394
		Male	682
		Female	712
	Elderly above 60 years	Total	176
		Male	92
		Female	84
1.2	Married couples in the family	No of families	1034
		No of the couples in Families	1029
2	Education & Literacy		
2.1		Total	558
		Male	532
	School age	Female	51
	children (5-<15)		
	in the family:		
	Attending school		
	Not Attending school	Total	1135
		Male	300
		Female	810
2.2	Adult Literacy (above 15): Literate persons in the	No of families	1034
	family	Total literate persons	553
		Male	522
		Female	31
3	Training and Skills	Temme	
3.1	Any professional or technical training among in family	No of persons who took the	213
٥.1	members	trainings	
	monicolu	Male	201
		Female	12
		1. Health	10
		2. Engineering	11
		3. Agriculture	74

		4 Education	22
		4. Education	22
		5. Civil	15
		6. Military	44
2.2	Cl 'll 1 . 1 ' (l C '')	7. Others	27
3.2	Skilled persons in the family	No of skilled persons	418
		Male	352
		Female	66
		1. Carpenter	8
		2. Sew/Tailor	84
		3. Mechanic	17
		4. Others	243
4	Water		
4.1	Family has access to potable water throughout the year	No of families	1034
		If yes, 1. River	0
		2. S. well	228
		3. Pond	0
		4. HP/TW	676
		5. Piped water	0
		6.Other	130
4.2	Sufficient water for domestic use is available	Yes	906
	throughout the year	No	128
5	Housing and Environment		
5.1	Do you own the house?	Yes	962
		If no, Rented	0
		Other	72
5.2	No. of living houses	Number	402
5.3	Do the house has separate ventilated kitchen?	Yes	112
		No	290
5.4	Is the house electrified?	Yes	134
		No	268
5.5	Is there any specific shower in the households?	Yes	15
	is there any specific shower in the households.	No	387
5.6	Is there a sanitary latrine in the house?	No of households	402
5.0	is there a samual y latime in the nouse.	If yes, 1. VIP	9
		2. WC	22
		3.Traditional(unsafe)	371
5.7	Do you have and use garbage container?	Yes	46
3.7	Do you have and use garbage container.	No	356
5.8	Does wastewater stagnate around the vicinity of your	Yes	163
5.0	household?	No	239
5.9	Do you have modern appliances in your households?	No of houses	402
3.9	bo you have modern apphances in your nouseholds?	If yes, 1. Radio	522
		2.Audio player	358
		3.Television	
			56
		4.Refrigerator	14
-	Tandhalda and Tand	5.Other	62
6	Land holding and Irrigation	Nt C1 1 . 1.1	402
6.1	Do you own agricultural land?	No of households	402
		Yes	311
		No	91
6.2	Do the households use a reliable method for irrigation?	No	265
		Yes, Type	46
6.3	Do the households use better quality of seeds in	Yes	223

	agriculture?	No	88
6.4	Do the households seek technical guidance of experts	Yes	102
0.4	for agriculture?	No	209
7	Livestock and Poultry	110	209
7.1	Do the households raise livestock and dairy animals?	No of households	402
7.1	Do the households raise livestock and daily animals?	If yes, 1.Cows	88
		2.Buffaloes	0
			· ·
		3.Sheep	123
		4.Goats	42
		5. Camels	0
7. 2		6.Other	22
7.2	Do the households keep poultry?	No of household	402
		If yes, household Use	394
		Commercial	14
8	Means of livelihood		
8.1	Are there any means of livelihood of the households?	No households	402
		If yes, 1, Agriculture	311
		2.Livestock	275
		3.Small trades	41
		4.Skilled/tech	63
		5. Employment	148
		6. Labor	684
		7. Other	432
8.2	Does the family earn more than 30 US\$ in a month?	No of families	1034
		Yes	912
		No	122
8.3	Are there any unemployed (adults) people in the	Adult population	4061
0.0	family?	Male	874
	Turning .	Female	1975
9	Food, Nutrition and Growth Monitoring	Temate	1773
9.1	Do family members eat the necessary food items at	No of families	1034
J.1	least twice a week?	Yes, meat ,fish, eggs or milk	548
	least twice a week.	Fruits or vegetables	984
9.2	How many under 2 year children have been breast-fed?	Total number of under 2 years	587
9.2	How many under 2 year children have been breast-led?	children	367
			142
		<6 M	
0.2	TT 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	>6 M	302
9.3	How many under1 year children were weighed at birth?	Number weighed	178
		Normal (>2.5 kg)	166
0.4	TT 1:11 0 .7 C	LBW (<2.5 kg)	12
9.4	How many children 0-<5 years of age are growing	Number (Normal)	978
0.5	normally?	Number (Abnormal)	559
9.5	How many children 5-<15 years of age are growing	Number (Normal)	1605
	normally?	Number (Abnormal)	87
10	Health		
10.1	How many children were born in these households during the past 12 months?	Number	305
10.2	How many stillbirths during the past 12 months?	Number	12
10.3	How many children born with congenital problems?	Total number	2
	,	1. Physical	1
		2. Mental	0
		3. Visual	0
10.4	How many children of less than one-year age died in	If yes, number	13
10.7	the past 12 months?	Age at death	13
	the past 12 months:	1150 at ucatii	

		1. NT	3
		2. ARI	1
		3. Diarrhea	2
		4. Other	7
10.5	How many children 1-<5 years of age died in the past	Number	7
10.0	12 months?	Age at death	,
		1. ARI	2
		2. Diarrhea	1
		3. Other	4
10.6	Are the children under one year of age vaccinated?	Number of children	292
10.0	The the emission under one year of age vaccinated.	If yes, Completed-number	125
		Not Completed-number	167
10.7	Are there any pregnant women living in this house at	No of CBA women	1265
10.7	this time?	No of pregnant	258
	tins time.	Last Trimester	88
10.8	How many of the pregnant women have been	Number	74
10.6	vaccinated against tetanus (T2+)?	Number	/4
10.9	Has the pregnant women been examined by trained	No of pregnant	268
	health worker during pregnancy (ANC)?	Yes	217
		No	51
10.1	How many deliveries trained health staff has assisted?	Total Number	214
		1. CHC or BHC	66
		2. CHW	39
		3. Private clinic	18
		4. RH and Aino Maternity	91
		Center	
10.11	Have the mothers been attended by a health worker or	Yes	38
	trained THW at-least once within six weeks after delivery?	No	246
10.12	How many pregnant women have died due to pregnancy during the past 12 months	Number	6
10.13	How many couples in your family use family planning	Total Number	198
	methods?	If Yes, 1. Condom	49
		2. Pills	115
		3. I.U.D	8
		4. Other	26
10.14	Are there family members suffering from any chronic	No of total families	1034
~ ·	disease?	If Yes, Number?	71
10.15	Are there family members suffering from any	No of total families	1034
	disability?	If Yes, Number?	56
	disability:		
	disability:		42
	disability:	1. Physical 2. Mental	42 8

Anex-3

Village lev	el Summary of the BDN baseline socio-economic survey	7	
Safian villa	ge, Lashkergah district of Helmand Province in July-201	.6	
Q.No.	Question	Answer	G.Total
1	Demographic Data		
1.0	Number of Families in the cluster	Total	885
1.1	Family members	Total	6692
		Male	3417
		Female	3275
	Children < 1 year	Total	362

		Male	182
		Female	180
	Children 1-<5 years	Total	1248
	Similaren 1 (5 years)	Male	695
		Female	563
	Children 5-<15 years	Total	1933
	Cinidren 5 ×15 years	Male	990
		Female	943
	Adults 15-<45 years	Total	2433
	Addits 13-\+3 years	Male	1246
		Female	1217
	Adults 45-<60 years	Total	514
	Addits 45-\00 years	Male	227
		Female	287
	Elderly above 60 years	Total	132
	Elderly above 60 years	Male	77
			55
1.2	Mamiad accordes in the formile:	Female No of families	
1.2	Married couples in the family		885
_	T1 4' 0 T'4	No of the couples in Families	881
2.1	Education & Literacy	Total	1145
2.1		Total	1145
	School age	Male Female	869
	children (5-<15) in the family:	remaie	276
	Attending school		
	Not Attending school	Total	788
		Male	121
		Female	667
2.2	Adult Literacy (above 15): Literate persons in the	No of families	885
	family	Total literate persons	580
		Total literate persons	380
		Male	562
3	·	Male	562
3 3.1	Training & Skills	Male Female	562
	·	Male Female No of persons who took the	562 18
	Training & Skills Any professional or technical training among in family	Male Female	562 18
	Training & Skills Any professional or technical training among in family	Male Female No of persons who took the trainings	562 18 187
	Training & Skills Any professional or technical training among in family	Male Female No of persons who took the trainings Male	562 18 187
	Training & Skills Any professional or technical training among in family	Male Female No of persons who took the trainings Male Female 1. Health	562 18 187 187 0
	Training & Skills Any professional or technical training among in family	Male Female No of persons who took the trainings Male Female 1. Health 2. Engineering	562 18 187 187 0 6
	Training & Skills Any professional or technical training among in family	Male Female No of persons who took the trainings Male Female 1. Health 2. Engineering 3. Agriculture	562 18 187 187 0 6 32 82
	Training & Skills Any professional or technical training among in family	Male Female No of persons who took the trainings Male Female 1. Health 2. Engineering 3. Agriculture 4. Education	562 18 187 187 0 6 32
	Training & Skills Any professional or technical training among in family	Male Female No of persons who took the trainings Male Female 1. Health 2. Engineering 3. Agriculture 4. Education 5. Civil	562 18 187 0 6 32 82 40 48
	Training & Skills Any professional or technical training among in family	Male Female No of persons who took the trainings Male Female 1. Health 2. Engineering 3. Agriculture 4. Education 5. Civil 6. Military	562 18 187 187 0 6 32 82 40
3.1	Training & Skills Any professional or technical training among in family members	Male Female No of persons who took the trainings Male Female 1. Health 2. Engineering 3. Agriculture 4. Education 5. Civil 6. Military 7. Others	562 18 187 187 0 6 32 82 40 48 39 9
	Training & Skills Any professional or technical training among in family	Male Female No of persons who took the trainings Male Female 1. Health 2. Engineering 3. Agriculture 4. Education 5. Civil 6. Military 7. Others No of skilled persons	562 18 187 0 6 32 82 40 48 39 9 486
3.1	Training & Skills Any professional or technical training among in family members	Male Female No of persons who took the trainings Male Female 1. Health 2. Engineering 3. Agriculture 4. Education 5. Civil 6. Military 7. Others No of skilled persons Male	562 18 187 187 0 6 32 82 40 48 39 9 486 203
3.1	Training & Skills Any professional or technical training among in family members	Male Female No of persons who took the trainings Male Female 1. Health 2. Engineering 3. Agriculture 4. Education 5. Civil 6. Military 7. Others No of skilled persons Male Female	562 18 187 0 6 32 82 40 48 39 9 486 203 283
3.1	Training & Skills Any professional or technical training among in family members	Male Female No of persons who took the trainings Male Female 1. Health 2. Engineering 3. Agriculture 4. Education 5. Civil 6. Military 7. Others No of skilled persons Male Female 1. Carpenter	562 18 187 0 6 32 82 40 48 39 9 486 203 283 30
3.1	Training & Skills Any professional or technical training among in family members	Male Female No of persons who took the trainings Male Female 1. Health 2. Engineering 3. Agriculture 4. Education 5. Civil 6. Military 7. Others No of skilled persons Male Female	562 18 187 0 6 32 82 40 48 39 9 486 203 283

4	Water		
4.1	Family has access to potable water throughout the year	No of families	885
	, , , , , , , , , , , , , , , , , , ,	If yes, 1. River	0
		2. S. well	476
		3. Pond	0
		4. HP/TW	276
		5. Piped water	0
		6.Other	133
4.2	Sufficient water for domestic use is available	Yes	547
7.2	throughout the year	No	338
5	Housing & Environment	110	330
5.1	Do you own the house?	Yes	665
3.1	Do you own the house:	If no, Rented	121
		Other	99
5.2	No. of living houses	Number	290
5.3	Do the house has separate ventilated kitchen?	Yes	118
5.5	Do the house has separate venthated kitchen?	No	172
F 1	Is the house electrified?		
5.4	is the nouse electrified?	Yes	103
	T. d. 10" 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	No	175
5.5	Is there any specific shower in the households?	Yes	14
		No	276
5.6	Is there a sanitary latrine in the house?	No of households	290
		If yes, 1. VIP	8
		2. WC	57
		3.Traditional	225
5.7	Do you have and use garbage container?	Yes	44
		No	246
5.8	Does wastewater stagnate around the vicinity of your	Yes	102
	house?	No	188
5.9	Do you have modern appliances in your house?	No of houses	290
		If yes, 1. Radio	515
		2.Audio player	272
		3.Television	50
		4.Refrigerator	6
		5.Other	42
6	Land holding and Irrigation		
6.1	Do you own agricultural land?	No of households	290
		Yes	84
		No	206
6.2	Do the households use a reliable method for irrigation?	No	71
	Č	Yes, Type	13
6.3	Do the households use better quality of seeds in	Yes	19
	agriculture?	No	75
6.4	Do the households seek technical guidance of experts	Yes	8
	for agriculture?	No	76
7	Livestock & Poultry		
7.1	Do the households raise livestock and dairy animals?	No of households	290
	and the same and t	If yes, 1.Cows	22
		2.Buffaloes	0
		3.Sheep	48
		4.Goats	12
		5. Camels	0
		6.Other	16
1		0.Omei	10

7.2	Do the households keep poultry?	No of household	290
		If yes, household Use	282
		Commercial	9
8	Means of livelihood		
8.1	Are there any means of livelihood of the households?	No households	290
	, and the second	If yes, 1, Agriculture	81
		2.Livestock	51
		3.Small trades	35
		4.Skilled/tech	63
		5. Employment	48
		6. Labor	227
		7. Other	38
8.2	Does the family earn more than 30 US\$ in a month?	No of families	885
0.2	Boes the family earn more than 50 CB\$ in a month.	Yes	634
		No	251
8.3	Are there any unemployed (adults) people in the	Adult population	2778
0.5	family?	Male	438
	Turning .	Female	1376
9	Food, Nutrition and Growth Monitoring	Temale	1370
9.1		No of families	005
9.1	Do family members eat the necessary food items at least twice a week?		885 431
	least twice a week?	Yes, meat, fish, eggs or milk	
0.2	H	Fruits or vegetables	461
9.2	How many under2 year children have been breast-fed?	Total number of under 2 years	683
		children	011
		<6 M	211
0.0	***	>6 M	378
9.3	How many under1 year children were weighed at birth?	Number weighed	39
		Normal (>2.5 kg)	36
		LBW (<2.5 kg)	3
9.4	How many children 0-<5 years of age are growing	Number (Normal)	843
	normally?	Number (Abnormal)	861
9.5	How many children 5-<15 years of age are growing	Number (Normal)	1488
	normally?	Number (Abnormal)	445
10	Health		
10.1	How many children were born in these households during the past 12 months?	Number	365
10.2	How many stillbirths during the past 12 months?	Number	15
10.3	How many children born with congenital problems?	Number	3
		1. Physical	1
		2. Mental	2
		3. Visual	0
10.4	How many children of less than one-year age died in	If yes, number	12
	the past 12 months?	Age at death	
		1. NT	0
		2. ARI	1
		3. Diarrhea	3
		4. Other	8
10.5	How many children 1-<5 years of age died in the past	Number	10
	12 months?	Age at death	
		1. ARI	2
		2. Diarrhea	4
		3. Other	4
10.6	Are the children under one year of age vaccinated?	Number of children	362
10.0	And the children under one year of age vacciliated?		103
l .		If yes, Completed-number	103

		Not Completed-number	259
10.7	Are there any pregnant women living in this house at	No of CBA women	1217
	this time?	No of pregnant	240
		Last Trimester	82
10.8	How many of the pregnant women have been vaccinated against tetanus (T2+)?	Number	68
10.9	Has the pregnant women been examined by trained	No of pregnant	240
	health worker during pregnancy (ANC)?	Yes	78
		No	162
10.1	How many deliveries trained health staff has assisted?	Total Number	76
		1. CHC, BHC or SHC	38
		2. CHW	5
		3. Private clinic	9
		4.PH and Bayat Maternity	22
		Center	
10.11	Have the mothers been attended by a health worker or	Yes	32
	trained THW at-least once within six weeks after delivery?	No	208
10.12	How many pregnant women have died due to pregnancy during the past 12 months	Number	9
10.13	How many couples in your family use family planning	Total Number	116
	methods?	If Yes, 1. Condom	18
		2. Pills	79
		3. I.U.D	4
		4. Other	15
10.14	Are there family members suffering from any chronic	No of total families	885
	disease?	If Yes, Number?	58
10.15	Are there family members suffering from any	No of total families	885
	disability?	If Yes, Number?	33
		1. Physical	21
		1. Filysical	∠1
		2. Mental	11

Anex-4

The Bellow tables show the 2nd survey's (after nine months of the BDN program implantation) summary of Safian village Lashkergah district of Helmand Province in May.2017.

Q.No.	Question	Answer	G.Total
1	Demographic Data		
1.0	Total number of Families in the cluster		938
1.1	Family members	Total	6797
		Male	3471
		Female	3326
	Children < 1 year	Total	368
		Male	186
		Female	182
	Children 1-<5 years	Total	1277
		Male	697
		Female	580
	Children 5-<15 years	Total	1975
		Male	1005
		Female	970
	Adults 15-<45 years	Total	2506
		Male	1264
		Female	1242

	A 1 1: 45 .CO	TD 4.1	521
	Adults 45-<60 years	Total	531
		Male	240
		Female	291
	Elderly above 60 years	Total	140
		Male	79
		Female	61
1.2	Married couples in the family	No of families	938
		No of the couples in Families	939
2	Education & Literacy		
2.1		Total	1203
		Male	907
	School age	Female	296
	children (5-<15)		
	in the family:		
	Attending school		
	Not Attending school	Total	772
		Male	111
		Female	661
2.2	Adult Literacy (above 15): Literate persons in the	No of families	938
	family	Total literate persons	593
		Male	571
		Female	22
3	Training & Skills	Temme	
3.1	Any professional or technical training among in	No of persons who took the	295
3.1	family members	trainings	273
	laminy members	Male	261
		Female	34
		1. Health	36
		2. Engineering	32
		3. Agriculture	102
		4. Education	40
		5. Civil	54
		6. Military	41
		7. Others	59
3.2	Skilled persons in the family	No of skilled persons	591
3.2	Skined persons in the family	Male	288
		Female	313 35
		1. Carpenter	
		2. Sew/Tailor	275
		3. Mechanic	98
_	XX7.4	4. Others	139
4	Water	NI CC 'II'	020
4.1	Family has access to potable water throughout the	No of families	938
	year	If yes, 1. River	0
		2. S. well	449
		3. Pond	0
		4. HP/TW	382
		5. Piped water	0
		6.Other	113
4.2	Sufficient water for domestic use is available	Yes	637
	throughout the year	No	301
5	Housing & Environment		

5 1	Do you own the house?	Vac	715
5.1	Do you own the house?	Yes	715
		If no, Rented	126
	N 08 1 1	Other	97
5.2	No. of living houses	Number	306
5.3	Do the houses have separate ventilated kitchen?	Yes	142
		No	164
5.4	Is the house electrified?	Yes	132
		No	174
5.5	Is there any specific shower in the households?	Yes	30
		No	274
5.6	Is there a sanitary latrine in the house?	No of households	306
		If yes, 1. VIP	15
		2. WC	78
		3.Traditional	213
5.7	Do you have and use garbage container?	Yes	78
		No	228
5.8	Does wastewater stagnate around the vicinity of your	Yes	136
0.0	house?	No	170
5.9	Do you have modern appliances in your house?	No of houses	306
5.7	20 you have modern appliances in your nouse:	If yes, 1. Radio	508
		2. Audio player	288
		3.Television	74
		4.Refrigerator	13
	T 11 11 17 17 1	5.Other	53
6	Land holding and Irrigation	N C1 1 11	206
6.1	Do you own agricultural land?	No of households	306
		Yes	88
		No	218
6.2	Do the households use a reliable method for	No	69
	irrigation?	Yes, Type	19
6.3	Do the households use better quality of seeds in	Yes	26
	agriculture?	No	62
6.4	Do the households seek technical guidance of experts	Yes	13
	for agriculture?	No	75
7	Livestock & Poultry		
7.1	Do the households raise livestock and dairy animals?	No of households	306
		If yes, 1.Cows	30
		2.Buffaloes	0
		3.Sheep	51
		4.Goats	17
		5. Camels	0
		6.Other	19
7.2	Do the households keep poultry?	No of household	306
,	25 the households keep poultry.	If yes, household Use	296
		Commercial	15
8	Means of livelihood	Commercial	1.5
8.1	Are there any means of livelihood of the households?	No households	306
8.1	The there any means of inventiond of the households:	If yes, 1, Agriculture	86
		- ·	
		2.Livestock	58
		3.Small trades	42
		4.Skilled/tech	72
		5. Employment	51
		6. Labor	249

		7. Other	82
8.2	Does the family earn more than 30 US\$ in a month?	No of families	938
		Yes	723
		No	215
8.3	Are there any unemployed (adults) people in the	Adult population	2838
	family?	Male	412
		Female	1365
9	Food, Nutrition and Growth Monitoring		I.
9.1	Do family members eat the necessary food items at	No of families	938
	least twice a week?	Yes, meat, fish, eggs or milk	486
		Fruits or vegetables	522
9.2	How many under2 year children have been breast-	Total number of under 2 years	781
	fed?	children	
		<6 M	227
		>6 M	348
9.3	How many under1 year children were weighed at	Number weighed	92
	birth?	Normal (>2.5 kg)	87
		LBW (<2.5 kg)	5
9.4	How many children 0-<5 years of age are growing	Number (Normal)	923
	normally?	Number (Abnormal)	722
9.5	How many children 5-<15 years of age are growing	Number (Normal)	1573
<i>7.0</i>	normally?	Number (Abnormal)	402
10	Health	Trumber (Honorman)	102
10.1	How many children were born in these households	Number	373
10.1	during the past 12 months?	rumoci	373
10.2	How many stillbirths during the past 12 months?	Number	12
10.3	How many children born with congenital problems?	Number	1
		1. Physical	1
		2. Mental	0
		3. Visual	0
10.4	How many children of less than one-year age died in	If yes, number	6
	the past 12 months?	Age at death	
		1. NT	0
		2. ARI	1
		3. Diarrhea	1
		4. Other	4
10.5	How many children 1-<5 years of age died in the past	Number	8
	12 months?	Age at death	
		1. ARI	1
		2. Diarrhea	2
		3. Other	5
10.6	Are the children under one year of age vaccinated?	Number of children	368
	,	If yes, Completed-number	149
		Not Completed-number	219
10.7	Are there any pregnant women living in this house at	No of CBA women	1242
•	this time?	No of pregnant	253
		Last Trimester	84
10.8	How many of the pregnant women have been	Number	88
	vaccinated against tetanus (T2+)?		
10.9	Has the pregnant women been examined by trained	No of pregnant	253
	health worker during pregnancy (ANC)?	Yes	107
		No	146
10.1	How many deliveries trained health staff has assisted?	Total Number	107
		1. CHC, BHC or SHC	51

		2. CHW	4
		3. Private clinic	7
		4.PH and Bayat Maternity	45
		Center	
10.11	Have the mothers been attended by a health worker or	Yes	66
	trained THW at-least once within six weeks after delivery?	No	187
10.12	How many pregnant women have died due to	Number	7
	pregnancy during the past 12 months		
10.13	How many couples in your family use family	Total Number	197
	planning methods?	If Yes, 1. Condom	39
		2. Pills	122
		3. I.U.D	8
		4. Other	28
10.14	Are there family members suffering from any chronic	No of total families	938
	disease?	If Yes, Number?	60
10.15	Are there family members suffering from any	No of total families	938
	disability?	If Yes, Number?	32
		1. Physical	21
		2. Mental	10
		3. Vision	1