**Appendix A:** Questionnaire design

Suppose that you are behind two patients (A and B) that need treatments; however because of scarcity of resources you can only treat one of the patients. Imagine that both patients have the same characteristics except the one thing provided in each scenario. Please indicate your decision in accordance with the following degree of preference:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **-3** | **-2** | **-1** | **0** | **1** | **2** | **3** |
| Definitely give priority to **patient A** | Strongly prefer **patient A** | Some preference for **patient A** | No preference | Some preference for **patient B** | Strongly prefer **patient B** | Definitely give priority to **patient B** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Description of Patient A**  **health condition** | | | |  | **Description of Patient B**  **health condition** | | | | **Rationing principle under analysis\*** |
|  | **-3** | **-2** | **-1** | **0** | **1** | **2** | **3** |  |  |
| Is 60 years old |  |  |  |  |  |  |  | Is 10 years old | Ageism\_old |
| Has a moderately painful disease |  |  |  |  |  |  |  | Has a very painful disease | Severity as pain |
| Has been on a queue for treatment for 1 month |  |  |  |  |  |  |  | Has been on a queue for treatment for 6 months | Waiting time |
| Is an alcoholic with liver failure |  |  |  |  |  |  |  | Is an average person with the same liver disease | Negative merit |
| Is an average person |  |  |  |  |  |  |  | Is a person who gave contribution to the society (ex. Scientist studying the cure for cancer) | Positive merit |
| Has 20% chance to live longer than 5 years with this treatment |  |  |  |  |  |  |  | Has 40% chance to live longer than 5 years with this treatment | Life expectancy |
| Single person without dependents |  |  |  |  |  |  |  | Parent of three children under age 18 | Parenthood |
| Will die within 15 days without the treatment |  |  |  |  |  |  |  | Will die within 2 days without the treatment | Severity as immediate risk of death |
| Has 80 years old |  |  |  |  |  |  |  | Has 40 years old | Ageism\_old |
| With the treatment quality of life would have a little improvement (from poor to fair) |  |  |  |  |  |  |  | With the treatment quality of life would modestly improve (from poor to good) | Quality of Life |
| Entered a queue for treatment today |  |  |  |  |  |  |  | Has been on a queue for treatment for 1 month | Waiting time |
| Is a user of illegal drugs |  |  |  |  |  |  |  | Is na average person | Negative merit |
| Has a painless disease |  |  |  |  |  |  |  | Has a very painful disease | Severity as pain |
| Has 20% chance to live longer than 5 years with this treatment |  |  |  |  |  |  |  | Has 80% chance to live longer than 5 years with this treatment | Life expectancy |
| Is married without children |  |  |  |  |  |  |  | Is married and has three school-aged children | Parenthood |
| Has 80 years old |  |  |  |  |  |  |  | Has 20 years old | Ageism\_old |
| Will die within 1 month without the treatment |  |  |  |  |  |  |  | Will die within 1 week without the treatment | Severity as immediate risk of death |
| With the treatment quality of life would have a little improvement (from poor to fair) |  |  |  |  |  |  |  | With the treatment quality of life would substantially improve (from poor to very good) | Quality of life |
| Has been infected with HIV from unsafe sex or illegal drug use |  |  |  |  |  |  |  | Has accidentally been infected with HIV by receiving a blood transfusion from a hospital | Negative merit |
| Has 25 years old |  |  |  |  |  |  |  | Has 10 years old | Ageism\_young |
| Entered a queue for treatment today |  |  |  |  |  |  |  | Has been on a queue for treatment for 6 month | Waiting time |
| Is an average person |  |  |  |  |  |  |  | Participated in the rescue of refugees in the Mediterranean. | Positive merit |
| Is a 10 year old child |  |  |  |  |  |  |  | Is a newborn | Ageism\_young |

Note: \*column presented here to increase readers understanding. This information was not revealed to respondents.

**Appendix B.**

Table B1. Total Frequency of Answers for Choosing Patient A, Undecided, and Patient B

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | Patient A (%) | Undecided (%) | Patient B (%) |
| Ageism\_old | |  |  |  |
|  | 60 ys vs. 10 ys. | 8.3 | 35.8 | 56.0 |
|  | 80 ys. vs. 40 ys. | 9.2 | 31.12 | 59.6 |
|  | 80 ys. vs. 20 ys. | 12.8 | 23.9 | 63.3 |
| Ageism\_young | |  |  |  |
|  | 25 ys. vs. 10 ys. | 5.5 | 47.7 | 46.8 |
|  | 10 ys. vs. new-born | 18.3 | 56.9 | 24.8 |
| Life expectancy | |  |  |  |
|  | 20% vs. 40% chance | 6.4 | 34.9 | 58.7 |
|  | 20% vs. 80% chance | 7.3 | 26.6 | 66.1 |
| Quality of life | |  |  |  |
|  | Little vs. modest improvement | 3.7 | 44.0 | 52.3 |
|  | Little vs. substantial improvement | .9 | 38.5 | 60.6 |
| Waiting time | |  |  |  |
|  | 1 month vs. 6 months | 7.3 | 22.9 | 69.7 |
|  | today vs. 1 month | 1.8 | 27.5 | 70.6 |
|  | today vs. 6 months | 1.8 | 26.6 | 71.6 |
| Pain | |  |  |  |
|  | moderate vs. very painful | 6.4 | 13.8 | 79.8 |
|  | painless vs. very painful | 3.7 | 25.7 | 70.6 |
| Imminence of death | |  |  |  |
|  | die in 15 vs. 2 days | 13.8 | 53.2 | 33.0 |
|  | die in 1 month vs. 1 week | 2.8 | 42.2 | 55.0 |
| Positive merit | |  |  |  |
|  | average person vs. contribution to society (science) | 4.6 | 69.7 | 25.7 |
|  | average person vs.  social contribution | 6.4 | 71.6 | 22.0 |
| Negative merit | |  |  |  |
|  | person with alcohol use disorder vs. average person | 1.8 | 35.8 | 62.4 |
|  | person with substance use disorder vs. average person | 2.8 | 36.7 | 60.6 |
|  | HIV patient, unsafe sex vs. HIV patient, blood transfusion | 2.8 | 49.5 | 47.7 |
| Parenthood | |  |  |  |
|  | Single, childless vs. parent of three | 1.8 | 46.8 | 51.4 |
|  | Married, childless vs. married, parent of three | 1.8 | 46.8 | 51.4 |

**Note:** Min = Minimum value, Max = Maximum value, Undec. = undecided, M = Mean, SD = Standard deviation,

SK = Skewness, Ku = Kurtosis