



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Project (Spring 2021)

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Section

Master

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Project Risk Management

Instructions:

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THE RISK MANAGEMENT PLAN FOR COVID-19 VACCINE

1. Introduction

Project risk is an uncertain event; it has one or a lot of impact on the project objectives. The project's goal is intended to be a living document to make all efforts that contribute to limiting the rise in injuries COVID-19, as we work toward the quantitative risk analysis process, to analyze the probability of each risk and its effect on project objectives, as well as the scope project risk and Identify risks requiring the most attention.

2. Literature Review

2.1 Risk

Project risk is an uncertain event or situation that, if it occurs, has an impact on at least one project aim. [1] The aim can include scope, schedule, quality, and cost. A risk may have one or more reasons and, if it happens, it may have one or more effects.

2.2 Plan Risk Management

Planning meetings and analysis. During these meetings, the essential plans for performing risk management activities will be discussed and specified, and then documented in the risk management plan. Which are held with project team members, stakeholders, managers, and others who may have to share in the risk management process.

3. Methodology

This research indicates the Impact of risk on Project Success. This paper begins with a general theoretical framework about risk and Plan Risk Management. Then, discussion among the team members to identify project risks and carry out an analysis of selected risks.

Table 1: List of Potential Risks and Identify the impact and probability

Risk	Description	Probability	Impact
A	Critical coronavirus (COVID-19) cases	0.3	0.9
B	Older people and children can be infected	0.7	0.8
C	Coronavirus infection	0.4	0.9
D	Anaphylaxis (a severe life-threatening reaction requiring immediate medical attention)	0.1	0.7
E	Vaccination errors in the context of mass vaccination campaigns (errors associated with multidose vials)	0.1	0.9
F	Vaccine-associated enhanced disease (patients diagnosed with ARDS)	0.1	0.6
G	Previous health condition (like hypertension, obesity, chronic diseases of the lung, diabetes mellitus)	0.3	0.5

Probability	0.7-1	high	high	medium
	0.3-0.69	high	medium	low
	0-0.29	medium	low	low
		0.7-1	0.3-0.69	0-0.29
		Impact		

Figure 1: Risks Matrix

Table 2: Response plan and Mitigate action for risks list

Risk	Probability	Impact	Severity	Response plan	Mitigate Action
A	0.3	0.9	High	Have to face confirmed COVID-19 cases and provide support to those who require intensive care	Record violations against coronavirus preventative measures
B	0.7	0.8	High	We advise people to take steps to keep themselves from the virus, for example by following good hand hygiene	Curfew against COVID-19
C	0.4	0.9	High	An infection prevention and control program at the national and facility level with a dedicated and trained team	Curfew against COVID-19
D	0.1	0.7	Medium	All patients should be instructed to order immediate medical care if they develop signs or symptoms while waiting at the vaccination place	Patients should be transferred to the emergency department to receive appropriate medical care

E	0.1	0.9	Medium	Instructions on vaccination schemes are provided in Section	Traceability and vaccination reminder programs are provided
F	0.1	0.6	Low	Closely monitor respiratory rate, signs of hyperventilation at regular time intervals	Requires early recognition and comprehensive management to diagnostic tests and clinical severity of illness grading
G	0.3	0.5	Medium	The vaccine should be targeted to priority groups like people who have a previous health condition which is the underlying condition for COVID-19	Enable peoples to apply for vaccine through Health Ministry's Sehhaty app

4. Results

Here we are going to calculate the EMV. The potential impact of the risk as well as the likelihood that the risk will occur. This is reflected in the last column. The total contingency request for this project is 2,400,000 SR which could be added to your budget as risk contingency.

Table 3: Expected Monetary Value (EMV)

RISK	Probability	Impact cost SR	Risk Contingency
A	0.3	2,500,000	750,000
B	0.7	800,000	560,000
C	0.4	1,800,000	720,000
D	0.1	20,000	2,000
E	0.1	480,000	48,000
F	0.1	500,000	50,000
G	0.3	900,000	270,000
Total		7,000,000	2,400,000

5. Discussion

The Vaccine center COVID-19 in King Abdulaziz University will always dedicate everything that serves the country and society. the environment will keep being rich with the Crucial lessons learned from the H1N1 pandemic vaccine distribution in 2009 informed our COVID-19 vaccine plan that confronts the crisis. [2] We using the quantitative risk analysis technique for the risk management for the COVID-19 vaccine to help quantify and compare risks in many aspects of the project, to understand and help quantify and compare risks in many aspects of the project, and to plan effective control strategies. which also the planning team will add detail and make changes to the plan as more information becomes available. which clarifies the efforts in helping and contributing to fight the pandemic and preserve the society.

6. Reference

- [1] Von Wangenheim, C. G., da Silva, D. A., Buglione, L., Scheidt, R., & Prikladnicki, R. (2010). Best practice fusion of CMMI-DEV v1. 2 (PP, PMC, SAM) and PMBOK 2008. *Information and software technology*, 52(7), 749-757.

- [2] Jamieson, D. J., Honein, M. A., Rasmussen, S. A., Williams, J. L., Swerdlow, D. L., Biggerstaff, M. S., ... & Olsen, S. J. (2009). H1N1 2009 influenza virus infection during pregnancy in the USA. *The Lancet*, 374(9688), 451-458.