

## Supplementary material

### Community views on factors affecting medicines resource allocation: cross-sectional survey of 3080 adults in Australia

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**Table S1. Results of Multinomial Model**

Explanatory variables	Outcome variables: respondents first choice ranking of the below prioritisation criteria compared to those that ranked disease severity as the top priority (referent group, n= 1213)										
	Children ORs (95% CIs)  n= 405	No alternate medicine ORs (95% CIs)  n= 266	Cancer diseases ORs (95% CIs)  n= 280	Not financially well off ORs (95% CIs)  n= 204	Cost to the PBS ORs (95% CIs)  n= 139	Productivity - patient unable to work without treatment ORs (95% CIs)  n= 133	Carer burden ORs (95% CIs)  n= 110	Life style unrelated diseases ORs (95% CIs)  n= 109	Innovative medicine ORs (95% CIs)  n= 107	End of life therapies ORs (95% CIs)  n= 63	Rare diseases ORs (95% CIs)  n= 51
<b>Gender (p= 0.36)</b>											
Male	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)
Female	0.96 (0.75-1.22)	1.48 (1.12-1.97)	1.25 (0.95-1.65)	1.07 (0.78-1.47)	1.25 (0.86-1.83)	0.95 (0.65-1.39)	1.12 (0.73-1.70)	1.03 (0.68-1.56)	1.16 (0.76-1.77)	1.05 (0.61-1.80)	0.83 (0.46-1.49)
<b>Age (p= 0.66)</b>											
18-24	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)
25-34	1.17 (0.71-1.93)	1.21 (0.71-2.06)	1.26 (0.71-2.23)	1.4 (0.78-2.52)	1.89 (0.91-3.92)	1.29 (0.62-2.69)	2.11 (0.84-5.35)	1.11 (0.51-2.43)	1.62 (0.67-3.90)	0.54 (0.23-1.24)	1.58 (0.58-4.27)
35-44	1.05 (0.64-1.74)	0.93 (0.53-1.63)	1.33 (0.76-2.34)	1.33 (0.74-2.40)	1.38 (0.64-2.96)	1.31 (0.63-2.73)	1.89 (0.74-4.85)	1.17 (0.53-2.56)	1.09 (0.43-2.73)	0.38 (0.16-0.93)	0.74 (0.24-2.28)
45-54	1.04 (0.62-1.74)	1.33 (0.77-2.31)	1.35 (0.76-2.39)	1.68 (0.93-3.04)	2.09 (1.00-4.39)	0.89 (0.40-1.98)	1.92 (0.74-5.01)	0.99 (0.43-2.24)	1.40 (0.56-3.51)	0.43 (0.17-1.08)	1.11 (0.37-3.33)
55-64	1.21 (0.69-2.10)	1.78 (0.99-3.20)	1.70 (0.91-3.16)	1.34 (0.68-2.62)	2.04 (0.90-4.63)	1.02 (0.44-2.37)	1.49 (0.52-4.24)	0.77 (0.29-2.01)	1.81 (0.69-4.77)	0.29 (0.08-1.03)	0.59 (0.15-2.33)
65+	1.31 (0.69-2.48)	1.22 (0.60-2.50)	1.52 (0.74-3.12)	0.90 (0.39-2.11)	1.10 (0.42-2.91)	1.37 (0.51-3.66)	1.28 (0.39-4.21)	0.61 (0.20-1.82)	0.66 (0.19-2.27)	0.54 (0.12-2.50)	0.54 (0.10-2.99)
<b>Marital status (p= 0.14)</b>											
Married /de facto	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)
Separated/ divorced/ widowed	1.27 (0.90-1.79)	0.90 (0.58-1.41)	0.75 (0.48-1.16)	0.92 (0.55-1.51)	0.89 (0.49-1.59)	1.08 (0.60-1.93)	0.77 (0.40-1.48)	1.02 (0.52-1.98)	1.20 (0.64-2.26)	0.48 (0.14-1.64)	0.99 (0.38-2.59)
Never married	0.66 (0.45-0.95)	1.37 (0.93-2.00)	1.15 (0.78-1.70)	1.20 (0.79-1.81)	1.42 (0.87-2.35)	0.85 (0.50-1.44)	0.67 (0.37-1.22)	1.48 (0.84-2.60)	0.87 (0.47-1.61)	1.17 (0.58-2.37)	0.80 (0.37-1.72)

Explanatory variables	Outcome variables: respondents first choice ranking of the below prioritisation criteria compared to those that ranked disease severity as the top priority (referent group, n= 1213)										
	Children ORs (95% CIs) n= 405	No alternate medicine ORs (95% CIs) n= 266	Cancer diseases ORs (95% CIs) n= 280	Not financially well off ORs (95% CIs) n= 204	Cost to the PBS ORs (95% CIs) n= 139	Productivity - patient unable to work without treatment ORs (95% CIs) n= 133	Carer burden ORs (95% CIs) n= 110	Life style unrelated diseases ORs (95% CIs) n= 109	Innovative medicine ORs (95% CIs) n= 107	End of life therapies ORs (95% CIs) n= 63	Rare diseases ORs (95% CIs) n= 51
<b>Education (p= 0.47)</b>											
Never attended/ primary or some high school/ preferred not to answer	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)
Completed high school	0.95 (0.64-1.42)	1.04 (0.64-1.67)	0.87 (0.57-1.34)	1.33 (0.75-2.34)	1.12 (0.62-2.04)	0.81 (0.38-1.69)	1.42 (0.67-3.01)	0.60 (0.29-1.22)	0.77 (0.35-1.69)	0.73 (0.30-1.78)	1.08 (0.40-2.94)
Uni/Tafe	0.95 (0.67-1.34)	1.05 (0.69-1.59)	0.69 (0.47-1.01)	1.82 (1.11-2.99)	1.06 (0.63-1.79)	1.30 (0.71-2.41)	1.52 (0.78-2.94)	0.77 (0.43-1.37)	0.96 (0.50-1.85)	0.77 (0.35-1.71)	0.98 (0.40-2.41)
<b>General Health (p= 0.06)</b>											
Very good	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)
Good	1.14 (0.83-1.57)	1.01 (0.71-1.45)	1.47 (1.00-2.16)	1.90 (1.13-3.2)	2.25 (1.19-4.26)	1.25 (0.76-2.04)	1.06 (0.61-1.86)	0.62 (0.38-1.03)	0.69 (0.43-1.12)	1.55 (0.72-3.31)	1.03 (0.48-2.19)
Average	1.03 (0.72-1.47)	0.84 (0.55-1.27)	1.25 (0.81-1.92)	2.33 (1.35-4.01)	2.18 (1.11-4.28)	1.02 (0.57-1.82)	1.16 (0.63-2.13)	0.85 (0.49-1.46)	0.48 (0.26-0.88)	1.40 (0.60-3.27)	0.88 (0.37-2.11)
Poor/very poor	0.84 (0.48-1.47)	0.86 (0.46-1.63)	1.31 (0.71-2.42)	2.40 (1.20-4.79)	3.12 (1.39-7.02)	1.22 (0.53-2.83)	1.40 (0.60-3.27)	0.10 (0.01-0.76)	0.45 (0.15-1.36)	1.63 (0.47-5.68)	0.56 (0.12-2.75)
<b>Family cancer history (p= 0.86)</b>											
Cancer history with death	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)
Cancer history- no death or death	1.20 (0.86-1.67)	0.79 (0.53-1.17)	0.81 (0.55-1.20)	0.81 (0.51-1.28)	0.81 (0.46-1.42)	0.92 (0.53-1.61)	0.59 (0.30-1.14)	0.75 (0.39-1.44)	1.17 (0.66-2.09)	1.27 (0.60-2.69)	1.50 (0.65-3.48)

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unknown											
No cancer history	1.00 (0.77-1.29)	0.73 (0.54-0.99)	0.78 (0.58-1.04)	0.78 (0.56-1.08)	1.00 (0.68-1.48)	1.03 (0.69-1.55)	0.85 (0.56-1.31)	1.00 (0.64-1.55)	0.97 (0.62-1.53)	0.99 (0.55-1.80)	1.32 (0.67-2.60)
Preferred not to answer	0.16 (0.02-1.22)	0.92 (0.30-2.83)	0.38 (0.09-1.68)	0.91 (0.25-3.24)	0.44 (0.06-3.44)	0.55 (0.07-4.28)	1.45 (0.31-6.74)	1.52 (0.40-5.73)	0.78 (0.10-6.18)	1.30 (0.26-6.4)	1.15 (0.13-9.88)
<b>Country of birth (p= 0.04)</b>											
Australia	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)
overseas	1.05 (0.81-1.37)	1.04 (0.76-1.43)	1.26 (0.93-1.70)	0.91 (0.63-1.32)	0.69 (0.43-1.11)	1.57 (1.06-2.32)	1.05 (0.66-1.65)	1.57 (1.01-2.42)	1.55 (1.00-2.39)	1.16 (0.63-2.11)	0.56 (0.26-1.23)
<b>Health Insurance (p= 0.06)</b>											
Yes	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)
No	1.08 (0.84-1.38)	0.78 (0.58-1.05)	0.95 (0.71-1.27)	1.38 (1-1.91)	1.58 (1.07-2.31)	0.78 (0.52-1.17)	1.09 (0.71-1.67)	0.88 (0.57-1.36)	0.68 (0.42-1.08)	1.14 (0.65-1.97)	0.98 (0.53-1.82)
<b>Employment status (p= 0.04)</b>											
Full time	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)
Part time	1.13 (0.79-1.60)	1.00 (0.67-1.48)	0.90 (0.60-1.35)	1.24 (0.78-1.97)	1.37 (0.79-2.35)	0.88 (0.51-1.5)	1.02 (0.57-1.84)	1.10 (0.63-1.93)	0.59 (0.32-1.07)	0.46 (0.20-1.05)	0.19 (0.05-0.66)
Not working	1.52 (1.00-2.30)	0.97 (0.59-1.62)	0.87 (0.53-1.44)	1.30 (0.76-2.22)	1.09 (0.56-2.13)	0.78 (0.38-1.58)	0.50 (0.20-1.28)	0.62 (0.29-1.35)	0.51 (0.22-1.18)	0.85 (0.38-1.92)	1.18 (0.48-2.86)
Retired	1.16 (0.71-1.88)	0.96 (0.55-1.67)	1.14 (0.66-1.94)	0.90 (0.46-1.76)	1.75 (0.86-3.55)	0.46 (0.20-1.05)	1.22 (0.54-2.79)	1.64 (0.71-3.8)	0.77 (0.33-1.79)	0.36 (0.09-1.5)	0.59 (0.15-2.32)
Other	1.27 (0.82-1.96)	0.85 (0.50-1.43)	0.72 (0.43-1.23)	1.72 (1.02-2.87)	0.95 (0.47-1.92)	1.00 (0.51-1.97)	1.35 (0.68-2.69)	0.15 (0.03-0.63)	0.46 (0.19-1.12)	0.65 (0.25-1.67)	0.38 (0.11-1.4)

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<b>Household income (p= 0.45)</b>											
\$0 to 20,000	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)
\$20,001 to 40,000	1.14 (0.69-1.90)	1.71 (0.88-3.31)	0.71 (0.42-1.21)	0.86 (0.49-1.52)	0.63 (0.32-1.21)	1.02 (0.46-2.26)	0.60 (0.25-1.44)	0.76 (0.34-1.74)	0.75 (0.29-1.96)	2.34 (0.63-8.80)	2.14 (0.56-8.12)
\$40,001 to 80,000	1.08 (0.65-1.79)	1.53 (0.79-2.97)	0.54 (0.31-0.92)	0.86 (0.49-1.51)	0.61 (0.31-1.19)	0.65 (0.29-1.46)	0.96 (0.42-2.18)	0.64 (0.28-1.44)	0.78 (0.31-1.95)	1.67 (0.45-6.16)	1.25 (0.32-4.85)
\$80,001 and over	1.03 (0.60-1.75)	1.60 (0.81-3.18)	0.72 (0.41-1.26)	0.66 (0.35-1.24)	0.81 (0.39-1.67)	0.87 (0.38-1.98)	0.78 (0.32-1.89)	0.54 (0.23-1.29)	0.67 (0.25-1.74)	1.64 (0.43-6.30)	0.99 (0.24-4.13)
Preferred not to answer	1.15 (0.65-2.02)	1.15 (0.54-2.41)	0.99 (0.56-1.76)	0.74 (0.38-1.43)	0.92 (0.44-1.91)	0.78 (0.32-1.90)	0.42 (0.15-1.22)	0.86 (0.36-2.09)	0.32 (0.09-1.09)	1.56 (0.38-6.44)	0.84 (0.17-4.09)
<b>Dependent children (p= 0.0001)</b>											
Yes	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)	1 (referent)
No	0.49 (0.36-0.66)	0.98 (0.68-1.41)	0.69 (0.49-0.99)	1.24 (0.82-1.87)	0.94 (0.58-1.53)	1.38 (0.85-2.24)	1.07 (0.64-1.77)	0.72 (0.42-1.23)	0.70 (0.42-1.15)	0.58 (0.30-1.13)	1.53 (0.71-3.29)

**Abbreviation:** tafe= technical and further education; uni=university