

## SUPPLEMENTARY MATERIALS

## Appendix 1 – SEARCH STRATEGY

Database	Search Strategy	Results
PubMed	("Patient Preference"[Mesh] OR "Sociological Factors"[Mesh] OR "Disease Attributes"[Mesh]) AND "Precision Medicine"[Mesh] AND "Neoplasms"[Mesh] NOT "Sequence Analysis, DNA"[Mesh] NOT "Next-Generation Sequencing"	919
Science Direct	title-abs-key ((Preference OR Attribute OR discrete choice experiment) AND (Precision Medicine OR personalized medicine) AND (Neoplasm OR cancer))	214
Cochrane Library	<p>ID Search</p> <p>#1 ("preference" OR "attribute"):ti,ab,kw AND ("precision medicine" OR "personalized medicine"):ti,ab,kw AND ("Neoplasm" OR "cancer"):ti,ab,kw NOT ("Sequence Analysis, DNA"):ti,ab,kw NOT ("next generation sequencing" OR "next-Generation Sequencing"):ti,ab,kw (Word variations have been searched)</p> <p>#2 MeSH descriptor: [Patient Preference] explode all trees</p> <p>#3 MeSH descriptor: [Disease Attributes] explode all trees</p> <p>#4 MeSH descriptor: [Precision Medicine] explode all trees</p> <p>#5 MeSH descriptor: [Precision Medicine] explode all trees</p> <p>#6 MeSH descriptor: [Precision Medicine] explode all trees</p> <p>#7 MeSH descriptor: [Neoplasms] explode all trees</p> <p>#8 MeSH descriptor: [Neoplasms] explode all trees</p> <p>#9 MeSH descriptor: [Sequence Analysis, DNA] explode all trees</p> <p>#10 MeSH descriptor: [High-Throughput Nucleotide Sequencing] explode all trees</p> <p>#11 MeSH descriptor: [High-Throughput Nucleotide Sequencing] explode all trees</p> <p>#12 #2 OR #3</p> <p>#13 #12 AND #4 AND #7 NOT #9 NOT #10</p> <p>#14 #12 AND #4 AND #7</p>	23

**Appendix 2.**

**Survey 1:**

If you have 2 options to choose for the cancer treatment, which one will you prefer? (please tick below box)

<b>Treatment characteristics</b>	<b>Option A</b>	<b>Option B</b>
Access to treatment	Not easy	Easy
Change in Quality of life	Increase	Increase
Effect on life expectancy	Between a loss of 6 months to a gain of 2.5 years, average gain of 1 year	Between a gain of 0 years and a gain of 8 years, average gain of 4 years
Out-of-pocket in 6 months	\$1,000	\$2,000

Prefer Treatment option A

Prefer Treatment option B

<b>Treatment characteristics</b>	<b>Option A</b>	<b>Option B</b>
Access to treatment	Not easy	Easy
Change in Quality of life	Increase	No change
Effect on life expectancy	Between a loss of 3 months to a gain of 9 months, average gain of 6 months	Between a gain of 6 months to a gain of 1.5 years, average gain of 1 year
Out-of-pocket in 6 months	\$1,300	\$1,300

Prefer Treatment option A

Prefer Treatment option B

<b>Treatment characteristics</b>	<b>Option A</b>	<b>Option B</b>
Access to treatment	Easy	Easy
Change in Quality of life	Increase	No change
Effect on life expectancy	Between a loss of 6 months to a gain of 2.5 years, average gain of 1 year	Between a gain of 2 years and a gain of 6 years, average gain of 4 years
Out-of-pocket in 6 months	\$1,600	\$2,000

Prefer Treatment option A

Prefer Treatment option B

**Survey 2:**

If you have 2 options to choose for the cancer treatment, which one will you prefer? (please tick below box)

Treatment characteristics	Option A	Option B
Access to treatment	Easy	Not easy
Change in Quality of life	No change	No change
Effect on life expectancy	Between a gain of 1 month to a gain of 5 months, average gain of 3 months	Between a loss of 3 months to a gain of 9 months, average gain of 6 months
Out-of-pocket in 6 months	\$1,000	\$1,300

Prefer Treatment option A

Prefer Treatment option B

Treatment characteristics	Option A	Option B
Access to treatment	Not Easy	Not easy
Change in Quality of life	No change	Increase
Effect on life expectancy	Between a loss of 6 months to a gain of 2.5 years, average gain of 1 year	Between a gain of 2 years and a gain of 6 years, average gain of 4 years
Out-of-pocket in 6 months	\$1,300	\$2,000

Prefer Treatment option A

Prefer Treatment option B

Treatment characteristics	Option A	Option B
Access to treatment	Not easy	Not easy
Change in Quality of life	Increase	Increase
Effect on life expectancy	Between a gain of 1 month to a gain of 5 months, average gain of 3 months	Between a gain of 0 years and a gain of 8 years, average gain of 4 years
Out-of-pocket in 6 months	\$1,000	\$1,600

Prefer Treatment option A

Prefer Treatment option B

**Survey 3:**

If you have 2 options to choose for the cancer treatment, which one will you prefer? (please tick below box)

Treatment characteristics	Option A	Option B
Access to treatment	Easy	Easy
Change in Quality of life	Increase	No change
Effect on life expectancy	Between a loss of 6 months to a gain of 2.5 years, average gain of 1 year	Between a gain of 1 month to a gain of 5 months, average gain of 3 months
Out-of-pocket in 6 months	\$2,000	\$1,600

Prefer Treatment option A

Prefer Treatment option B

Treatment characteristics	Option A	Option B
Access to treatment	Easy	Easy
Change in Quality of life	No change	No change
Effect on life expectancy	Between a loss of 3 months to a gain of 9 months, average gain of 6 months	Between a gain of 0 years and a gain of 8 years, average gain of 4 years
Out-of-pocket in 6 months	\$1,300	\$1,000

Prefer Treatment option A

Prefer Treatment option B

Treatment characteristics	Option A	Option B
Access to treatment	Easy	Not easy
Change in Quality of life	Increase	No change
Effect on life expectancy	Between a gain of 1 month to a gain of 5 months, average gain of 3 months	Between a gain of 2 years and a gain of 6 years, average gain of 4 years
Out-of-pocket in 6 months	\$2,000	\$1,600

Prefer Treatment option A

Prefer Treatment option B

**Survey 4:**

If you have 2 options to choose for the cancer treatment, which one will you prefer? (please tick below box)

Treatment characteristics	Option A	Option B
Access to treatment	Not easy	Easy
Change in Quality of life	Increase	No change
Effect on life expectancy	Between a gain of 2 years and a gain of 6 years, average gain of 4 years	Between a loss of 6 months to a gain of 2.5 years, average gain of 1 year
Out-of-pocket in 6 months	\$1,600	\$1,000

Prefer Treatment option A

Prefer Treatment option B

Treatment characteristics	Option A	Option B
Access to treatment	Not easy	Not easy
Change in Quality of life	No change	No change
Effect on life expectancy	Between a loss of 3 months to a gain of 9 months, average gain of 6 months	Between a gain of 6 months to a gain of 1.5 years, average gain of 1 year
Out-of-pocket in 6 months	\$1,000	\$2,000

Prefer Treatment option A

Prefer Treatment option B

Treatment characteristics	Option A	Option B
Access to treatment	Not easy	Easy
Change in Quality of life	Increase	Increase
Effect on life expectancy	Between a gain of 0 years and a gain of 8 years, average gain of 4 years	Between a gain of 6 months to a gain of 1.5 years, average gain of 1 year
Out-of-pocket in 6 months	\$1,600	\$1,300

Prefer Treatment option A

Prefer Treatment option B