

Gaalkacyo COVID-19 Vulnerability Mapping by Risk Factors



Introduction

Gaalkacyo is a district that falls in the region of Mudug in Somalia. It is divided into Gaalkacyo North and Gaalkacyo South. Gaalkacyo North falls under the administration of Puntland, while Gaalkacyo South falls under Galmudug State of Somalia.

Methodology

A. Generation of Population Density

Population density was generated from the dwelling structures data obtained from Somali Health Demographic Survey (SHDS) 2020. A weight factor was applied to the dwelling structures to calculate the average number of households for each of the dwelling structures. The population density calculated the number of households per unit area.

Population density will assist in identifying the areas that are densely populated. Such areas are more vulnerable to the spread of COVID-19.

B. Internally displaced Persons (IDPs)

Some IDPs have settled in Gaalkacyo. The data used was from Camp Coordination Camp Management (CCCM) 2019 and data collected from the ground.

The majority of the IDPs in Gaalkacyo originate from Mudug, Middle Shabelle, Banadir, Hiraan and Bay (Shelter Cluster Somalia 2014).

There were 33 IDP camps in Gaalkacyo North - The camps have 41% males and 59% females. Gaalkacyo South had 48 IDP camps - 48% and 52% of the individuals are male and female respectively (CCCM 2019).

The IDPs are vulnerable populations due to their living conditions due to their living conditions with limited access to social amenities.

C. Health Centres

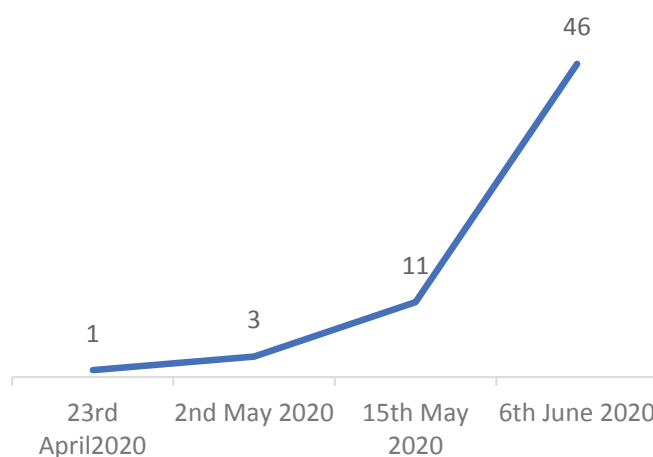
Health centres are crucial facilities in carrying out COVID-19 tests, isolating and treating of the symptomatic patients. A good distribution of health centres with proper equipment is vital in the fight against COVID-19.

D. Bus Stations and Markets

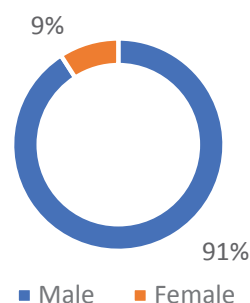
Bus stations and markets tend to be high-risk areas due to the high influx of people. It is important to identify them in order to design proper mitigation plans to curb the spread of COVID-19.

E. COVID-19 Confirmed Cases

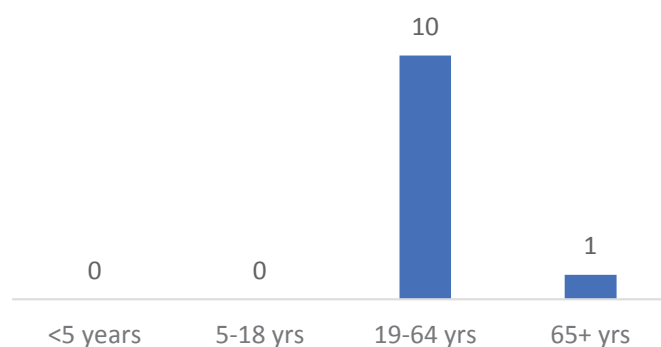
As of 6th of June 2020, there were 33 and 13 confirmed cases of COVID-19 in Gaalkacyo North and South respectively. This was out of 2,204 confirmed cases in Somalia.



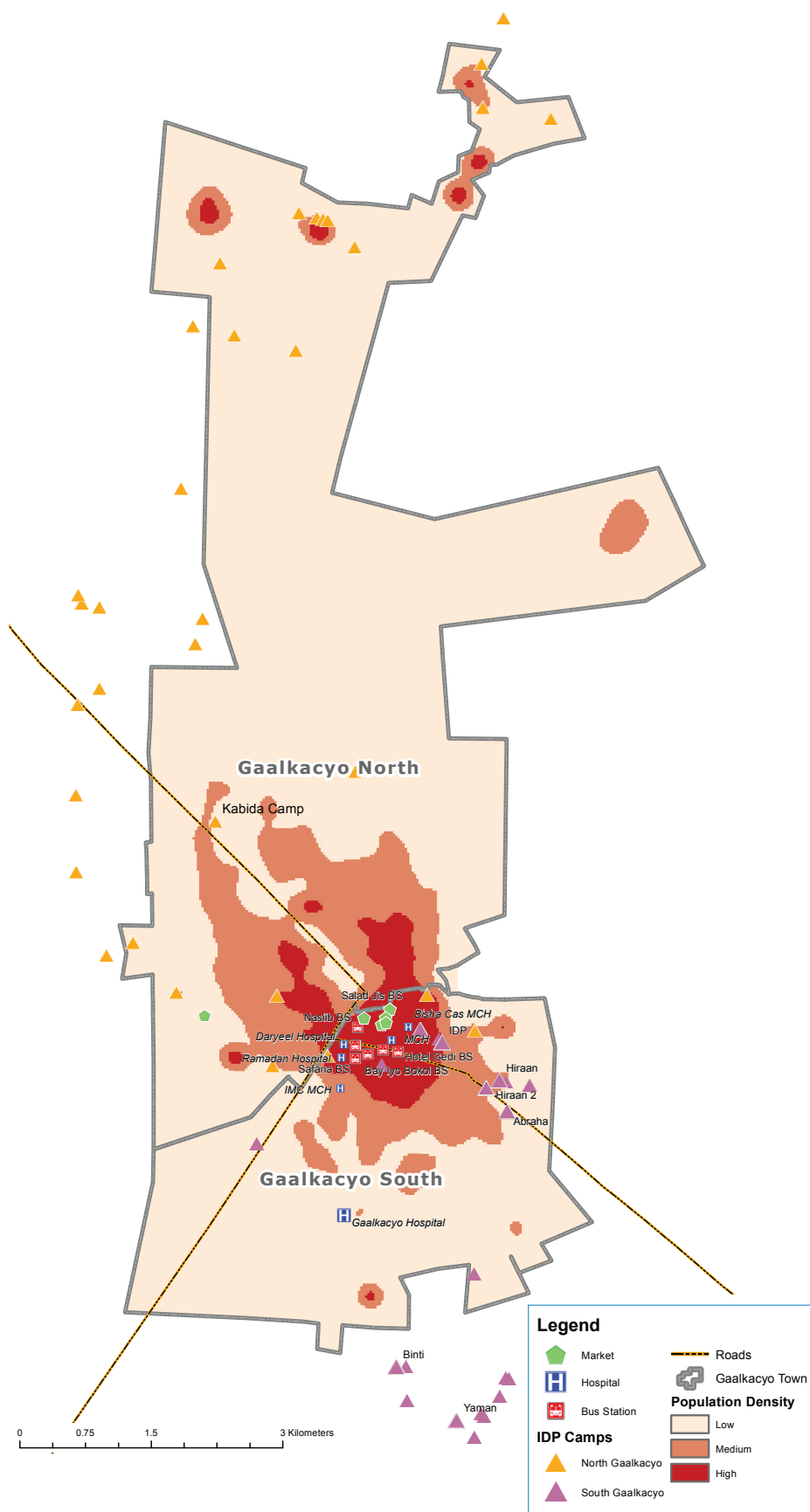
Nine percent of the reported cases were female, while 91 percent were male as of 6th of June 2020.



The number of confirmed cases by age as of 6th of June is shown below.



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The Somali Health and Demographic Survey (SHDS), COVID-19 related indicators for Mudug Region

Population Characteristics

Percent of population under 5: **26.5%**
 Percent of schoolgoing children aged 6-17: **37.6%**
 Percent of population aged 60+: **4.9%**
 Percent of population aged 65+: **3.3%**
 Percent of population aged 80+: **1.3%**

Household Characteristics

Percent of households headed by persons aged 60+: **20.3%**
 Percent of households headed by persons aged 65+: **11.1%**
 Percent of households headed by persons aged 80+: **3.7%**
 Percent of households with 1 room for sleeping: **57.4%**
 Percent of households with 6 or more household members: **60.4%**
 Percent of households with children under 5: **18.1%**
 Percent of households with household members aged 65+: **3.3%**
 Percent of household with access to electricity: **30.4%**
 Percent of population with basic drinking water service: **64.2%**
 Percent of population with limited drinking water service: **7.5%**
 Percent of population with a basic handwashing facility: **8.2%**
 Percent population with a limited handwashing facility: **48.0%**

Child Health and Nutrition

Percent of children with stunted growth: **23.6%**
 Percent of wasted children: **8.4%**
 Percent of underweight children: **31.6%**

Maternal Health and Nutrition

Percent of women aged 15-49 currently pregnant: **16.5%**
 Percent of women aged 15-49 that are obese: **10.3%**

Access to Media

Percent of population with access to radio: **21.8%**
 Percent of population with access to television: **11.0%**
 Percent of population with access to mobile: **68.6%**

Chronic Diseases, Tobacco Use and Disability

Percent of household members with at least one chronic disease: **5.1%**
 Percent of household members who smoke cigarette or use tobacco: **3.3%**

Prevalence of disabled persons: 4.9%

Gender-based Violence

Percent of ever married women aged 15-49 who have ever experienced different forms of violence: **14.2%**

Access to Health Care

Percentage of households with members who have health insurance policy: **0.3%**

Methodological Notes

The map displays the household density layer overlaid with IDP camps, health facilities, markets, bus stations and roads. Household density was obtained by calculating the number of households per unit area.

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The boundaries on this map are the pre-war regions of Somalia and do not imply any endorsement or acceptance by the United Nations Population Fund

