Vaccines are the most cost-effective intervention in public health as they prevent the spread of highly contagious infectious diseases (1). Because of vaccine implementation and high coverage, Measles was eradicated in 2000 (1), however the recent reappearance of measles in the United States, Europe and globally is alarming (2).

**Background**

Vaccines are the most cost-effective intervention in public health as they prevent the spread of highly contagious infectious diseases (1). Because of vaccine implementation and high coverage, Measles was eradicated in 2000 (1), however the recent reappearance of measles in the United States, Europe and globally is alarming (2).

**Results**

Qatar is preparing for the upcoming FIFA World Cup 2022 therefore maintaining high vaccine coverage is critical in preventing infectious diseases spreading during such mass gathering.

**Conclusion:** Maintaining 95% vaccine coverage rate is critical for preventing the resurgence of vaccine-preventable infectious diseases during the World Cup mass gathering in Qatar.

**Vaccine Coverage Reduces Burden of Disease**

Vaccine coverage induces community protection (Herd Immunity)

Measles Vaccines Redurgence due to Reduced Vaccine Coverage

The resurgence of Measles, Diphtheria and Mumps is due to a reduction in vaccine coverage and herd immunity. Vaccine hesitant parents, antivaxxers, and fake news on vaccines are driving the surge in those infectious diseases. The World Health Organization issued the Global Vaccine and Immunization Action Plan to reiterate the importance of vaccine implementation and coverage for several vaccine-preventable infectious diseases in the world.

**Methods:** Literature search for vaccine coverage rates, resurgence of vaccine preventable infectious diseases and risks of mass gatherings.

**References**