

Data analytics with cognos

Group 2

Project: COVID 19 vaccine

1. **Vaccine Types:**

Multiple COVID-19 vaccines have been developed using different technologies, including mRNA (e.g., Pfizer-BioNTech, Moderna), viral vector (e.g., AstraZeneca, Johnson & Johnson), and protein subunit (e.g., Novavax) vaccines.

2. **Development Process:**

The development process typically involves preclinical studies, followed by three phases of clinical trials to assess safety and efficacy. Regulatory approvals are granted based on these trials' results.

3. **Distribution:**

Distribution has been a significant challenge. Many countries have initiated vaccination campaigns to immunize their populations. COVAX, a global initiative, aims to ensure equitable vaccine access worldwide.

4. **Booster Shots:**

Over time, booster shots have been recommended to maintain immunity and combat variants of the virus.

5. **Vaccine Hesitancy:**

Vaccine hesitancy and misinformation have been obstacles in some regions, leading to efforts to educate the public on the safety and importance of vaccination.

6. **Global Impact:**

Vaccination has been a critical tool in reducing the spread of the virus and lessening the severity of illness. It's a key component of the global strategy to end the pandemic. If you have specific questions or need more detailed information, feel free to ask!