

## **Abstract**

**Back ground:** The current epidemic of the Covid virus 19 as the most important global health challenge and its expansion has reached 146 countries. This rapid and widespread spread has caused serious social, economic, cultural and even political damage in countries in such a way that even UN meetings and many sports, cultural and scientific competitions between countries and within countries have been affected by this epidemic. In this study, the economic losses caused by the outbreak of covid-19 in Ardabil was investigated. Also, due to the high prevalence of this disease in Iran and the resulting mortality in a short period of time, an attempt was made to reduce system costs. Iran's health should also be estimated in relation to the control of this epidemic.

**Aim:** To determine the economic losses of Covid-19 in Ardabil

**Matherials and Methods:** To collect data, a questionnaire developed by the World Health Organization (WHO) was used to calculate the non-medical costs of influenza. Among the patients referred to the hospitals and centers under the auspices of Ardabil University of Medical Sciences who were given a definitive corona diagnosis, they were systematically randomly selected according to the required sample size and a telephone interview was conducted with them.

**Results:** Patients received an average of 61.89 services, whether direct or indirect. Most of these services in terms of number included tests with 15.62, medicine with 9.06 and equipment with 7.81 services. The results of the study in the field of direct and indirect medical costs showed that for 300 patients, a total of 11,117 services were provided, with an average of 37.03 services, which is a total of more than 1766.4 million Rials total costs and an average of more than 8 million per The patient has become the cost of imposing the individual and the health system.

The highest average cost in these patients was related to absenteeism with a total cost of 2116.4 million Rials, the highest economic burden.

**Conclusion:** The total direct medical cost was 1766.4 million Rials, the total indirect medical cost was 31.79 ,million Rials and the direct non-medical costs were 2227.84 million Rials. The highest cost was non-medical direct costs.f

**Key words:** Cost of treatment, economic losses, Corona virus, Ardabil