

Disability Analysis

By

Salah Eldin Abd Elrhman Magid

Altaf Ahamed

Zeianb Mohamed Elhassen

Idryna Becencyou

Disability Characteristics

Preface

The census provide valuable information on disability as the only available source of information in many countries. Census results provide also baseline data and may be useful and can be utilized for estimating prevalence of disability and the prevalence of various types of disability.

In 1980, the world Health organization(*WHO*) issued the International Classification of Impairments Disabilities, and Handicaps (*ICIDH*) which promotes a common frame-work and definitions of disability-related issues used to refer to people with disability with more precise objective and internationally recognized terminology.

The *ICIDH* distinguishes three dimensions of people with disability :-

Impairment concerns any loss or deviation of physiological , neurological or anatomical structure or function of an organ or body part (organ and body dimension).

Disability reflects any limitation or lack of ability that a person experiences in performing an activity in the manner or within the range considered normal for a person, in other words, a limitation in learning speaking , walking or some other activity(individual dimension) .

Handicap concerns constraints on the relationship between the person with disability and the social and physical environment , for example , in the areas of education, occupation, information or communication (social dimension).

Owing to the limited space available in a census , the focus should be on only one of the three *ICIDH* dimension with other dimensions left to a household survey . The use of a disability –oriented question is recommended for the following reasons.

- a) In an impairment approach ,interest is focused at the organ or body level and often requires knowledge of specific medical details .
- b) Disability question recognize moderate limitation in activities. In addition , the disability approach focuses on person's experiences in participating in daily live activities . This approach is more relevant for persons with disabilities.
- c) Handicap examines the relationship between a person with disability and social and physical environment within which she or he lives. with respect to other social and economic characteristics such as educational attainment , school attendance, and employment.

Definition

A person with disability defined as a person who is limited in the kind or amount of activities that he or she can do because of ongoing difficulties due to long-term (physical condition, mental condition or health problem).Short-term disabilities due to temporary conditions such as broken legs and illness are excluded

In the following section we present a brief review of the result obtained from final tabulations.

The 2008 census estimated 1,854,985 disabled persons which approximately 5 percent in all Sudan 1,463,034 of them in northern states, and 391,951 in southern states with (968,086) males and (886,899) females in all Sudan

As in the past census two questionnaires were utilized in Sudan, short and long forms, the information on disability were asked in a long questionnaire and the question related to disability asked to each person who lives in the household.

The question used to identify persons with disability in 2008 census listed broad categories and types of disabilities based on the ICIDH so that each person can check them :-

1. Limited use of leg (s)
2. Loss of leg (s)
3. Limited use of arm (s)
4. Loss of arm (s)
5. Difficulty in hearing (even with hearing aid ,if used).
6. Deaf
7. Difficulty in seeing (even with glasses ,if worn)..
8. Blind
9. Difficulty in speaking
10. Mute
11. Mental disability
12. No disability
13. Don't know

In order to distinguish people without disabilities from people who do not answer the question, the categories no disability , don't know were included. The list covers all of the main aspects of the functional limitations in daily life, if a person indicates having one or more of the disabilities reported in the list, he or she is then identified as having a disability.

The data obtained by the census are sensitive to the type of question and the wording used to assess the disability status of the population. The question was worded in clear and simple language to help respondents to understand whether they should identify themselves as having a disability or not .

This report is based on the 14 tables obtained from the final tabulation derived from the fifth population census carried out on April 2008 .It consists of the following tables concerning disability characteristics :-

1. Population with and without disability by age group, sex , and mode of living
2. Number of disabled persons by type of disability, sex age group, and mode of living.
3. Disabled population by type of disability educational level and sex.
4. Economically active and non –active among disabled population by age group, sex and type of disability.
5. Disabled population in age group 6-24 attending school/college by type of disability, and sex.
6. Disabled economically non –active population by type of disability.
7. Disabled population 6 years and over by type of disability, mode of living , school attending , and sex.

Sex and Urban/Rural Differentials

Table (10.1)
Sudan , North and South: Total Population , Total Disabled , and Disability Rate by Sex

| Region | Both sexes | | | Male | | | Female | | |
|-----------------|------------------------|----------------------|-----------------|------------------------|----------------------|-----------------|------------------------|----------------------|-----------------|
| | Total population (000) | Total Disabled (000) | Disability Rate | Total population (000) | Total Disabled (000) | Disability Rate | Total population (000) | Total Disabled (000) | Disability Rate |
| All Sudan | 38205 | 1855 | 4.9 | 19322 | 968 | 5.0 | 18883 | 887 | 4.7 |
| Northern States | 30504 | 1463 | 4.8 | 15413 | 767 | 5.0 | 15090 | 695 | 4.6 |
| Southern States | 7700 | 391 | 5.1 | 3908 | 200 | 5.1 | 3792 | 190 | 5.0 |

Fig (10.1)

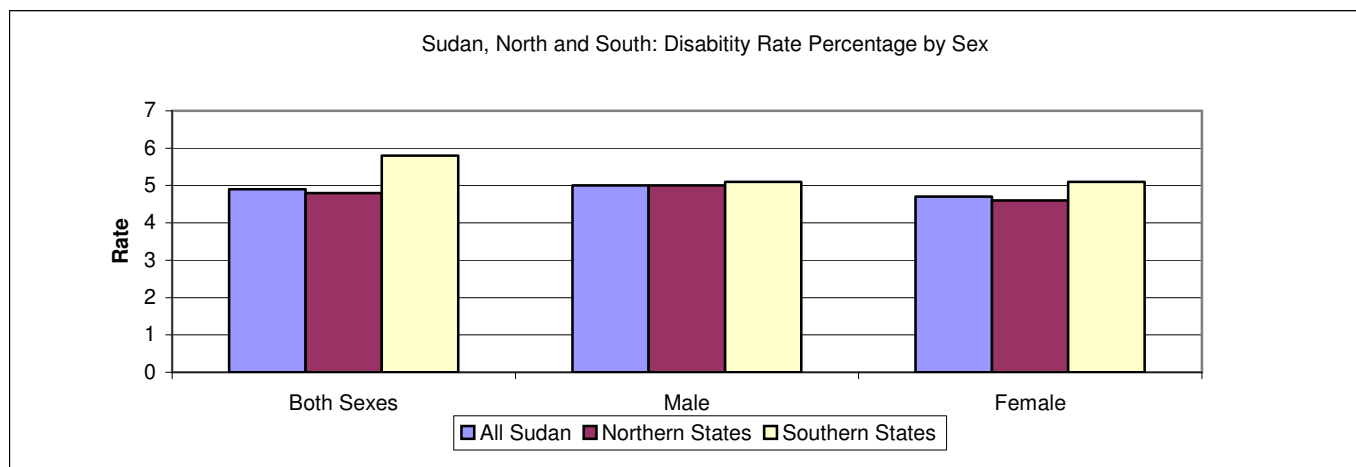


Table (10.1) Shows total population , total disabled and the disability rates, in Sudan , Northern and Southern states it works out (4.9%) for both sexes (5.0%), for males and(4.7%) for females for total Sudan, the rates for the northern states were (4.8),(4.9) and (4.6) Percent for both sexes ,males ,and females, and for the southern states the rates were(5.1), (5.1),(5.0) percent respectively, see Fig (1)

Table (10.2)
Sudan (North and South: Total Population (Total Disabled (and Disability Rate by Mode of living

| | Urban | | | Rural | | | Nomad | | |
|-----------------|------------------------|----------------------|-----------------|------------------------|----------------------|-----------------|------------------------|----------------------|-----------------|
| | Total population (000) | Total Disabled (000) | Disability Rate | Total population (000) | Total Disabled (000) | Disability Rate | Total population (000) | Total Disabled (000) | Disability Rate |
| All Sudan | 11388 | 488 | 4.3 | 24037 | 1236 | 5.1 | 2778 | 129 | 4.6 |
| Northern States | 10038 | 428 | 4.3 | 17686 | 904 | 5.1 | 2778 | 129 | 4.6 |
| Southern States | 1349 | 60 | 4.5 | 6350 | 331 | 5.2 | 0 | 0 | 0 |

Fig (10.2)

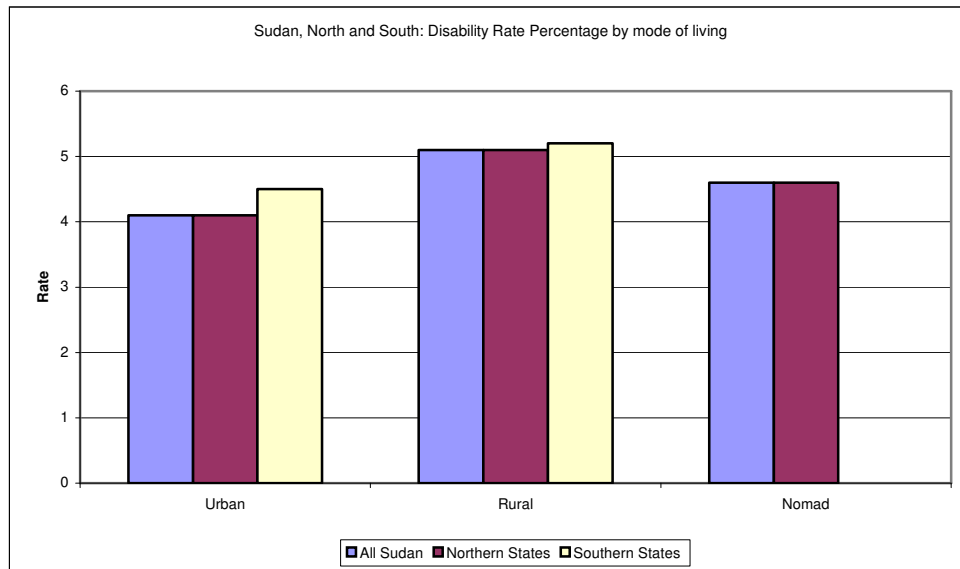


Table (10.2) Shows the disability rates in Sudan, northern, and southern states according to the mode of living they were (4.3), (5.1), (4.6) percent, for all Sudan (4.3), (5.1), (4.6) percent for northern states (4.5),(5.2), (00) percent for southern states for urban , rural and nomad areas respectively, see Figure 2.

Table (10.3)
Percentages Distribution of Disabled in Private Household by Sex and Mode of Living , Sudan , North and South

| State | Total | | | Urban | | | Rural | | | Nomad | | |
|-----------|-----------|------|--------|-----------|------|--------|-----------|------|--------|-----------|------|--------|
| | Both Sexs | Male | Female | Both Sexs | Male | Female | Both Sexs | Male | Female | Both Sexs | Male | Female |
| All Sudan | 100 | 52.2 | 47.8 | 100 | 53.3 | 46.7 | 100 | 51.2 | 48.8 | 100 | 57.0 | 43.0 |
| Northern | 100 | 52.4 | 47.6 | 100 | 53.5 | 46.5 | 100 | 51.3 | 48.7 | 100 | 57.0 | 43.0 |
| Southern | 100 | 51.3 | 48.7 | 100 | 52.2 | 47.8 | 100 | 51.0 | 48.9 | 100 | NA | NA |

Fig (10. 3)

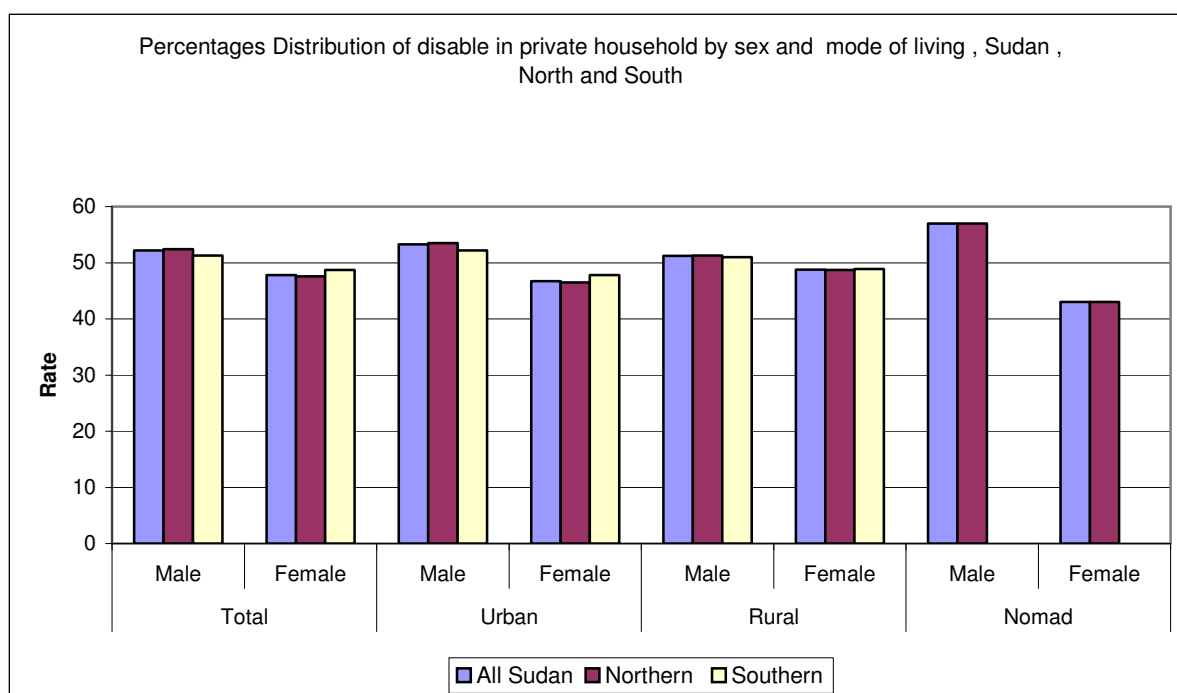


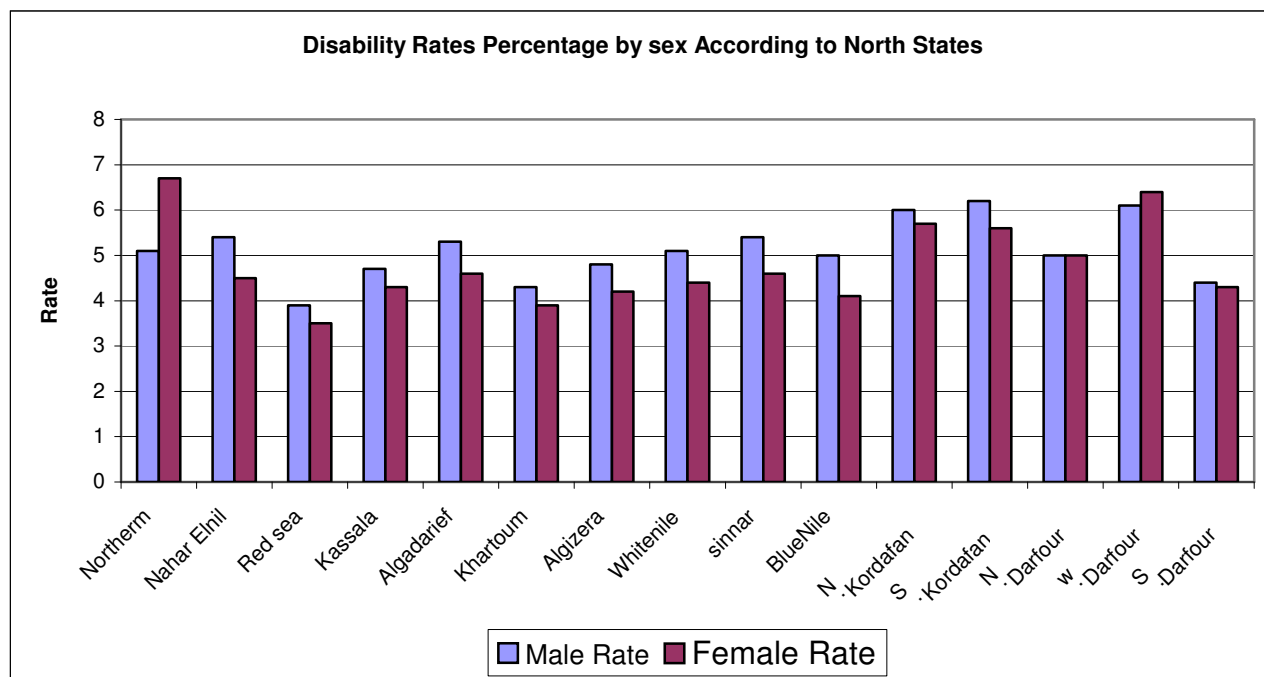
Table (10.3) Shows the percentages distribution of disability in all Sudan , north and south states, by sex and mode of living. The percentage refelect the disability among males is higher than females,and it is exceeding fifty percent in all areas see Figure 3.

Table (10.4)

Total Population , Total Disabled and Disability Rates in Northern States by Sex .

| | Total Population | Total Disability | Box Sexes Rate | Male Rate | Female Rate |
|-----------------------|-----------------------------|-----------------------------|---------------------------|----------------------|------------------------|
| All Sudan | 38204985 | 1854985 | 4.9 | 5.0 | 4.7 |
| Northern state | 30504160 | 1463034 | 4.8 | 5.0 | 4.6 |
| Northern | 686098 | 46880 | 6.8 | 5.1 | 6.7 |
| Nahar Elnil | 1097356 | 54327 | 5.0 | 5.4 | 4.5 |
| Red sea | 1368330 | 50998 | 3.7 | 3.9 | 3.5 |
| Kassala | 1769887 | 80479 | 4.5 | 4.7 | 4.3 |
| Algardarief | 1334947 | 65771 | 4.9 | 5.3 | 4.6 |
| Khartoum | 5181186 | 211230 | 4.1 | 4.3 | 3.9 |
| Algizera | 3549026 | 159258 | 4.5 | 4.8 | 4.2 |
| Whitenile | 1713360 | 80795 | 4.7 | 5.1 | 4.4 |
| Sinnar | 1272766 | 63293 | 5.0 | 5.4 | 4.6 |
| BlueNile | 816048 | 37154 | 4.6 | 5.0 | 4.1 |
| N. Kordafan | 2888969 | 169462 | 5.9 | 6.0 | 5.7 |
| S . Kordafan | 1389076 | 81522 | 5.9 | 6.1 | 5.6 |
| N. Darfour | 2089801 | 104254 | 5.0 | 5.0 | 5.0 |
| w. Darfour | 1292714 | 80767 | 6.2 | 6.1 | 6.4 |
| S .Darfour | 4054603 | 176844 | 4.4 | 4.4 | 4.3 |

Figure (10.4)



Cont Table (10. 4A)

| | Total Population | Total Disability | Bos Sexes Rate | Male Rate | Famal Rate |
|-----------------------|-------------------------|-------------------------|-----------------------|------------------|-------------------|
| Southern state | 7700794 | 391951 | 5.1 | 5.1 | 50.1 |
| Upper Nil | 904203 | 56575 | 6.3 | 6.0 | 6.5 |
| Jonglei | 1305168 | 51707 | 4.0 | 3.9 | 4.0 |
| Unity | 522487 | 26672 | 5.1 | 5.2 | 5.0 |
| Warrap | 928088 | 34797 | 3.8 | 3.8 | 3.7 |
| N Bahr Elgazal | 685302 | 38067 | 5.6 | 5.7 | 5.4 |
| W . Bahr Elgazal | 293481 | 13802 | 4.7 | 5.1 | 4.3 |
| Lakes | 588448 | 18424 | 3.1 | 3.3 | 3.0 |
| W . Equatoria | 583001 | 46980 | 8.1 | 8.5 | 7.6 |
| C . Equatoria | 1026446 | 68725 | 6.7 | 6.7 | 6.7 |
| E . Equatoria | 864171 | 36201 | 4.2 | 4.2 | 4.1 |

Figure (10.4A)

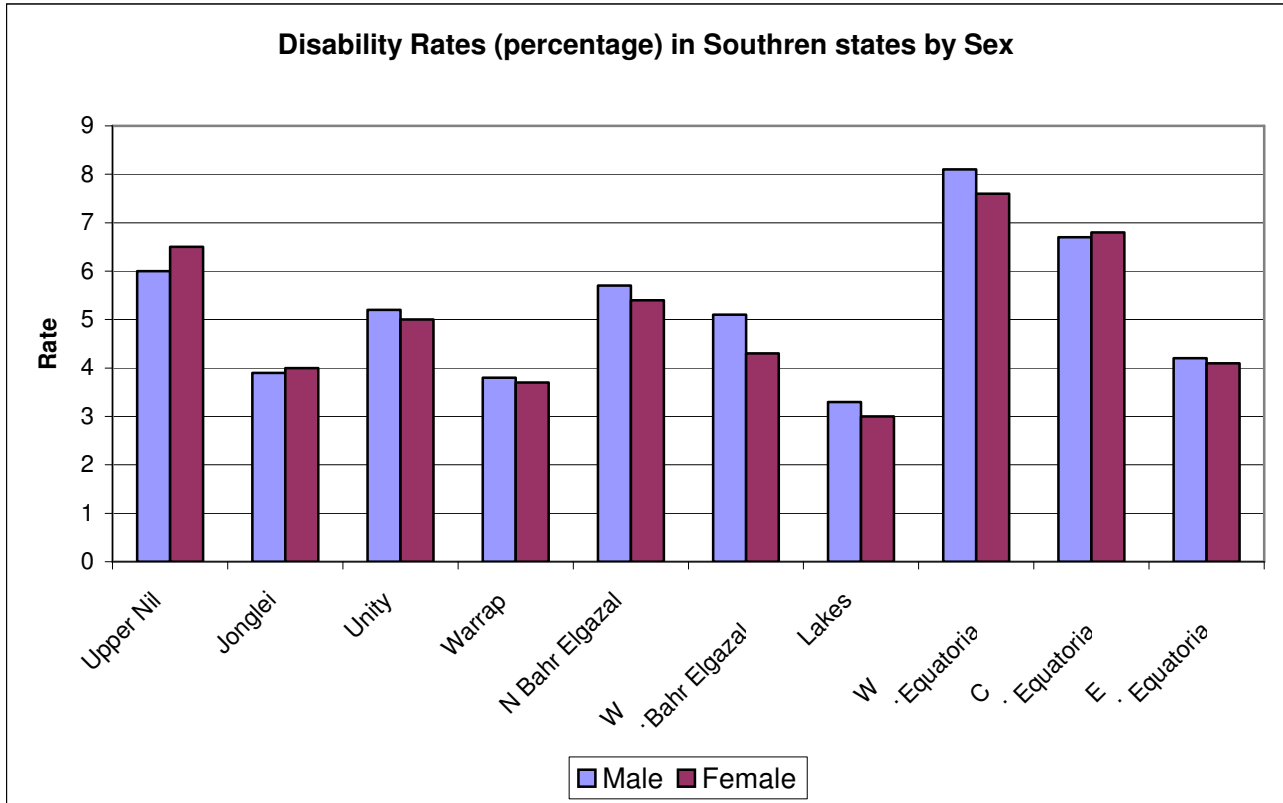


Table (10.4) Shows The disability rates according to states by sexes . It shows that the disability rate is higher for the males than females ,this true in all states except W .Darfour , Upper Nile, Jongoli, and Warrap states.

So we can observe that the disability rates for males are greater than females .

The highest disability rate registered among the states was (8.1%) in W.equatoria , (6.8%) in Northern state , and (6.7%) in C. equatorial state and the lowest rate (3.7%) observed in Lake state, (3.7%) in Red sea state, and (3.8%) in Warrap state.

Type of disability and age, see Figure 4.

Table (10.5)

Total Disabled and Disability Percentges by Type Disability Age Group and Mode of Living Sudan.

| ALL Disability | Total | % | 0 - 4 | 5- 14 | 15 - 24 | 25 - 34 | 35 - 44 | 45 - 54 | 55 - 64 | 65 - 74 | 75 and Above |
|------------------------|----------------|--------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| All Sudan | | | | | | | | | | | |
| With Disability | 1854985 | 100.0 | 6.0 | 14.9 | 12.9 | 11.1 | 11.8 | 11.6 | 10.7 | 10.8 | 10.3 |
| Limited use of leg(s) | 336517 | 18.1 | 6.8 | 15.0 | 13.9 | 12.6 | 12.0 | 11.0 | 9.4 | 9.5 | 9.9 |
| Loss of leg(s) | 61476 | 3.3 | 4.1 | 13.1 | 13.1 | 12.8 | 15.5 | 14.2 | 10.6 | 9.6 | 7.0 |
| Limited use of arm(s) | 105989 | 5.7 | 5.6 | 17.4 | 15.1 | 14.7 | 14.1 | 12.0 | 8.4 | 7.0 | 5.6 |
| Loss of arms | 25848 | 1.4 | 6.8 | 20.3 | 15.9 | 13.5 | 13.3 | 11.2 | 7.8 | 5.6 | 5.6 |
| Diffeculty in Hearing | 244462 | 13.2 | 2.1 | 12.0 | 9.1 | 8.6 | 10.3 | 11.5 | 12.9 | 15.1 | 18.4 |
| Deaf | 63034 | 3.4 | 4.8 | 21.6 | 19.3 | 13.4 | 11.0 | 8.7 | 7.0 | 6.6 | 7.6 |
| Diffeculty in seeing | 583715 | 31.5 | 1.2 | 5.2 | 5.7 | 5.6 | 10.5 | 15.1 | 17.3 | 19.8 | 19.5 |
| Blind | 92468 | 5.0 | 2.5 | 7.3 | 6.5 | 5.9 | 7.8 | 11.7 | 15.6 | 18.3 | 24.5 |
| Diffeculty in speaking | 73328 | 4.0 | 13.2 | 24.5 | 15.3 | 11.4 | 9.7 | 7.3 | 5.8 | 6.0 | 6.8 |
| Mute | 43825 | 2.4 | 10.7 | 31.5 | 21.4 | 12.8 | 10.2 | 5.9 | 3.5 | 2.1 | 1.9 |
| Mental Difficulty | 448451 | 24.2 | 12.1 | 23.7 | 19.9 | 16.1 | 12.4 | 7.4 | 4.0 | 2.6 | 1.8 |
| Urban | | | | | | | | | | | |
| With Disability | 488695 | 100.0 | 5.7 | 13.5 | 14.4 | 12.4 | 12.6 | 12.0 | 10.4 | 10.2 | 8.8 |
| Limited use of leg(s) | 90015 | 18.4 | 6.8 | 14.2 | 14.5 | 13.7 | 12.7 | 10.6 | 9.3 | 9.0 | 9.2 |
| Loss of leg(s) | 19223 | 3.9 | 2.2 | 8.2 | 12.0 | 13.6 | 16.8 | 15.4 | 11.3 | 12.6 | 7.8 |
| Limited use of arm(s) | 19454 | 4.0 | 4.6 | 13.2 | 15.5 | 14.2 | 14.8 | 13.1 | 9.9 | 8.4 | 6.3 |
| Loss of arms | 4889 | 1.0 | 6.0 | 16.9 | 14.0 | 14.5 | 14.2 | 13.1 | 8.0 | 5.7 | 7.7 |
| Diffeculty in Hearing | 53075 | 10.9 | 2.1 | 10.6 | 11.7 | 9.4 | 10.9 | 11.2 | 12.3 | 14.2 | 17.6 |
| Deaf | 12346 | 2.5 | 4.2 | 17.8 | 21.3 | 16.7 | 11.3 | 8.4 | 7.1 | 6.1 | 7.1 |
| Diffeculty in seeing | 156394 | 32.0 | 1.1 | 5.5 | 8.4 | 6.3 | 11.6 | 16.5 | 16.9 | 18.2 | 15.6 |
| Blind | 19461 | 4.0 | 2.6 | 8.3 | 5.6 | 6.4 | 9.0 | 12.7 | 14.8 | 18.9 | 21.9 |
| Diffeculty in speaking | 15294 | 3.1 | 11.4 | 24.5 | 17.1 | 11.6 | 9.5 | 6.3 | 6.1 | 7.5 | 6.0 |
| Mute | 9647 | 2.0 | 12.2 | 29.1 | 21.7 | 15.5 | 10.7 | 5.7 | 1.8 | 1.5 | 1.7 |
| Mental Difficulty | 136021 | 27.8 | 11.3 | 20.7 | 20.7 | 18.2 | 13.1 | 7.8 | 4.1 | 2.4 | 1.7 |

Table (10.5) Throws the light at the percentages distributions of disabled persons by type of disability and age group. It shows that the type difficulty in seeing recorded highest percentages (31.5)%, and mental difficulties recorded second (24.2)%, then limited use of leg (18.1) and (13.2), for difficulty in speaking. From the total of disabled persons compared with lowest percentages (1.4)% for loss of arm (2.4)% for mute, (3.3)% loss of leg, and (3.4)% for deaf.

This is the same and applicable for urban, rural and nomad areas with small difference in percentages. According to the age groups the rate among age group (5-14) is the highest rate 14.9%, 12.9 % for age group (15-24), and 11.8% for age group (35-44) and the lowest recorded in age group (0-4) 6%. in all Sudan with small variations between age groups in highest percentages and the same age groups in the lowest percentages.

Table (10.6)

Disability Rate by Type of Disability According to States, and Mode of Living

| Type of Disability | Noth | Nahr Elnil | Rad Sea | Kassala | Algdareif | Khartoum | Algezire | Whit Nile | Sinnar |
|------------------------|-------|------------|---------|---------|-----------|----------|----------|-----------|--------|
| All Sudan | | | | | | | | | |
| With Disability | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Limited use of leg(s) | 20.6 | 19.7 | 12.8 | 4.0 | 17.4 | 19.5 | 17.0 | 17.7 | 15.6 |
| Loss of leg(s) | 1.2 | 2.6 | 3.8 | 4.3 | 3.0 | 4.1 | 2.9 | 2.6 | 2.0 |
| Limited use of arm(s) | 3.6 | 4.6 | 2.0 | 3.0 | 3.8 | 3.6 | 3.5 | 3.5 | 3.7 |
| Loss of arms | 0.6 | 0.7 | 0.8 | 1.2 | 0.8 | 0.9 | 1.8 | 1.5 | 1.0 |
| Difficulty in Hearing | 16.4 | 13.5 | 12.7 | 11.9 | 13.9 | 10.7 | 12.4 | 13.0 | 14.5 |
| Deaf | 1.6 | 3.4 | 3.4 | 4.6 | 2.5 | 2.3 | 3.4 | 2.7 | 3.3 |
| Difficulty in seeing | 45.6 | 34.7 | 31.8 | 29.1 | 35.6 | 31.7 | 29.4 | 36.5 | 35.2 |
| Blind | 2.6 | 3.7 | 5.4 | 4.8 | 4.1 | 2.7 | 4.3 | 4.6 | 3.2 |
| Difficulty in speaking | 4.0 | 4.2 | 4.5 | 4.0 | 2.5 | 3.2 | 3.7 | 3.3 | 2.9 |
| Mute | 2.2 | 2.8 | 3.7 | 4.3 | 2.0 | 1.8 | 2.1 | 2.1 | 1.9 |
| Mental Difficulty | 18.0 | 24.7 | 27.4 | 36.5 | 26.7 | 29.1 | 29.9 | 23.2 | 27.1 |
| Urban | | | | | | | | | |
| With Disability | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Limited use of leg(s) | 22.1 | 16.9 | 14.1 | 3.9 | 20.0 | 19.9 | 17.7 | 18.9 | 16.1 |
| Loss of leg(s) | 1.4 | 2.9 | 3.3 | 4.8 | 4.2 | 4.5 | 2.8 | 3.3 | 2.5 |
| Limited use of arm(s) | 3.1 | 4.5 | 2.1 | 3.6 | 3.0 | 3.4 | 3.6 | 3.0 | 3.4 |
| Loss of arms | 0.2 | 0.5 | 0.7 | 0.9 | 0.4 | 0.9 | 0.9 | 0.6 | 1.0 |
| Difficulty in Hearing | 16.4 | 11.0 | 10.8 | 9.0 | 11.8 | 10.0 | 10.9 | 10.5 | 13.0 |
| Deaf | 1.4 | 2.8 | 2.8 | 3.1 | 1.9 | 2.1 | 2.5 | 2.1 | 2.6 |
| Difficulty in seeing | 48.9 | 37.1 | 34.6 | 29.9 | 32.8 | 31.5 | 33.4 | 30.9 | 37.7 |
| Blind | 3.3 | 3.3 | 3.8 | 5.2 | 4.4 | 2.6 | 3.0 | 3.5 | 2.0 |
| Difficulty in speaking | 5.6 | 4.3 | 2.7 | 4.4 | 1.9 | 3.1 | 2.4 | 3.5 | 4.1 |
| Mute | 3.0 | 2.9 | 2.4 | 3.4 | 2.0 | 1.7 | 2.3 | 1.7 | 1.8 |
| Mental Difficulty | 8.3 | 23.7 | 32.4 | 38.9 | 27.5 | 29.3 | 30.3 | 29.9 | 28.1 |

Cont Table (10.6A)

| Type of Disability | Northern | Nahr Elnil | Red Sea | Kassala | Algdareif | Khartoum | Gazira | Whit Nile | Sinnar |
|------------------------|----------|------------|---------|---------|-----------|----------|--------|-----------|--------|
| Rural | | | | | | | | | |
| With Disability | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Limited use of leg(s) | 20.5 | 20.9 | 13.6 | 3.4 | 16.4 | 17.8 | 16.9 | 17.4 | 15.6 |
| Loss of leg(s) | 1.2 | 2.5 | 4.8 | 3.8 | 2.6 | 2.0 | 2.9 | 2.3 | 1.9 |
| Limited use of arm(s) | 3.7 | 4.7 | 2.3 | 2.9 | 4.2 | 4.2 | 3.5 | 3.6 | 3.9 |
| Loss of arms | 0.6 | 0.8 | 0.7 | 1.0 | 0.9 | 0.7 | 1.9 | 1.9 | 0.9 |
| Difficulty in Hearing | 16.3 | 14.4 | 13.7 | 12.6 | 14.7 | 13.6 | 12.7 | 13.9 | 14.9 |
| Deaf | 1.6 | 3.6 | 4.0 | 4.8 | 2.8 | 3.3 | 3.6 | 3.0 | 3.5 |
| Difficulty in seeing | 45.2 | 33.8 | 30.2 | 30.5 | 36.7 | 32.6 | 28.6 | 38.8 | 34.6 |
| Blind | 2.5 | 3.8 | 6.3 | 4.5 | 4.0 | 3.2 | 4.5 | 5.0 | 3.4 |
| Difficulty in speaking | 3.8 | 4.1 | 5.5 | 3.4 | 2.8 | 3.9 | 4.0 | 3.3 | 2.5 |
| Mute | 2.1 | 2.6 | 4.7 | 4.2 | 1.9 | 2.3 | 2.1 | 2.3 | 1.9 |
| Mental Difficulty | 19.2 | 25.1 | 21.9 | 37.5 | 26.2 | 28.5 | 29.8 | 20.2 | 26.7 |
| Nomads | | | | | | | | | |
| With Disability | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 0.0 | 100.0 | 100.0 | 100.0 |
| Limited use of leg(s) | 11.7 | 15.0 | 9.1 | 7.9 | 14.4 | 0.0 | 14.6 | 13.9 | 8.2 |
| Loss of leg(s) | 1.0 | 1.4 | 3.1 | 6.0 | 3.2 | 0.0 | 8.3 | 2.0 | 2.1 |
| Limited use of arm(s) | 1.9 | 4.4 | 1.6 | 2.2 | 1.7 | 0.0 | 4.6 | 3.9 | 2.1 |
| Loss of arms | 1.3 | 0.5 | 1.3 | 2.5 | 0.8 | 0.0 | 0.0 | 1.7 | 1.6 |
| Difficulty in Hearing | 21.0 | 12.4 | 15.2 | 14.4 | 13.4 | 0.0 | 10.9 | 16.9 | 11.1 |
| Deaf | 2.1 | 6.7 | 3.8 | 6.7 | 3.4 | 0.0 | 3.2 | 3.0 | 5.5 |
| Difficulty in seeing | 44.3 | 34.7 | 28.6 | 19.6 | 32.6 | 0.0 | 31.9 | 39.9 | 31.1 |
| Blind | 6.4 | 5.3 | 7.3 | 6.0 | 1.5 | 0.0 | 0.0 | 5.0 | 5.4 |
| Difficulty in speaking | 2.4 | 3.6 | 6.4 | 7.0 | 2.9 | 0.0 | 4.6 | 4.0 | 4.0 |
| Mute | 1.3 | 5.7 | 4.8 | 6.5 | 2.2 | 0.0 | 0.0 | 1.6 | 4.5 |
| Mental Difficulty | 18.3 | 21.0 | 26.1 | 26.0 | 37.2 | 0.0 | 31.0 | 25.8 | 29.9 |

Cont Table (10.6B)

| Type of Disability | Blue Nile | N- Kordofan | S- Kordofan | N- darfur | W- darfur | S- darfur |
|---------------------------|------------------|--------------------|--------------------|------------------|------------------|------------------|
| All Sudan | | | | | | |
| With Disability | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Limited use of leg(s) | 18.3 | 16.9 | 20.1 | 16.5 | 18.6 | 16.1 |
| Loss of leg(s) | 2.8 | 2.5 | 2.6 | 3.2 | 4.0 | 3.1 |
| Limited use of arm(s) | 5.6 | 5.5 | 6.9 | 4.8 | 6.4 | 4.6 |
| Loss of arms | 2.2 | 1.0 | 1.7 | 1.2 | 1.9 | 1.3 |
| Difficulty in Hearing | 15.5 | 19.2 | 15.7 | 12.4 | 11.8 | 12.9 |
| Deaf | 1.8 | 3.4 | 2.6 | 4.2 | 3.7 | 4.9 |
| Difficulty in seeing | 35.8 | 39.2 | 36.4 | 26.9 | 25.9 | 29.4 |
| Blind | 3.7 | 3.9 | 3.2 | 4.9 | 4.1 | 5.0 |
| Difficulty in speaking | 2.5 | 5.1 | 3.1 | 3.8 | 3.4 | 4.5 |
| Mute | 1.2 | 2.2 | 1.6 | 3.2 | 1.9 | 2.3 |
| Mental Difficulty | 20.5 | 18.7 | 21.5 | 28.3 | 27.7 | 25.1 |
| Urban | | | | | | |
| With Disability | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Limited use of leg(s) | 20.0 | 16.4 | 20.0 | 19.0 | 20.2 | 19.7 |
| Loss of leg(s) | 4.4 | 2.4 | 1.9 | 2.1 | 4.0 | 4.1 |
| Limited use of arm(s) | 5.1 | 4.1 | 5.9 | 4.5 | 6.0 | 4.9 |
| Loss of arms | 6.9 | 0.6 | 0.6 | 0.9 | 2.0 | 0.9 |
| Difficulty in Hearing | 12.7 | 14.4 | 13.8 | 9.2 | 10.5 | 12.6 |
| Deaf | 2.2 | 2.6 | 2.0 | 5.1 | 2.8 | 3.8 |
| Difficulty in seeing | 25.2 | 36.7 | 36.3 | 25.3 | 26.3 | 34.0 |
| Blind | 4.8 | 3.8 | 2.3 | 3.6 | 3.1 | 5.4 |
| Difficulty in speaking | 2.1 | 2.4 | 3.6 | 2.3 | 4.1 | 3.2 |
| Mute | 1.7 | 1.7 | 1.1 | 1.1 | 1.1 | 1.8 |
| Mental Difficulty | 22.3 | 27.4 | 27.2 | 31.6 | 30.6 | 21.2 |

Cont Table (10. 6C)

| Type of Disability | Blue Nile | N- Kordofan | S- Kordofan | N- darfur | W- darfur | S- darfur |
|---------------------------|------------------|--------------------|--------------------|------------------|------------------|------------------|
| Rural | | | | | | |
| With Disability | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Limited use of leg(s) | 17.8 | 17.7 | 20.7 | 17.5 | 19.2 | 17.7 |
| Loss of leg(s) | 2.3 | 2.4 | 2.8 | 3.6 | 4.0 | 3.1 |
| Limited use of arm(s) | 5.8 | 6.2 | 7.4 | 5.3 | 6.8 | 5.1 |
| Loss of arms | 0.8 | 1.1 | 2.1 | 1.2 | 1.7 | 1.3 |
| Difficulty in Hearing | 16.6 | 20.6 | 17.1 | 12.5 | 12.4 | 13.4 |
| Deaf | 1.6 | 3.5 | 2.8 | 3.7 | 3.8 | 4.5 |
| Difficulty in seeing | 39.0 | 40.4 | 37.2 | 28.6 | 25.8 | 29.3 |
| Blind | 3.4 | 3.6 | 3.6 | 5.2 | 4.2 | 4.6 |
| Difficulty in speaking | 2.7 | 5.8 | 3.0 | 3.6 | 3.6 | 3.8 |
| Mute | 1.0 | 2.2 | 1.9 | 3.5 | 2.2 | 1.7 |
| Mental Difficulty | 19.4 | 16.1 | 18.3 | 27.1 | 26.0 | 25.9 |
| Nomads | | | | | | |
| With Disability | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Limited use of leg(s) | 16.9 | 12.6 | 16.4 | 11.5 | 15.2 | 8.7 |
| Loss of leg(s) | 2.1 | 2.6 | 3.3 | 2.7 | 4.3 | 2.5 |
| Limited use of arm(s) | 4.0 | 3.1 | 6.9 | 3.5 | 5.3 | 3.1 |
| Loss of arms | 1.2 | 1.3 | 1.6 | 1.8 | 2.4 | 1.8 |
| Difficulty in Hearing | 9.7 | 17.5 | 11.8 | 14.1 | 10.2 | 12.0 |
| Deaf | 1.8 | 4.3 | 2.8 | 5.8 | 4.2 | 6.7 |
| Difficulty in seeing | 35.8 | 35.1 | 31.7 | 22.1 | 25.9 | 25.4 |
| Blind | 2.7 | 6.2 | 3.0 | 4.7 | 4.4 | 5.7 |
| Difficulty in speaking | 2.9 | 4.1 | 3.0 | 5.5 | 2.5 | 7.4 |
| Mute | 0.7 | 3.2 | 1.8 | 3.5 | 1.6 | 4.1 |
| Mental Difficulty | 29.5 | 22.4 | 27.2 | 30.3 | 31.7 | 26.4 |

Cont Table (10.6D)

| State | Upper Nile | Jonglei | Unity | Warrap | N-Bahr Elgazal | W-Bahr Elgazal | Lakes | W-Equatoria | Central Equatoria | E-Equatoria |
|------------------------|--------------|--------------|--------------|--------------|----------------|----------------|--------------|--------------|-------------------|--------------|
| All Sudan | | | | | | | | | | |
| With Disability | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Limited use of leg(s) | 32.3 | 12.1 | 13.3 | 16.6 | 21.1 | 15.5 | 20.3 | 20.8 | 29.1 | 33.9 |
| Loss of leg(s) | 3.1 | 4.8 | 7.3 | 4.0 | 2.9 | 6.7 | 6.1 | 3.4 | 3.4 | 4.0 |
| Limited use of arm(s) | 23.1 | 4.8 | 4.7 | 6.1 | 10.0 | 5.4 | 7.1 | 6.4 | 9.6 | 21.2 |
| Loss of arms | 1.4 | 3.0 | 2.8 | 2.2 | 1.6 | 2.0 | 2.6 | 1.4 | 1.6 | 2.2 |
| Difficulty in Hearing | 9.3 | 10.9 | 7.7 | 12.8 | 12.4 | 10.0 | 9.0 | 13.8 | 14.2 | 12.5 |
| Deaf | 2.7 | 5.7 | 2.6 | 4.7 | 2.8 | 2.4 | 3.6 | 3.8 | 2.5 | 4.3 |
| Difficulty in seeing | 26.2 | 28.1 | 26.8 | 21.0 | 28.3 | 26.1 | 23.1 | 27.1 | 31.6 | 21.1 |
| Blind | 7.7 | 13.0 | 8.5 | 12.5 | 9.1 | 9.8 | 15.4 | 8.0 | 3.2 | 6.8 |
| Difficulty in speaking | 2.3 | 4.6 | 4.7 | 5.4 | 5.6 | 3.7 | 4.1 | 5.9 | 4.7 | 4.7 |
| Mute | 1.7 | 3.4 | 3.5 | 3.2 | 4.4 | 1.6 | 2.6 | 2.2 | 1.9 | 1.9 |
| Mental Difficulty | 15.6 | 15.6 | 24.8 | 18.8 | 16.5 | 28.2 | 11.3 | 21.1 | 16.8 | 10.8 |
| Urban | | | | | | | | | | |
| With Disability | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Limited use of leg(s) | 13.0 | 9.3 | 13.8 | 22.8 | 15.9 | 22.6 | 16.4 | 21.5 | 31.2 | 30.0 |
| Loss of leg(s) | 3.7 | 7.5 | 2.4 | 4.8 | 1.0 | 8.6 | 6.1 | 5.3 | 4.6 | 9.7 |
| Limited use of arm(s) | 4.0 | 2.8 | 3.4 | 7.3 | 7.1 | 5.6 | 12.6 | 9.4 | 7.7 | 2.8 |
| Loss of arms | 1.1 | 1.7 | 0.9 | 1.7 | 2.1 | 1.1 | 3.4 | 1.9 | 1.5 | 0.7 |
| Difficulty in Hearing | 8.6 | 5.8 | 11.5 | 9.8 | 7.6 | 9.6 | 10.9 | 11.0 | 10.9 | 10.6 |
| Deaf | 2.1 | 3.8 | 1.5 | 2.3 | 4.4 | 1.7 | 3.8 | 1.6 | 3.4 | 1.4 |
| Difficulty in seeing | 30.4 | 25.9 | 38.6 | 24.5 | 22.9 | 24.8 | 11.2 | 30.7 | 24.8 | 19.5 |
| Blind | 6.4 | 19.4 | 12.7 | 4.4 | 4.4 | 12.7 | 10.4 | 7.4 | 4.3 | 6.5 |
| Difficulty in speaking | 1.9 | 3.9 | 3.7 | 2.7 | 3.8 | 4.5 | 0.0 | 4.2 | 3.9 | 1.5 |
| Mute | 2.1 | 6.9 | 2.8 | 2.6 | 0.9 | 1.9 | 3.2 | 2.5 | 1.8 | 2.2 |
| Mental Difficulty | 32.7 | 18.9 | 13.1 | 21.8 | 38.4 | 22.9 | 32.2 | 17.3 | 18.0 | 22.7 |

Cont Table (10. 6E)

| State | Upper Nile | Jonglei | Unity | Warrap | N. Bahr Elgazal | W. Bahr Elgazal | Lakes | W. Equatoria | Central Equatoria | E. Equatoria |
|------------------------|--------------|--------------|--------------|--------------|-----------------|-----------------|--------------|--------------|-------------------|--------------|
| Rural | | | | | | | | | | |
| With Disability | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Limited use of leg(s) | 39.6 | 12.8 | 13.2 | 15.9 | 21.4 | 11.7 | 20.4 | 20.7 | 28.6 | 34.2 |
| Loss of leg(s) | 2.8 | 4.2 | 8.1 | 3.9 | 3.0 | 5.7 | 6.1 | 3.2 | 3.1 | 3.7 |
| Limited use of arm(s) | 30.3 | 5.3 | 4.9 | 6.0 | 10.1 | 5.4 | 7.0 | 6.2 | 10.1 | 22.4 |
| Loss of arms | 1.5 | 3.3 | 3.1 | 2.3 | 1.6 | 2.5 | 2.6 | 1.4 | 1.6 | 2.3 |
| Difficulty in Hearing | 9.6 | 12.1 | 7.1 | 13.2 | 12.6 | 10.2 | 9.0 | 14.0 | 15.0 | 12.6 |
| Deaf | 2.9 | 6.1 | 2.8 | 5.0 | 2.7 | 2.8 | 3.6 | 4.0 | 2.3 | 4.5 |
| Difficulty in seeing | 24.6 | 28.6 | 25.0 | 20.5 | 28.6 | 26.8 | 23.4 | 26.8 | 33.4 | 21.2 |
| Blind | 8.2 | 11.5 | 7.9 | 13.6 | 9.3 | 8.3 | 15.5 | 8.1 | 2.8 | 6.8 |
| Difficulty in speaking | 2.5 | 4.7 | 4.8 | 5.7 | 5.7 | 3.2 | 4.2 | 6.1 | 5.0 | 5.0 |
| Mute | 1.6 | 2.5 | 3.6 | 3.3 | 4.6 | 1.5 | 2.6 | 2.2 | 1.9 | 1.8 |
| Mental Difficulty | 9.2 | 14.8 | 26.6 | 18.4 | 15.5 | 31.0 | 10.7 | 21.4 | 16.5 | 10.0 |

Table (10.6) Shows the percentages of the disability according to the states and mode of living, the highest disability percentage among the different types of disability was difficulty in seeing, and it was varying between (48.9)% and (11.2)%.

The highest percentages recorded in north states in urban areas where as the lower percent recorded in southern states in urban areas.

The second highest disability percentage was mental difficulty ,and it's varying between 38.9 to 8.3 and both higher and lower percentages recorded in north states urban areas.

The third highest disability percentage was limited use of leg (s) and it's varying between 39.6 to 3.4 , the highest percent recorded in south states / rural areas where as the lower percent recorded in north states / rural areas .

The fourth highest disability percentage was difficulty in hearing and it's varying between 20.6 to 5.8 , the highest percent recorded in north states / rural areas , where as the lower percent recorded in south states / urban areas.

On the another hand this table reflects distribution of rates in all states by type of disability and their mode of living. We notice that there is no difference in priorities and importance from we mentioned above .

Disability Trends

The data available for the northern states from the last census give us opportunity to compare the trend of disability rate between two censuses 1993 and 2008 .

Table (10. 7)
Disability Rate (Percentage) by Sex and Mode Living Northern States (1993 - 2008)

| State | Total | | | Urban | | | Rural | | |
|-----------------------------|-----------|------|--------|-----------|------|--------|-----------|------|--------|
| | Both Sexs | Male | Female | Both Sexs | Male | Female | Both Sexs | Male | Female |
| Northern States 1993 | 1.6 | 1.8 | 1.4 | 1.3 | 1.5 | 1.2 | 1.7 | 1.9 | 1.5 |
| Northern States 2008 | 4.8 | 5.0 | 4.6 | 4.3 | 4.5 | 4.1 | 5.1 | 5.3 | 4.9 |

Figure (10. 5)

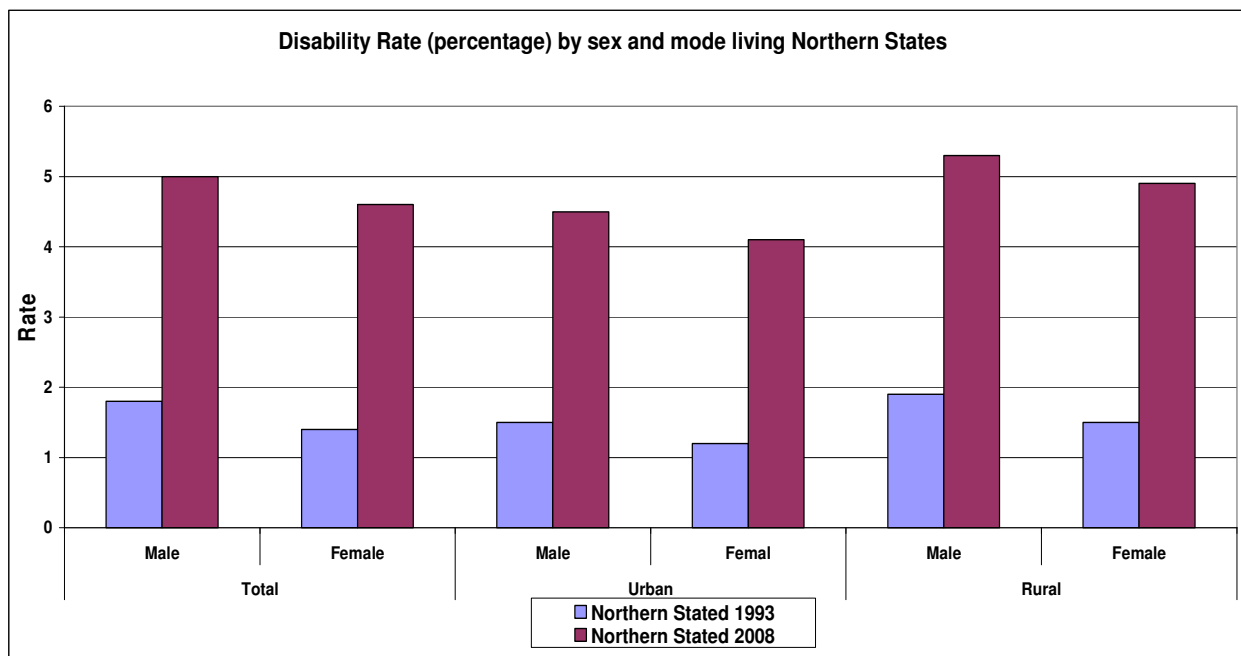


Table (10.7) Shows the different variation of the disability rates between two last censuses for the northern states , we observed that the rates increased approximately three times, the rates jumped from (1.6),(1.3) (1.7) percent in `93 up to (4.8) (4.3), (5.1) percent in 2008 for total ,urban and rural areas respectively and this refer to the different classifications given in both censuses :-

In past experience , many countries measuring disability through censuses covered only those with severe impairments, for example, persons who were blind ,deaf or mute.

The approach used here covers broader sets of persons with disability, for example , people with difficulties in seeing (of whom people who are blind are subset),people with difficulties of hearing (of whom people who are deaf are subset), see Figure 5.

Educational Characteristics

Table (10.8)

Percentage Distribution of Disabled by Typ of Disability and Educational Qualification, and Mode of Living

| | Type of Disabled | | | | | | | | | |
|------------------|-----------------------|-------------|-----------------------|-------------|-----------------------|----------------------|-------|------------------------|------|------------------|
| | Limited Use of leg(s) | Loss of leg | Limited Use of arm(s) | Loss of arm | Diffeculty in hearing | Diffeculty in seeing | Blind | Diffeculty in speaking | Mute | Mental Difficuly |
| All Sudan | | | | | | | | | | |
| No Qualification | 44.3 | 35.7 | 53.1 | 49.9 | 46.0 | 28.7 | 34.9 | 57.6 | 52.2 | 49.0 |
| Primary | 23.7 | 26.3 | 21.33 | 22.2 | 22.8 | 28.2 | 23.3 | 17.4 | 23.7 | 20.5 |
| Secondary | 11.3 | 12.0 | 9.71 | 8.8 | 8.1 | 13.7 | 9.5 | 7.6 | 9.7 | 13.0 |
| Above Secondary | 5.9 | 8.8 | 3.58 | 4.5 | 3.5 | 8.5 | 6.3 | 3.1 | 3.1 | 6.5 |
| Khalwa | 11.1 | 12.7 | 9.40 | 9.5 | 15.8 | 17.3 | 21.6 | 9.2 | 5.4 | 5.7 |
| Not Stated | 3.8 | 4.4 | 3.53 | 5.1 | 3.9 | 3.5 | 4.5 | 5.0 | 5.8 | 5.3 |
| URBAN | | | | | | | | | | |
| No Qualification | 33.9 | 24.8 | 34.9 | 38.6 | 36.2 | 20.6 | 34.9 | 57.6 | 52.2 | 49.0 |
| Primary | 27.6 | 32.8 | 30.2 | 25.6 | 29.0 | 29.8 | 23.3 | 17.4 | 23.7 | 20.5 |
| Secondary | 16.2 | 16.6 | 15.6 | 12.3 | 12.0 | 19.6 | 9.5 | 7.6 | 9.7 | 13.0 |
| Above Secondary | 10.4 | 14.3 | 7.1 | 9.3 | 6.9 | 14.7 | 6.3 | 3.1 | 3.1 | 6.5 |
| Khalwa | 7.8 | 7.4 | 7.6 | 9.0 | 11.6 | 11.7 | 21.6 | 9.2 | 5.4 | 5.7 |
| Not Stated | 4.1 | 4.2 | 4.6 | 5.2 | 4.4 | 3.7 | 4.5 | 5.1 | 5.8 | 5.3 |

Cont Table (10. 8A)

| | Type of Disabled | | | | | | | | | |
|------------------|------------------------------|--------------------|------------------------------|--------------------|------------------------------|-----------------------------|--------------|-------------------------------|-------------|--------------------------|
| | Limited Use of leg(s) | Loss of leg | Limited Use of arm(s) | Loss of arm | Difficulty in hearing | Difficulty in seeing | Blind | Difficulty in speaking | Mute | Mental Difficulty |
| Rural | | | | | | | | | | |
| No Qualification | 51.28 | 46.97 | 60.02 | 54.73 | 51.91 | 35.76 | 37.39 | 61.81 | 52.17 | 49.01 |
| Primary | 21.23 | 20.30 | 17.95 | 21.34 | 19.63 | 27.21 | 21.99 | 15.28 | 23.68 | 20.52 |
| Secondary | 8.17 | 7.63 | 7.41 | 7.63 | 6.01 | 8.93 | 6.83 | 6.13 | 9.71 | 13.00 |
| Above Secondary | 2.93 | 3.39 | 2.17 | 2.62 | 1.62 | 3.32 | 3.45 | 2.31 | 3.11 | 6.53 |
| Khalwa | 12.93 | 17.11 | 9.66 | 8.99 | 17.35 | 21.54 | 25.58 | 9.71 | 5.39 | 5.67 |
| Not Stated | 3.46 | 4.59 | 2.79 | 4.72 | 3.47 | 3.24 | 4.76 | 4.77 | 5.94 | 5.28 |
| Nomads | | | | | | | | | | |
| No Qualification | 43.71 | 40.51 | 41.38 | 47.03 | 35.08 | 27.58 | 31.58 | 45.71 | 57.48 | 52.64 |
| Primary | 12.08 | 6.80 | 9.03 | 8.22 | 12.91 | 10.38 | 7.52 | 13.97 | 8.66 | 11.06 |
| Secondary | 3.46 | 1.70 | 3.61 | 2.28 | 2.38 | 2.13 | 1.88 | 3.79 | 4.33 | 3.86 |
| Above Secondary | 1.38 | 1.70 | 1.48 | 4.12 | 1.35 | 0.96 | 0.75 | 1.00 | 1.57 | 1.60 |
| Khalwa | 31.51 | 41.36 | 29.89 | 25.57 | 40.78 | 50.52 | 45.11 | 29.74 | 16.54 | 23.52 |
| Not Stated | 7.80 | 7.93 | 14.61 | 12.79 | 7.44 | 8.38 | 12.78 | 5.79 | 11.81 | 7.33 |

Table (10.8) Shows the percentage distribution of disabled population by educational level in Sudan by their qualifications according to type of disability and mode of living .

The percentage of disqualified forms was the highest percentage among the rest of disabled , then primary certificate holders come in second rank , and there is no significant difference between secondary school graduates and khalwa both have similar percentage. Above secondary certificate comes in the last rank as lowest percentage in educational status , and then when we compared the educational level according to mode of living we observed there is improvement in terms of educational status in urban areas wick is reflected in primary, secondary and above secondary , hence drop down the percentages of disqualified, and conversly in rural and nomad areas where the percentage of disqualified was high.

Table (10.9)

Percentage Distribution ,of Disabled in Age group 6 – 24 by School Attending, Sudan

| Type of Disability | Currently Attending | Previously Attending | Never Attending | Not Reported |
|---------------------------|----------------------------|-----------------------------|------------------------|---------------------|
| Limited use of leg s | 38.8 | 15.5 | 41.0 | 4.7 |
| Loss of leg | 27.6 | 12.1 | 55.2 | 5.2 |
| Limited use of arm | 33.2 | 14.0 | 49.1 | 3.7 |
| Loss of arm | 30.0 | 10.2 | 52.7 | 7.0 |
| Difficulty of Hearing | 40.4 | 14.4 | 41.0 | 4.2 |
| Deaf | 19.6 | 7.9 | 64.1 | 8.4 |
| Difficulty in seeing | 45.8 | 15.8 | 35.1 | 3.3 |
| Blind | 19.1 | 7.4 | 69.0 | 4.6 |
| Difficulty in speaking | 25.2 | 8.0 | 60.2 | 6.7 |
| Mute | 16.5 | 6.2 | 67.7 | 9.6 |
| Mental Difficulty | 38.4 | 14.2 | 42.2 | 5.3 |

Figure (10.6)

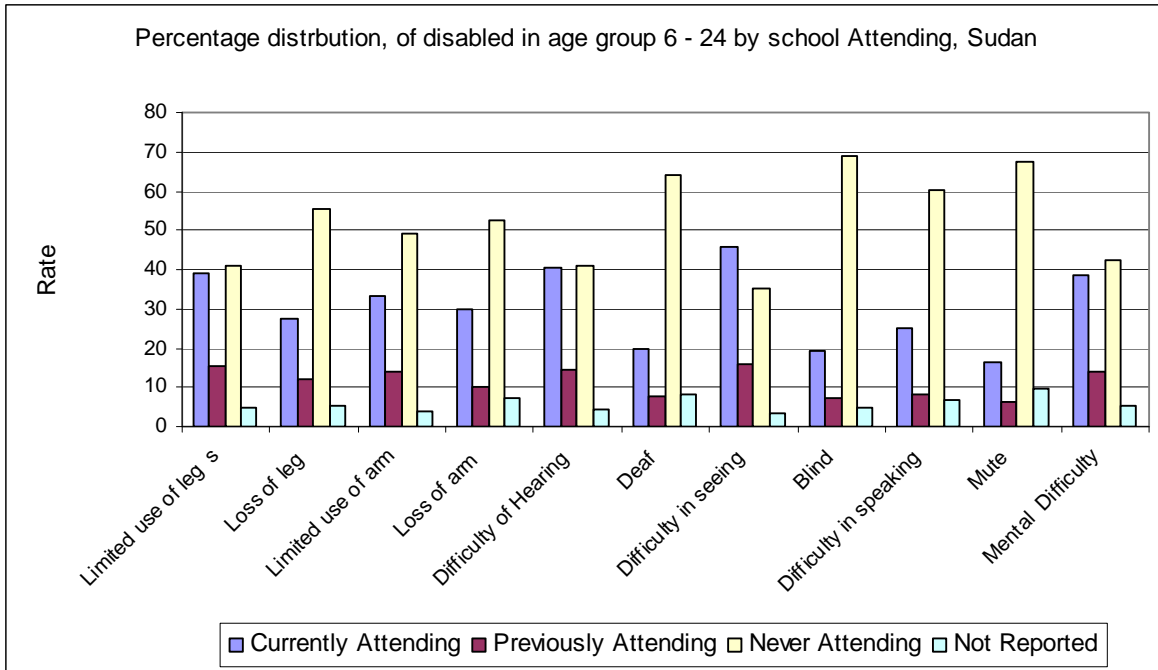


Table (10.9) Shows the percentages of disabled population and their education status in school attending in age group (6-24) by the type of disability. The percentage of never attending forms is highest in all Sudan among different types of disability and it was varying between (69)% in case of blind as the a highest percent ,and (35.1)% as a lower percent recorded in case of difficulty in seeing and the currently attending status comes in the second with varying between (16.5- 45.8) % as lowest and highest rate in mute and difficulty in seeing respectively. The never attending recorded the lowest percentages where the higher percentage in this status was (15.8)% in difficulty in seeing where as the lower percentage was in mute (6.2)% , see Figure 6.

Table (10.10)
Percentage Distribution by Sex and School Attending in Age Group 6 – 24

| Type of Disability | Total | | School Attendece | | | | | | Not Reported | |
|------------------------|-------|--------|--------------------|--------|----------------------|--------|-----------------|--------|--------------|--------|
| | | | Currenty Attending | | Previously Attending | | Never Attending | | | |
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female |
| Limited use of leg s | 514 | 48.6 | 55.2 | 44.8 | 55.5 | 44.5 | 46.4 | 53.6 | 49.8 | 50.2 |
| Loss of leg | 56.6 | 43.3 | 65.2 | 34.8 | 59.4 | 40.6 | 52.0 | 48.0 | 55.2 | 44.7 |
| Limited use of arm | 51.7 | 48.3 | 59.5 | 40.5 | 57.9 | 42.1 | 44.9 | 55.1 | 48.9 | 51.2 |
| Loss of arm | 57.6 | 42.4 | 63.7 | 36.3 | 60.4 | 39.6 | 55.3 | 44.7 | 44.5 | 55.6 |
| Difficulty of Hearing | 53.3 | 46.7 | 58.7 | 41.3 | 54.2 | 45.8 | 47.3 | 52.7 | 55.0 | 45.0 |
| Deaf | 54.8 | 45.2 | 59.6 | 40.5 | 56.6 | 43.4 | 53.6 | 46.4 | 50.9 | 49.1 |
| Difficulty in seeing | 52.7 | 47.4 | 54.7 | 54.5 | 53.9 | 46.1 | 49.4 | 50.6 | 52.2 | 47.8 |
| Blind | 52.6 | 47.4 | 58.5 | 41.5 | 50.4 | 49.4 | 51.4 | 48.8 | 50.2 | 49.8 |
| Difficulty in speaking | 59.4 | 40.6 | 62.5 | 37.6 | 60.2 | 39.8 | 58.5 | 41.5 | 54.9 | 45.1 |
| Mute | 52.2 | 47.8 | 55.2 | 44.8 | 50.5 | 49.5 | 49.8 | 50.2 | 53.5 | 46.5 |
| Mental Difficulty | 82.1 | 41.9 | 57.5 | 42.5 | 57.8 | 42.3 | 58.7 | 41.3 | 54.8 | 45.2 |

Table (10.10) shows the percentage distribution of disabled population in age group (6-24) years according to sex, and school attending.

Obviously the educational status of males is better than the females, and this is very clear in both cases of attending ,so we noticed the males recorded highest rate than females in all types of disability whereas the most higher percentage recorded in case of never attending for the females in most types of disability.

Table (10.11)

Percentage Distribution , Disabled Person 6 Years and Over by Educational Attendance , Type of Disability and Mode Living – Sudan

| Type of Disability | Limited Use of leg(s) | Loss of leg(s) | Limited Use of arm | Loss of arm | Diffeculty in hearing | Deaf | Diffeculty in seeing | Blind | Diffeculty in speaking | Mute | Mental Diffeculty |
|---------------------|-----------------------|----------------|--------------------|-------------|-----------------------|------|----------------------|-------|------------------------|------|-------------------|
| All Sudan | | | | | | | | | | | |
| Currently Attending | 13.2 | 8.8 | 12.96 | 12.2 | 9.00 | 8.9 | 5.6 | 3.1 | 11.9 | 10.4 | 19.8 |
| Previously | 25.9 | 26.5 | 23.05 | 18.6 | 19.3 | 11.0 | 23.2 | 11.3 | 13.8 | 10.7 | 26.2 |
| Never A ttending | 56.7 | 59.4 | 60.3 | 63.6 | 67.3 | 72.9 | 66.9 | 80.9 | 68.9 | 70.2 | 49.1 |
| Not Reported | 4.1 | 5.2 | 3.6 | 5.6 | 4.4 | 7.3 | 4.3 | 4.7 | 5.4 | 8.7 | 4.8 |
| URBAN | | | | | | | | | | | |
| Currently Attending | 18.0 | 10.25 | 14.4 | 12.6 | 12.5 | 15.3 | 5.2 | 5.2 | 17.9 | 14.2 | 26.3 |
| Previously | 40.1 | 45.14 | 41.3 | 32.6 | 33.7 | 22.1 | 23.7 | 23.7 | 22.4 | 19.4 | 39.2 |
| Never A ttending | 37.3 | 38.95 | 40.4 | 47.4 | 48.9 | 52.6 | 64.8 | 64.8 | 53.0 | 57.1 | 30.0 |
| Not Reported | 4.7 | 5.66 | 3.8 | 7.5 | 4.9 | 10.0 | 6.4 | 6.4 | 6.6 | 9.3 | 4.6 |
| RURAL | | | | | | | | | | | |
| Currently Attending | 12.0 | 8.7 | 13.0 | 13.0 | 8.6 | 7.9 | 4.4 | 2.7 | 11.2 | 10.2 | 18.3 |
| Previously | 21.6 | 19.0 | 19.4 | 16.4 | 16.2 | 9.0 | 18.3 | 8.6 | 12.4 | 9.2 | 22.3 |
| Never A ttending | 62.7 | 67.6 | 64.1 | 65.6 | 71.0 | 76.4 | 73.0 | 84.6 | 71.4 | 71.6 | 54.7 |
| Not Reported | 3.8 | 4.7 | 3.5 | 5.0 | 4.2 | 6.6 | 4.3 | 4.1 | 5.0 | 8.9 | 4.8 |
| NOMAD | | | | | | | | | | | |
| Currently Attending | 4.3 | 3.2 | 5.5 | 4.7 | 2.1 | 2.9 | 1.2 | 1.3 | 3.6 | 4.1 | 6.7 |
| Previously | 7.6 | 6.4 | 8.8 | 5.9 | 5.4 | 3.0 | 5.4 | 2.6 | 4.7 | 2.3 | 6.5 |
| Never A ttending | 82.2 | 83.1 | 80.0 | 82.6 | 87.5 | 87.9 | 88.0 | 90.2 | 86.6 | 87.4 | 81.1 |
| Not Reported | 5.8 | 7.2 | 5.7 | 6.9 | 5.0 | 6.1 | 5.3 | 5.8 | 5.1 | 6.2 | 5.7 |

Table (10.11) Shows the percentages distribution of disabled population 6 years and over according to type of disability, school attending and mode of living in Sudan Disabled among those who never been in school they score the highest percentages varying between (49.1- 80.9)% as the lowest and highest in mental difficulties and blind respectively. Previously attending were in the second rank their percentages varying between (10.7- 26.5) % in mute as the lowest and in loss of legs as the higher. In comparing school attendance status according to the mode of living the percentages in both cases previously and currently attending percentages varying between (19.4- 45.1)% , (5.2- 26.3)% as the lowest and highest percentages respectively in urban areas against (9.0- 22.3)% , (2.7 - 18.3)% in rural areas and (2.3 - 8.8)% (1.2 - 6.7) in nomad.

In currently attending the highest percent counted in mental difficulty type (19.8) %.

This means that improvement in educational level can be seen clearly in urban areas.

Economic Characteristics

Table (10.12)

Percentage of Disabled Population Economically Active and Non Economically Active by type Of Disability

| All Disability | Economic Active | | | | | | | | | | |
|------------------------|-----------------|--------|-------|----------|-------|-------------|-------|--------------------------|-------|------------|-------|
| | Total | Total | % | Employed | % | Un Employed | % | Economically Non- active | % | Not Stated | % |
| Limited use of legs | 287847 | 121168 | 42.10 | 104924 | 86.60 | 16244 | 13.40 | 152863 | 53.10 | 13817 | 4.80 |
| loss of legs | 55185 | 23155 | 42.00 | 19888 | 85.90 | 3267 | 14.10 | 28256 | 51.20 | 3774 | 6.80 |
| Limited use of arm | 90802 | 43186 | 47.60 | 37988 | 88.00 | 5198 | 12.00 | 44315 | 48.80 | 3301 | 3.60 |
| loss of arm | 21407 | 9010 | 42.10 | 7529 | 83.60 | 1481 | 16.40 | 10987 | 51.30 | 1410 | 6.60 |
| Difficulty in hearing | 225593 | 85635 | 38.00 | 74368 | 86.80 | 11267 | 13.20 | 130729 | 57.90 | 9229 | 4.10 |
| Deaf | 53188 | 21006 | 39.50 | 17839 | 84.90 | 3167 | 15.10 | 28085 | 52.80 | 4097 | 7.70 |
| Difficulty in seeing | 562416 | 211718 | 37.60 | 184400 | 87.10 | 27318 | 12.90 | 326910 | 58.10 | 23788 | 4.20 |
| Blind | 86743 | 22527 | 26.00 | 18873 | 83.80 | 3653 | 16.20 | 59305 | 68.40 | 4912 | 5.70 |
| Difficulty in speaking | 53828 | 20893 | 38.80 | 17071 | 81.70 | 3821 | 18.30 | 29301 | 54.40 | 3634 | 6.80 |
| Mute | 31789 | 10833 | 34.10 | 8694 | 80.30 | 2138 | 19.70 | 17410 | 54.80 | 3546 | 11.20 |
| Mental | 338525 | 130914 | 38.70 | 109217 | 83.40 | 21697 | 16.60 | 180762 | 53.40 | 26849 | 7.90 |

Figure (10.7)

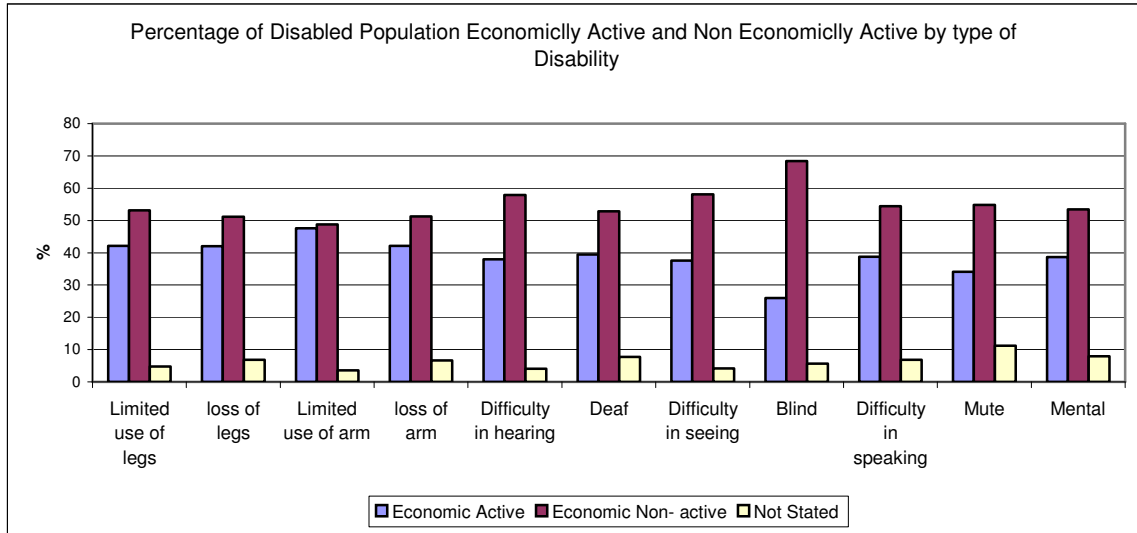


Table (10.12) Shows the percentages of among disabled population economically active and non-active by type of disability , from the totals counted and distributed among the types of disability the percentages of non-active is higher than active population and it is varying(48.8 – 68.4) % for non-active and (26-47.6) % for active population as the lower and higher among all types, see Figure 7.

Among active population, the employed people recorded very high percentages in all types more than (80) % than unemployed people.

Table (10.13)

Percentage Distribution Among Disabled Economically Active and Economically Non Active by Type of Disability, and Sex

| Type of Disability | Economical Activity | | | | | | Economically Non Active | | | | | |
|------------------------|---------------------|--------|----------|--------|-------------|--------|-------------------------|--------|----------|--------|-------------|--------|
| | Total | | Employed | | Un Employed | | Total | | Employed | | Un Employed | |
| | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female |
| Limited use of leg s | 53.7 | 49.3 | 66.2 | 33.8 | 66.9 | 33.1 | 61.9 | 38.1 | 44.5 | 55.5 | 44.5 | 55.5 |
| Loss of leg | 58.0 | 42.0 | 70.8 | 29.2 | 72.1 | 27.9 | 62.8 | 37.2 | 48.8 | 51.2 | 49.1 | 50.9 |
| Limited use of arm | 54.8 | 45.2 | 62.1 | 37.9 | 62.1 | 37.9 | 62.0 | 38.0 | 48.1 | 51.9 | 49.9 | 50.1 |
| Loss of arm | 57.9 | 42.0 | 71.4 | 28.6 | 72.9 | 27.1 | 63.5 | 36.5 | 48.3 | 51.7 | 47.7 | 50.2 |
| Difficulty of Hearing | 49.2 | 50.8 | 66.6 | 33.4 | 67.0 | 33.0 | 64.0 | 36.0 | 38.6 | 61.4 | 38.7 | 61.3 |
| Deaf | 52.6 | 47.4 | 67.8 | 32.2 | 67.6 | 32.3 | 68.8 | 31.2 | 42.3 | 57.7 | 45.3 | 54.7 |
| Difficulty in seeing | 50.4 | 49.6 | 67.0 | 33.0 | 67.9 | 47.2 | 60.6 | 39.3 | 40.4 | 59.6 | 40.2 | 59.8 |
| Blind | 49.2 | 50.8 | 59.3 | 40.6 | 60.5 | 39.5 | 53.0 | 50.0 | 46.4 | 53.6 | 38.1 | 61.8 |
| Difficulty in speaking | 55.3 | 44.9 | 65.9 | 34.1 | 67.7 | 32.3 | 57.9 | 42.1 | 48.4 | 51.6 | 49.6 | 50.4 |
| Mute | 56.1 | 43.9 | 66.6 | 33.4 | 65.8 | 33.5 | 67.3 | 32.7 | 7 | 50.2 | 54.9 | 45.1 |
| Mental Difficulty | 52.0 | 48.0 | 68.0 | 32.0 | 69.8 | 30.2 | 59.3 | 40.7 | 50.0 | 59.0 | 48.5 | 51.5 |

Figure (10. 8)

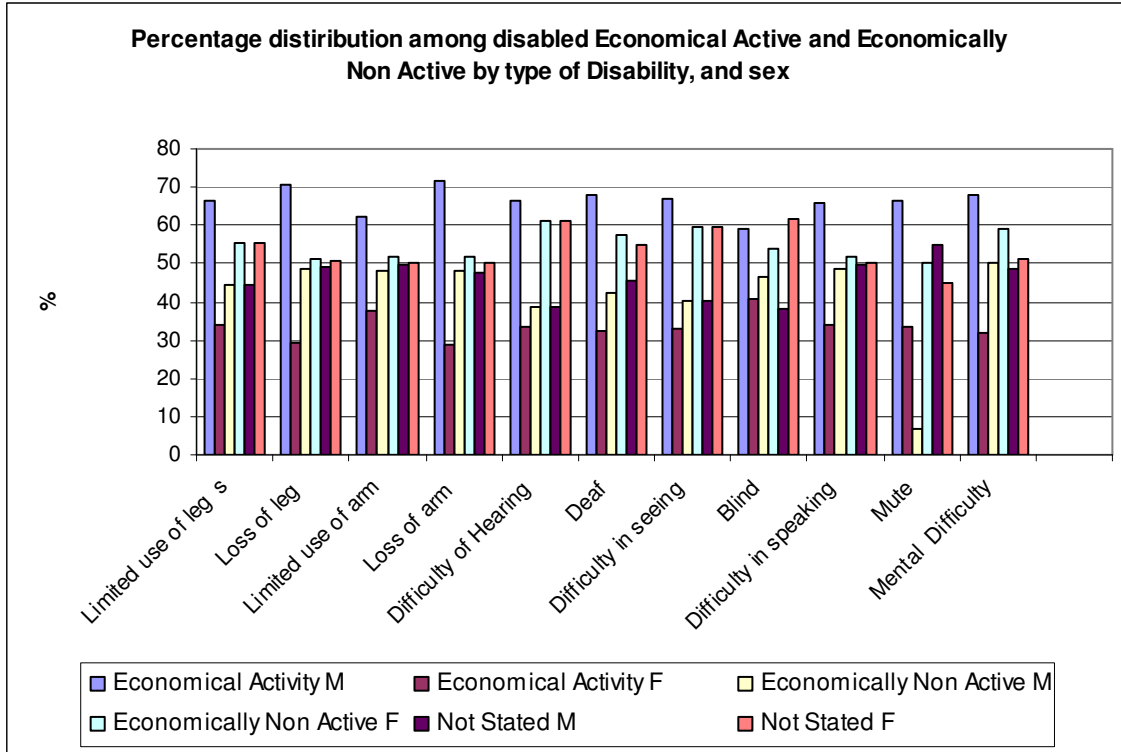


Table (10.13) Shows the percentage of economically active and non -active by sex and type of disability ,we noticed the percentage of economiclly active scoring the higher for the males than the females in all types except in blind, where the lower percent recorded was almost 60% which indicates that males were more economically active.

In terms of employed and unemployed we found that the males forming higher percentages as well whereas non-active percentage of females is higher than males, see Figure 8.

Table (10.14)

Percentage Distribution of Economically Non Active by Type of Disability

| Type of Disability | Limited Use of leg(s) | Loss of leg(s) | Limited Use of arm | Loss of arm | Diffecult y in hearing | Deaf | Diffeculty in seeing | Blind | Difficulty in speaking | Mute | Mental Difficulty |
|---------------------------|-----------------------|----------------|--------------------|-------------|------------------------|------|----------------------|-------|------------------------|------|-------------------|
| ALL SUDAN | | | | | | | | | | | |
| No Hope to find job | 9.2 | 10.1 | 9.9 | 13.9 | 8.8 | 14.4 | 8.7 | 9.8 | 12.2 | 14.4 | 9.6 |
| Full time Student | 16.4 | 11.2 | 15.7 | 15.7 | 11.3 | 12.1 | 7.3 | 3.1 | 14.9 | 14.3 | 28.5 |
| Income Recipient | 0.4 | 0.9 | 0.3 | 0.0 | 0.5 | 0.4 | 51.0 | 0.3 | 0.5 | 0.2 | 0.6 |
| Too old | 21.9 | 12.8 | 12.7 | 10.1 | 39.7 | 18.1 | 42.8 | 40.9 | 16.8 | 4.9 | 4.0 |
| Disabled Too sick | 25.8 | 34.7 | 37.9 | 36.2 | 9.1 | 24.1 | 10.1 | 28.8 | 28.8 | 41.2 | 21.6 |
| F. time home maker | 20.1 | 21.5 | 18.1 | 17.3 | 24.1 | 24.5 | 23.4 | 10.2 | 19.4 | 19.1 | 30.4 |
| Pensioner Retired | 3.1 | 4.5 | 2.2 | 2.6 | 3.3 | 1.2 | 4.4 | 4.1 | 2.3 | 1.0 | 1.2 |
| Not Reported | 3.1 | 4.4 | 3.3 | 3.7 | 3.1 | 5.2 | 2.8 | 2.9 | 5.0 | 4.8 | 4.0 |
| URBAN | | | | | | | | | | | |
| NoHope to find job | 7.4 | 7.9 | 7.0 | 12.0 | 8.1 | 10.0 | 7.2 | 8.0 | 8.9 | 10.1 | 7.2 |
| Full time Student | 24.2 | 14.5 | 21.1 | 18.5 | 16.4 | 22.2 | 13.8 | 5.46 | 23.1 | 22.2 | 38.6 |
| Income Reeciient | 0.4 | 1.1 | 0 | 0 | 0.5 | 0.3 | 0.4 | 0.44 | 0.1 | 0 | 0.9 |
| Toold | 18.4 | 12.7 | 12.8 | 13.0 | 32.0 | 15.7 | 33.0 | 37.68 | 12.6 | 2.2 | 3.3 |
| Disabled Toold | 21.6 | 26.0 | 33.7 | 30.0 | 6.8 | 20.7 | 6.8 | 27.07 | 27.8 | 41.2 | 18.3 |
| Full time maker | 19.5 | 26.0 | 16.5 | 17.9 | 26.4 | 25.1 | 27.0 | 11.26 | 18.5 | 17.9 | 26.1 |
| Pensioner Retired | 6.0 | 7.9 | 5.8 | 4.7 | 7.2 | 1.7 | 9.0 | 6.96 | 4.1 | 1.9 | 2.1 |
| Not Reported | 2.5 | 3.2 | 2.9 | 4.0 | 2.6 | 4.4 | 2.8 | 3.10 | 4.8 | 3.8 | 3.5 |

Cont Table (10.14 A)

| Type of Disability | Limited Use of leg(s) | Loss of leg(s) | Limited Use of arm | Loss of arm | Difficulty in hearing | Deaf | Difficulty in seeing | Blind | Difficulty in speaking | Mute | Mental Difficulty |
|---------------------------|------------------------------|-----------------------|---------------------------|--------------------|------------------------------|-------------|-----------------------------|--------------|-------------------------------|-------------|--------------------------|
| Rural | | | | | | | | | | | |
| No Hope to find job | 9.8 | 11.1 | 10.6 | 14.8 | 8.5 | 15.6 | 8.8 | 10.2 | 13.0 | 15.3 | 10.4 |
| Full time Student | 13.8 | 10.2 | 14.7 | 16.3 | 10.6 | 10.3 | 5.3 | 2.7 | 13.0 | 12.9 | 24.9 |
| Income Recipient | 0.4 | 0.8 | 0.3 | 0.6 | 0.5 | 0.3 | 0.5 | 0.3 | 0.7 | 0.2 | 0.5 |
| Too old | 23.2 | 12.8 | 12.6 | 9.2 | 42.0 | 18.4 | 46.2 | 41.2 | 18.3 | 5.3 | 4.4 |
| Disabled Too Sick | 27.4 | 38.6 | 39.0 | 37.0 | 9.7 | 25.2 | 11.2 | 29.3 | 30.4 | 42.2 | 23.6 |
| F. time home maker | 20.1 | 19.2 | 18.4 | 17.0 | 23.4 | 24.2 | 22.6 | 10.4 | 18.3 | 19.1 | 31.6 |
| Pensioner Retired | 2.0 | 2.9 | 1.3 | 2.2 | 2.2 | 1.2 | 2.8 | 3.6 | 1.8 | 0.7 | 0.7 |
| NoHope to find job | 3.2 | 4.4 | 3.3 | 3.1 | 3.1 | 5.0 | 2.6 | 2.4 | 4.6 | 4.4 | 3.9 |
| Nomads | | | | | | | | | | | |
| No Hope to find job | 11.2 | 11.7 | 11.8 | 11.9 | 13.6 | 15.3 | 14.3 | 10.7 | 16.0 | 18.8 | 13.7 |
| Full time Student | 5.2 | 3.6 | 5.8 | 5.1 | 2.0 | 4.4 | 1.02 | 0.8 | 5.6 | 5.9 | 11.7 |
| Income Recipient | 0.9 | 0.9 | 0.7 | 0.5 | 0.9 | 1.0 | .79 | 0.6 | 0.8 | 0.7 | 0.8 |
| Too old | 24.1 | 13.9 | 13.7 | 11.4 | 42.4 | 21.2 | 48.1 | 46.1 | 17.0 | 6.6 | 4.5 |
| Disabled Too Sick | 27.9 | 38.7 | 39.9 | 43.7 | 10.3 | 24.0 | 12.2 | 28.4 | 19.4 | 34.5 | 18.5 |
| F. time home maker | 23.7 | 19.9 | 22.0 | 18.4 | 24.3 | 25.5 | 17.8 | 6.4 | 31.7 | 22.2 | 41.7 |
| Pensioner Retired | 1.0 | 1.8 | 0.7 | 0.8 | 1.0 | 0.5 | 1.0 | 0.7 | 0.7 | 1.0 | 0.6 |
| Not Reported | 6.0 | 9.4 | 5.6 | 8.3 | 5.6 | 8.2 | 4.9 | 6.3 | 8.7 | 10.4 | 8.4 |

Table (10.14) Shows the percentages of disabled economically non –active population by type of disability and mode of living in Sudan according to non –active classifications , we noticed the disabled too sick full time home maker and too old counted higher percentages and the lower percentage recorded for incomerecipient and pensioner retired in most types of disability.ms

In terms of percentage according to mode of living there was no signifant difference between urban and rural and obviously the percentage of student in urban is higher than those who in rural areas.

Conclusion and Recommendations

A census questionnaire cannot collect good-quality data on topics (dimensions) impairment and handicap, and a question on handicap should identify the kind of difficulties that prevent the person with disability from participating on equal terms in the activities of the society.

According to final results obtained the disability rates are not low and it is widely prevalence with great variations in states, so that it is a challenge to policy makers to formulate a plan to monitor and control disability among the population.

To assist countriy in planning and to increase national capability in a more flexible manner together with increased ability of users to utilize data to meet national needs these points should be considered :-

-The limited number of questions in a census can not provide a precise measure of disability, and the data obtained in the census concerned limited information. These data may then be utilized for the development of the surveys or studies where more detailed information can be collected on people with disability as well as the causes of disability.

-The organizations of people with disability should be consulted at the stage of identifying priorities and country needs and also benefit from collaboration with disability organization for better coverage of the population with disability.

-To emphasis and integrate the disabled in the community through special programs and training concerning capacity building according to the actual needs.