

Supplementary Material

Manuscript title: Community pharmacist preferences for providing a dose administration aid service in Australia: a discrete choice experiment

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This supplementary material includes completion of the DIRECT checklist for reporting DCEs¹ for this manuscript:

Section Item		Page and paragraph
Purpose and rationale		
1	Describe the real-world context and decision-maker that the hypothetical choice context seeks to replicate or inform	Introduction section, paragraph 4. Methods section, 2.1 Study Design sub-section, paragraph 1
2	Provide a rationale for using a DCE to answer the research question	Introduction section, paragraph 4. Methods section, 2.1 Study Design sub-section, paragraph 1
Attributes and levels		
3	Describe how attributes and levels were derived (e.g. literature review, interviews, focus groups, expert input)	Methods section, 2.3 Attributes and levels sub-section, paragraph 1
4	Provide the final list of attributes and levels	Methods section, 2.3 Attributes and levels sub-section, paragraph 2.

		The full list of attributes and levels are also included in Table 1.
Experiment design		
5	Report the number of alternatives per choice set and whether they were labelled or unlabelled	Methods section, 2.4 Experiment Design sub-section, paragraph 1
6	Describe response options (e.g. forced choice, opt-out, status quo)	Methods section, 2.4 Experiment Design sub-section, paragraph 1
7	Describe the type of experimental design (e.g. orthogonal, D-efficient, Bayesian efficient, partial profile)	Methods section, 2.4 Experiment Design sub-section, paragraph 1
8	Describe which effects are identified in the design (e.g. main effects, higher order interactions, functional form)	Methods section, 2.4 Experiment Design sub-section, paragraph 1
9	Describe the number of choice sets, blocks and choice sets per block	Methods section, 2.4 Experiment Design sub-section, paragraph 1
10	Indicate how the experimental design was obtained (software, catalogue, other)	Methods section, 2.4 Experiment Design sub-section, paragraph 1
Survey design		
11	Provide a sample choice set and the instructions and background information given to respondents (e.g. providing the survey as an appendix)	Example choice set in Figure 1. Abridged Word version of the DCE survey is included in the Supplementary Material section
12	Report any randomisation (e.g. choice set order, attribute order, alternative order, framing effects)	Methods section, 2.5 Survey Design sub-section, paragraph 1
13	Describe what was checked in piloting (e.g. understanding, respondent burden, timing, wording)	Methods section, 2.5 Survey Design sub-section, paragraph 2
14	Report whether information from the pilot was used to update the experimental design (e.g. priors, functional form of attributes) or survey design	Methods section, 2.5 Survey Design sub-section, paragraph 2
Sample and data collection		
15	Report respondent inclusion/exclusion criteria	Methods section, 2.2 Study Participants sub-section, paragraph 1
16	Describe how data were collected (e.g. mail, personal interview, web survey)	Methods section, 2.2 Study Participants sub-section, paragraph 1

17	Report the response rate or cooperation rate, if possible	Results section, 3.1 Study Participants sub-section, paragraph 1
18	Report the final sample size and how the sample size was determined	Methods section, 2.4 Experiment Design, paragraph 1. Results section, 3.1 Study Participants sub-section, paragraph 1.
19	Describe respondent characteristics and representativeness of target population, if known	Results section, 3.1 Study Participants sub-section, paragraph 2. Summary of respondent characteristics are also included in Table 2.
Econometric analysis		
20	Indicate coding of data (e.g. effects, dummy, continuous) including definitions	Results section, 3.2 Pharmacist Preferences sub-section, paragraphs 2 & 3.
21	Report whether any respondents were removed and why (e.g. suspected fraudulent responses, rationality tests)	Methods section, 2.4 Experiment Design sub-section, paragraph 2. Results section, 3.2 Pharmacist Preferences sub-section, paragraph 3. Table 3 footnote.
22	Provide the rationale for model choice (e.g. conditional logit, mixed logit, latent class) and assumptions (e.g. error variance)	Methods section, 2.6 Analysis sub-section, paragraph 1.
23	Report model specification	Results section, 3.2 Pharmacist Preferences sub-section, paragraphs 2 & 3.
Reporting of results		
24	Report the model performance, goodness of fit (if comparing models)	Methods section, 2.6 Analysis sub-section, paragraph 1. Table 3 footnote. Results section, 3.2 Pharmacist Preferences sub-section, paragraph 4.

25	Describe methods used for analysis of model results (e.g. calculation of marginal rate of substitution, attribute relative importance, welfare gain)	Methods section, 2.6 Analysis sub-section, paragraph 3.
26	Report measures of precision for the output(s) of interest (e.g. confidence intervals) and how these were derived	Methods section, 2.6 Analysis sub-section, paragraph 2.

References:

1. Ride J, Goranitis I, Meng Y, LaBond C, Lancsar E. A Reporting Checklist for Discrete Choice Experiments in Health: The DIRECT Checklist. *Pharmacoeconomics*. 2024;42(10):1161-1175. doi:10.1007/s40273-024-01431-6