

## The Center Launches Two Studies to Measure Weather Elements Associated with Heat Stress Inside and Outside the Camps



The center launched its research and field studies related to heat stress and heat stroke in this year's Hajj season in Mina, with the aim of cooperating with the concerned authorities in reducing the number of cases coming to hospitals and health centers.

The Director General of the General Directorate of Research, Development and Innovation at the center, Dr. Turki Habiballah, explained that the study concerned with heat stress depends on measuring temperatures inside and outside the camps by measuring temperatures, wind speed and humidity, and then assessing the heat stress of pilgrims in cooperation with the Ministry of Health to calculate the number of heatstrokes that may affect the health and safety of pilgrims.

The center also conducted another study to calculate the number of sunstrokes by applying some numerical models based on indicators of temperature, relative humidity, solar radiation, and wind speed depending on the cases registered in hospitals or health centers in Mash'ar Mina, where the number of health cases is entered in the numerical model in addition to the weather condition for the same day, and then a certain value is issued for a certain number of sunstrokes during the targeted period.

The center conducts these two studies with the participation of competent experts and technical and scientific cadres who work on writing reports, conducting studies and scientific publication, while this step aims to increase the efficiency and quality of scientific research at the center as well as the concerned authorities specialized in common fields.