CHAPTER - III
CHAPTER - III

METHODOLOGY AND PROCEDURE

The main focus of the present study was to assess the impact of various services on the development of child and mother of under privileged groups of Kashmir. Besides to it, the services available to and utilized by children, pregnant ladies and nursing mothers of general group were also observed. In all, ten groups of under-privileged children, pregnant ladies and nursing mothers were taken up for analysis in regard to their utilization of supplementary nutrition and immunization services. The comparisons were made between various groups with respect to these variables. In view of this, survey method was used in the study.

Sample:

It was not possible to involve all the I.C.D.S. centres of all the six districts of Kashmir valley nor was it possible to take up all the children of different age groups or pregnant ladies and nursing mothers, therefore, the method of random sampling was used.

Two stage sampling has been applied for the study. Three Anganwadi centres were selected from each block at random, thus formed the first stage sample unit. From
each of the Anganwadi centre (A.W.C) two pregnant ladies, two nursing mothers and four children of 0-6 years of age group were selected whose mothers were interviewed. This formed the second stage unit of sample. In all, 180 pregnant ladies, 180 nursing mothers, 180 general mothers having 360 children in the age group of 0-6 years, 50 medical officers of concerned health Centres/dispensaries and 90 A.W.C of 30 blocks of six districts of I.C.D.s were selected for the study. The total population of the children in the age group of 0-6 years in 90 A.W centres was 6000 constituting of 3242 male children and 2758 female children, out of which 202 male and 158 female were taken randomly as the sample for the present study. Similarly, out of 605 pregnant ladies and 635 nursing mothers registered in these 90 A.W. Centres, 180 were selected for study as sample.

The description of the sample is given in the tables which follows on next page:

**Selection of under Privileged groups:**

The socially disadvantaged groups are spread throughout the different parts of the Valley. It was not possible to conduct the study on all these areas, hence only those areas were randomly selected which were dominated by these 10 groups of socially disadvantaged
Table No: 1.0
Evaluation Survey on disadvantaged groups of Population in Kashmir Province of J & K
Basic data of samples selected for the survey

<table>
<thead>
<tr>
<th>S. No</th>
<th>District</th>
<th>No. of I.C.D.S Projects Selected</th>
<th>No. of A.W. Centres/Workers Selected</th>
<th>No. of Med. Inst./Officers Selected</th>
<th>No. of Pregnant Ladies Selected</th>
<th>Number of Nursing Mothers Selected</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>No.</td>
<td>Covered %</td>
<td>No.</td>
<td>Covered %</td>
<td>No.</td>
</tr>
<tr>
<td>1</td>
<td>Srinagar</td>
<td>3</td>
<td>100</td>
<td>9</td>
<td>100</td>
<td>5</td>
</tr>
<tr>
<td>2</td>
<td>Budgam</td>
<td>5</td>
<td>100</td>
<td>15</td>
<td>100</td>
<td>8</td>
</tr>
<tr>
<td>3</td>
<td>Anantnag</td>
<td>6</td>
<td>100</td>
<td>18</td>
<td>100</td>
<td>10</td>
</tr>
<tr>
<td>4</td>
<td>Pulwama</td>
<td>5</td>
<td>100</td>
<td>15</td>
<td>100</td>
<td>8</td>
</tr>
<tr>
<td>5</td>
<td>Baramulla</td>
<td>6</td>
<td>100</td>
<td>18</td>
<td>100</td>
<td>12</td>
</tr>
<tr>
<td>6</td>
<td>Kupwara</td>
<td>5</td>
<td>100</td>
<td>15</td>
<td>100</td>
<td>7</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>30</td>
<td>100</td>
<td>90</td>
<td>100</td>
<td>50</td>
</tr>
</tbody>
</table>

61
### TABLE NO. 1.1.

Sex-wise and Age-wise Children Population in A.W. Centres Selected for Survey and Sample Children Selected

<table>
<thead>
<tr>
<th>S.No.</th>
<th>District</th>
<th>Total Population of Children</th>
<th>Total Children in A.W. Centres Selected 0-1 Years</th>
<th>Total Children in A.W. Centres Selected 1-3 Years</th>
<th>Total Children in A.W. Centres Selected 3-6 Years</th>
<th>Sample Size</th>
<th>Children taken as Sample 0-1 Years</th>
<th>Children taken as Sample 0-1 Years 3-6 Years</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Srinagar</td>
<td>450</td>
<td>50 F 44 T</td>
<td>80 F 78 T</td>
<td>110 F 88 T</td>
<td>36</td>
<td>6 M 4 F 10</td>
<td>6 M 4 F 10</td>
</tr>
<tr>
<td>2.</td>
<td>Budgam</td>
<td>1030</td>
<td>120 M 100 F 220 T</td>
<td>180 M 160 F 340 T</td>
<td>270 M 200 F 470 T</td>
<td>60</td>
<td>10 M 8 F 18</td>
<td>12 M 10 F 22</td>
</tr>
<tr>
<td>3.</td>
<td>Anantnag</td>
<td>1290</td>
<td>140 M 120 F 260 T</td>
<td>240 M 222 F 462 T</td>
<td>300 M 268 F 568 T</td>
<td>72</td>
<td>12 M 10 F 22</td>
<td>14 M 10 F 24</td>
</tr>
<tr>
<td>4.</td>
<td>Pulwama</td>
<td>1040</td>
<td>130 M 100 F 230 T</td>
<td>180 M 166 F 346 T</td>
<td>260 M 204 F 464 T</td>
<td>60</td>
<td>6 M 6 F 12</td>
<td>16 M 10 F 26</td>
</tr>
<tr>
<td>5.</td>
<td>Baramulla</td>
<td>1340</td>
<td>150 M 140 F 290 T</td>
<td>250 M 220 F 470 T</td>
<td>320 M 260 F 580 T</td>
<td>72</td>
<td>12 M 8 F 20</td>
<td>12 M 10 F 22</td>
</tr>
<tr>
<td>6.</td>
<td>Kupwara</td>
<td>850</td>
<td>102 M 94 F 196 T</td>
<td>160 M 136 F 296 T</td>
<td>200 M 158 F 358 T</td>
<td>60</td>
<td>8 M 6 F 14</td>
<td>10 M 10 F 20</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>6000</td>
<td><strong>692</strong> M <strong>598</strong> F <strong>1290</strong> T</td>
<td><strong>1090</strong> M <strong>982</strong> F <strong>2072</strong> T</td>
<td><strong>460</strong> M <strong>1178</strong> F <strong>2638</strong> T</td>
<td><strong>360</strong></td>
<td><strong>54</strong> M <strong>42</strong> F <strong>96</strong> T</td>
<td><strong>70</strong> M <strong>54</strong> F <strong>124</strong></td>
<td></td>
</tr>
</tbody>
</table>

62
GROUPS
1. Gojar Bakerwal
2. Kumar
3. Band
4. Sweeper
5. Makaban
6. Gourkand
7. Doemb
8. Moochi
9. Shacksaaz
10. Blacksmith
groups as declared under SRO 272 by the government of Jammu & Kashmir.

The ten socially disadvantaged groups which have been taken up for the present study are given as under:-

1. Gojjar & Bakerwal:

Areas of Nagabal, yousmurg, Beerwa of district Budgam, kangan of Srinagar and dominated areas in other 5 districts were selected for the study.

2. Doombs:

They live in mixed population and were selected from Anganwadi Centre.

3. Moochi:

This group was also found to live in mixed population in all the six districts.

4. Band:

This group was found in Wathora village of district Budgam and Akingam of district Anantnag.

5. Gourkand:

Gourkands live in mixed population so this type of population was selected from the concerned A.W.Centres.
6. **Sweeper:**

Sweepers of Sopore/Baramulla/Anantnag Town area committee and Srinagar Municipality areas were randomly selected.

7. **Shacksaz:**

Many well known areas dominated by Shacksaz were selected purely on random basis in all the six districts. For example, Shaksaz of Chari-Shareef/bandipora/Anantnag/Baramulla & Srinagar were selected.

8. **Markaban:**

Gulmarg/Pahalgam/Yousmarg and Sonamarg areas were taken to study this group of population.

9. **Kumar:**

Kumar dominated areas were randomly selected, e.g. Kumar Mahalla, Charishareef of Budgam district for study.

10 **Blacksmith:**

For the category, sample was purely selected on random basis from all the districts of Kashmir Valley.
Procedure of Data collections:

As there were no standardized tests available in the market, the researcher had to develop the tools of her own for data collection with the help of background literature of UNICEF and each tool was first sent to different experts for their expert opinion. Additions and modifications were made on the basis of expert opinion and then they were duplicated in enough quantity to administer them on subjects.

Initially a set of questionnaire-cum-interview schedule was framed to collect the following information:-

1. To assess the opinion as well as the adoption level of immunization of the children, from their mothers.

2. To assess the opinion and the adoption level of immunization of children and mothers from the concerned Anganwadi workers.

3. To assess the opinion and the adoption level of immunization from the concerned Medical Officers.

4. To assess the health check-up facilities of pregnant and lactating mothers.

5. To assess the supplementary Nutrition (SNP) programme from selected mothers and its impact on both, mothers as well as on children.

6. To assess the S.N. programme from selected Anganwadi Workers.
7. To assess the impact of pre-school education.

General information like age and Educational status of pregnant ladies and nursing mothers, immunization status of children and pregnant ladies, supply of iron Folic Acid tablets, Health check-up facilities, distribution of supplementary Nutrition was recorded. Immunization status of the children was assessed by observing scar mark of B.C.G and by interviewing the mothers regarding the receipt of various vaccines like Triple Antigen and polio Vaccine. Immunization cards of the children were also verified wherever possible. Immunization status of pregnant ladies was assessed by recording their history of having received Tetanus Toxide.

Nutritional status of the children could not be assessed in a scientific manner. It was relied on the reports of the Anganwadi centres. Anganwadi workers have reported that there was either non-availability of supplementary Nutrition (S.N) item or irregular supply of these items, no fixed date or time interval has been kept for the supply. There is also non-availability of kerosene oil and other fuel charges which are very necessary for this programme. The irregularity of supply has been seen to such an extent that in many centres, in far-flung areas, it has been seen to be received after
one year from the date of previous supply delivery. This is definitely the cause of low percentage of coverage under this item.

Nutritional and health facilities available to pregnant ladies and nursing mothers were assessed by taking a history from them. It was observed that health check-up for Antinatal and post-natal care were not available to them.

**Description of Tools**

The tools used for data collection are discussed briefly as under:-

1. **Form A:**

   Interview schedule on supplementary Nutrition (children and mothers) for general Mothers.

2. **Form B:**

   Interview schedule on supplementary Nutrition (Mothers and children) for Anganwadi Worker.

3. **Form C:**

   Interview schedule on immunization (Mother and children) for general Mothers.

4. **Form D:**

   Interview schedule on immunization (Mother and children) for Anganwadi workers.
5. **Form E:**

Interview schedule on immunization (Mother and children) for concerned Doctors.

6. **Form F:**

Interview schedule on immunization (Mother-care) for pregnant ladies and lactating mothers.

The above schedules were designed to elicit responses for main finaling as under:-

a. **General Mother responses:** *(Form A)*

In this mothers were required to give information on the Supplementary nutrition of children.

The interview schedule aimed at eliciting information on the following aspects.


2. Adoption level of immunization in children 0-6 years of age.


4. Possible effects of non-immunization.

5. Sources of information regarding immunization.

6. Living condition of respondents.
b. **Anganwadi workers response:**

1. No. of children, pregnant ladies and nursing mothers registered in the centre.

2. Difficulties faced in immunization and distribution of supplementary nutrition (S.N.)

3. Regularity of supply of S.N. by management.

4. Opinion regarding S.N. being served to children and registered mothers.

5. Adoption level of immunization in their centres.

6. Identification of post immunized diseases or disabilities.

7. Reasons for post immunizational disabilities.

8. Factors that hinder mothers in getting their children immunized.

9. No. of children referred to school.

C. **DOCTORS RESPONSE:**

1. Institutions having immunization facilities including coldchain system.

2. Arrangement of vaccination sessions in their centres.

3. Problems faced in immunizing children and Mothers.

4. Help and co-ordination from others agencies while immunizing mothers and children health services.
5. Reasons for poor response from public.

D. Pregnant ladies response:

1. Age and Educational status
2. Immunization status.
5. Problems faced in immunization.
6. Health check-up facilities available.
7. Reflection of previous bad history.
8. Availability of Supplementary Nutrition.

E. Nursing Mothers Response:

1. Age and Educational status.
2. Place of delivery and type of delivery.
3. Facilities available while delivering the child.

F. School Teachers Response:

1. Opinion regarding Anganwadi Centres as a source of enrolling the students.

Statistical treatment:

The data, thus, obtained have been put to statistical treatment. The data have been transformed
into percentages. In order to find out the significance of difference between percentages, CR was used. The details are given in chapter IV.