Study 3

*Drinking water contamination*

A refinery leak polluted the surrounding soil and water, which resulted in children from nearby villages suffering from a rare disease. Drugs for this disease have been developed and tested, and different medical options are available.

Imagine that you are an expert who is very influential among local hospitals. Which of the following options would you favor? Assume that the estimates are as follows:

*饮用水污染*

由于炼油厂水槽泄漏，周边土壤和饮用水都受到了污染，邻近村庄的若干名儿童因为此患上了一种罕见的疾病。针对这种疾病的药物已经开发和测试，现有不同的医疗方案可供选择。

假如你是一名对当地医院有很大影响力的专家，你将决定到底选择哪种医疗方案。

*EV ratio approximately 0.8*

There are 32 children suffering from the disease.

一共有32名儿童患病

Type 1 (Classic):

Option A: If the drug is used, the health of 10 children will be saved for sure.

Option B: If the drug is used, there is a 25% probability that the health of all of the 32 children will be saved, and a 75% probability that the health of none the 32 children will be saved.

Option C: If the drug is used, the health of 22 children will be damaged for sure.

Option D: If the drug is used, there is a 75% probability that the health of all of 32 children will be damaged, and a 25% probability that the health of none of the 32 children will be damaged.

Type1:

A: 如果实施该方案，有10名儿童的健康确定会被挽救。

B: 如果实施该方案，有25%的可能性所有32名儿童的健康都会被挽救，有75%的可能性所有32名儿童的健康都不会被挽救。

C. 如果实施该方案，有22名儿童的健康确定会被损害。

D. 如果实施该方案，有75%的可能性所有32名儿童的健康都会被损害，有25%的可能性所有32名儿童的健康都不会被损害。

Type 2:

Option A: If the drug is used, the health of 10 children will be saved for sure.

Option B: If the drug is used, there is a 25% probability that the health of all of the 32 children will be saved.

Option C: If the drug is used, the health of 22 children will be damaged for sure.

Option D: If the drug is used, there is a 75% probability that the health of all of 32 children will be damaged.

Type 2:

A: 如果实施该方案，有10名儿童的健康确定会被挽救。

B: 如果实施该方案，有25%的可能性所有32名儿童的健康都会被挽救。

C. 如果实施该方案，有22名儿童的健康确定会被损害。

D. 如果实施该方案，有75%的可能性所有32名儿童的健康都会被损害。

Type 3:

Option A: If the drug is used, the health of 10 children will be saved for sure.

Option B: If the drug is used, there is a 75% probability that the health of none the 32 children will be saved.

Option C: If the drug is used, the health of 22 children will be damaged for sure.

Option D: If the drug is used, there is a 25% probability that the health of none of the 32 children will be damaged.

Type 3:

A: 如果实施该方案，有10名儿童的健康确定会被挽救。

B: 如果实施该方案，有75%的可能性所有32名儿童的健康都不会被挽救。

C. 如果实施该方案，有22名儿童的健康确定会被损害。

D. 如果实施该方案，有25%的可能性所有32名儿童的健康都不会被损害。

*EV ratio approximately 1*

There are 40 children suffering from the disease.

一共有40名儿童患病

Type 1 (Classic):

Option A: If the drug is used, the health of 10 children will be saved for sure.

Option B: If the drug is used, there is a 25% probability that the health of all of the 40 children will be saved, and a 75% probability that the health of none the 40 children will be saved.

Option C: If the drug is used, the health of 30 children will be damaged for sure.

Option D: If the drug is used, there is a 75% probability that the health of all of 40 children will be damaged, and a 25% probability that the health of none of the 40 children will be damaged.

Type1:

A: 如果实施该方案，有10名儿童的健康确定会被挽救。

B: 如果实施该方案，有25%的可能性所有40名儿童的健康都会被挽救，有75%的可能性所有40名儿童的健康都不会被挽救。

C. 如果实施该方案，有30名儿童的健康确定会被损害。

D. 如果实施该方案，有75%的可能性所有40名儿童的健康都会被损害，有25%的可能性所有40名儿童的健康都不会被损害。

Type 2:

Option A: If the drug is used, the health of 10 children will be saved for sure.

Option B: If the drug is used, there is a 25% probability that the health of all of the 40 children will be saved.

Option C: If the drug is used, the health of 30 children will be damaged for sure.

Option D: If the drug is used, there is a 75% probability that the health of all of 40 children will be damaged.

Type 2:

A: 如果实施该方案，有10名儿童的健康确定会被挽救。

B: 如果实施该方案，有25%的可能性所有40名儿童的健康都会被挽救。

C. 如果实施该方案，有30名儿童的健康确定会被损害。

D. 如果实施该方案，有75%的可能性所有40名儿童的健康都会被损害.

Type 3:

Option A: If the drug is used, the health of 10 children will be saved for sure.

Option B: If the drug is used, there is a 75% probability that the health of none of the 40 children will be saved.

Option C: If the drug is used, the health of 30 children will be damaged for sure.

Option D: If the drug is used, there is a 25% probability that the health of none of the 40 children will be damaged.

Type 3:

A: 如果实施该方案，有10名儿童的健康确定会被挽救。

B: 如果实施该方案，有75%的可能性所有40名儿童的健康都不会被挽救。

C. 如果实施该方案，有30名儿童的健康确定会被损害。

D. 如果实施该方案，有25%的可能性所有40名儿童的健康都不会被损害。

*EV ratio approximately 1.2*

There are 48 children suffering from the disease.

一共有48名儿童患病

Type 1 (Classic):

Option A: If the drug is used, the health of 10 children will be saved for sure.

Option B: If the drug is used, there is a 25% probability that the health of all of the 48 children will be saved, and a 75% probability that the health of none the 48 children will be saved.

Option C: If the drug is used, the health of 38 children will be damaged for sure.

Option D: If the drug is used, there is a 75% probability that the health of all of 48 children will be damaged, and a 25% probability that the health of none of the 48 children will be damaged.

Type1:

A: 如果实施该方案，有10名儿童的健康确定会被挽救。

B: 如果实施该方案，有25%的可能性所有48名儿童的健康都会被挽救，有75%的可能性所有48名儿童的健康都不会被挽救。

C. 如果实施该方案，有38名儿童的健康确定会被损害。

D. 如果实施该方案，有75%的可能性所有48名儿童的健康都会被损害，有25%的可能性所有48名儿童的健康都不会被损害。

Type 2:

Option A: If the drug is used, the health of 10 children will be saved for sure.

Option B: If the drug is used, there is a 25% probability that the health of all of the 48 children will be saved.

Option C: If the drug is used, the health of 38 children will be damaged for sure.

Option D: If the drug is used, there is a 75% probability that the health of all of 48 children will be damaged.

Type 2:

A: 如果实施该方案，有10名儿童的健康确定会被挽救。

B: 如果实施该方案，有25%的可能性所有48名儿童的健康都会被挽救。

C. 如果实施该方案，有38名儿童的健康确定会被损害。

D. 如果实施该方案，有75%的可能性所有48名儿童的健康都会被损害。

Type 3:

Option A: If the drug is used, the health of 10 children will be saved for sure.

Option B: If the drug is used, there is a 75% probability that the health of none the 48 children will be saved.

Option C: If the drug is used, the health of 38 children will be damaged for sure.

Option D: If the drug is used, there is a 25% probability that the health of none of the 48 children will be damaged.

Type 3:

A: 如果实施该方案，有10名儿童的健康确定会被挽救。

B: 如果实施该方案，有75%的可能性所有48名儿童的健康都不会被挽救。

C. 如果实施该方案，有38名儿童的健康确定会被损害。

D. 如果实施该方案，有25%的可能性所有48名儿童的健康都不会被损害。