

Burden of Severe COVID-19 in Center of Iran: Results of Disability-Adjusted Life Years (DALYs)

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Abstract : Introduction: The outbreak of Covid-19 disease is an international public health concern. Therefore, the analysis of information related to mortality and disability due to COVID-19 is considered important, so the present study was designed and conducted with the aim of assessing COVID-19 Disability-Adjusted Life Years (DALYs) in Yazd. Methods: In Yazd province, all suspected cases of Covid-19 that would be referred to central hospitals in order to get confirmed through PCR or CT scan tests were recruited to our study. The fatality data of Covid- 19 was gathered from the forensic medicine organization. The Disability-Adjusted Life Years (DALYs) combines in one measure years of life lost (YLL), the loss of healthy life due to premature mortality and years of life lived with disability (YLD), the loss of healthy life because of disease and disability. Results: The total burden of COVID-19 was 23,472 years. The number of years lost due to premature death was 23385 and the number of years of life with disability due to COVID-19 was estimated to be 87 years. The disease burden was 12992 years for men and 10480 years for women. The overall incidence of COVID-19 was 1411 per 100,000, of which 1419 in men and 1402 in women per 100,000. Conclusion: The outbreak of the COVID-19 pandemic affected a large population and the residents of Yazd Province lost many years of their lives due to this disease.

Keywords : DALY, covid- 19, Yazd, Iran

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