

Supplementary material

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Supplement to: TKC Ng, BYF Fong, VTS Law, et al. Mask-wearing intention after the removal of the mandatory mask-wearing requirement in Hong Kong: application of the protection motivation theory and the theory of planned behaviour. Hong Kong Med J 2025;Epub 7 Apr 2025. <https://doi.org/10.12809/hkmj2311274>.

Supplementary Table. Hypotheses proposed for the study

Protection motivation theory	
H1	Perceived vulnerability is positively related to the intention to continue wearing a mask.
H2	Perceived severity is positively related to the intention to continue wearing a mask.
H3	Perceived reward of maladaptive behaviours is negatively related to the intention to continue wearing a mask.
H4	Perceived response efficacy is positively related to the intention to continue wearing a mask.
H5	Perceived self-efficacy is positively related to the intention to continue wearing a mask.
H6	Perceived response cost is negatively related to the intention to continue wearing a mask.
Theory of planned behaviour	
H7	Subjective norms are positively related to the intention to continue wearing a mask.
H8	Attitude is positively related to the intention to continue wearing a mask.
H9	Perceived behavioural control is positively related to the intention to continue wearing a mask.
H10	Subjective norms are positively related to the attitude towards continuing to wear a mask.
H11	Perceived behavioural control is positively related to the attitude towards continuing to wear a mask.
Integration of protection motivation theory and theory of planned behaviour	
H12	Perceived vulnerability is positively related to the attitude towards continuing to wear a mask.
H13	Perceived severity is positively related to the attitude towards continuing to wear a mask.
H14	Perceived reward of maladaptive behaviours is negatively related to the attitude towards continuing to wear a mask.
H15	Perceived response efficacy is positively related to the attitude towards continuing to wear a mask.
H16	Perceived self-efficacy is positively related to the attitude towards continuing to wear a mask.
H17	Perceived response cost is negatively related to the attitude towards continuing to wear a mask.
H18	Attitude towards continuing to wear a mask mediates the relationship between perceived response cost and the intention to continue wearing a mask.
H19	Attitude towards continuing to wear a mask mediates the relationship between

	perceived self-efficacy and the intention to continue wearing a mask.
H20	Attitude towards continuing to wear a mask mediates the relationship between perceived reward of maladaptive behaviours and the intention to continue wearing a mask.
H21	Attitude towards continuing to wear a mask mediates the relationship between subjective norms and the intention to continue wearing a mask.
H22	Attitude towards continuing to wear a mask mediates the relationship between perceived severity and the intention to continue wearing a mask.
H23	Attitude towards continuing to wear a mask mediates the relationship between perceived vulnerability and the intention to continue wearing a mask.
H24	Attitude towards continuing to wear a mask mediates the relationship between perceived response efficacy and the intention to continue wearing a mask.
H25	Attitude towards continuing to wear a mask mediates the relationship between perceived behavioural control and the intention to continue wearing a mask.