

Supplementary Online Content

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eTable. Variable Questions and Definitions From the 2019 New Zealand Family Violence Survey Used in Analysis

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable. Variable Questions and Definitions From the 2019 New Zealand Family Violence Survey Used in Analysis

Variable	Definition	
IPV exposure <i>All IPV questions were followed by: "If yes, has this happened before the last 12 months?"</i>	Physical	Participants responded "yes" to any (at least one) of the below experiences. Experiences considered severe physical violence are marked with an asterisk. <ul style="list-style-type: none"> • Has any partner ever slapped you or thrown something at you that could hurt you? • Has any partner ever pushed you or shoved you or pulled your hair? • Has any partner ever hit you with their fist or with something else that could hurt you?* • Has any partner ever kicked you, dragged you or beaten you up?* • Has any partner ever choked or burnt you on purpose?* • Has any partner ever threatened to use or actually used a gun, knife, or other weapon against you?*
	Sexual	Participants responded "yes" to any (at least one) of the below experiences. <ul style="list-style-type: none"> • Did your current partner or any other partner ever force you to have sexual intercourse when you did not want to, for example by threatening you or holding you down? • Did you ever have sexual intercourse you did not want to because you were afraid of what your current or any other partner might do if you refused? • Did your current partner or any other partner ever force you to do anything else sexual that you did not want or that you found degrading or humiliating?
	Psychological	Participants responded "yes" to one or more of the below experiences. <ul style="list-style-type: none"> • Insulted you or made you feel bad about yourself? • Said or did something that made you feel humiliated in front of other people? • Did things that made you feel scared or intimidated? • Threatened to harm you or someone you care about? • Destroyed things that are important to you?
	Controlling behaviors	Participants responded "yes" to one or more of the below experiences. <ul style="list-style-type: none"> • Stopped you from seeing your friends? • Restricted contact with your family? • Insisted on knowing where you are in a way that made you feel controlled or afraid? • Stopped you from getting healthcare?

	Economic abuse	<p>Participants responded “yes” to any (at least one) of the below experiences.</p> <ul style="list-style-type: none"> • Has any partner pressured you into paid work that you did not want to do? • Have you ever given up/refused a job for money because your partner did not want you to work? • Has any partner ever taken your earnings or savings from you against your will? • Has any partner ever refused to give you money for household expenses, even when they have money for other things? • Has any partner ever failed to arrive for or interfered with childcare when you needed to be at work?
Health outcomes	General health	<p>Responses to the below question were categorized into a binary variable with good general health including “excellent”/“good” responses or poor general health including “fair”/“poor”/“very poor” responses.</p> <ul style="list-style-type: none"> • In general, would you describe your overall health as excellent, good, fair, poor or very poor?
	Recent pain or discomfort	<p>Responses to the below question were categorized into a binary variable with responses scored as 0 (no pain or discomfort) from “no pain at all”/“slight pain or discomfort” responses and 1 (pain or discomfort) including “moderate”/“severe”/“extreme pain or discomfort” responses.</p> <ul style="list-style-type: none"> • In the past four weeks, have you been in pain or discomfort? Would you say no pain at all, slight pain or discomfort, moderate, severe, or extreme pain or discomfort?
	Recent use of pain medication	<p>A binary variable was created for taking any pain medication in the past four weeks, based on “yes”/“no” responses to the below question.</p> <ul style="list-style-type: none"> • In the past four weeks, have you taken medication to relieve pain?
	Frequent use of pain medication	<p>A binary variable was created based on responses to the below question, which scored responses “None”/“once or twice”/“a few times” as 0 (infrequent) and “many times”/“daily” as 1 (frequent).</p> <ul style="list-style-type: none"> • How often? Once or twice, a few times, many times, or daily?
	Recent healthcare consultation	<p>A binary variable (“yes”/“no”) was created based on responses to the below question.</p> <ul style="list-style-type: none"> • In the past four weeks, did you consult a doctor or other professional or traditional healthcare worker because you were sick?
	Diagnosed health conditions	<p>Due to small numbers for specific health conditions reported in response to the below question, two aggregated binary variables were created for each of “Any physical health condition” (yes/no) and “Any mental health condition” (yes/no). The physical condition binary variable included conditions specified under “Other”, which had been coded by a medical research assistant during the data cleaning process. Hypertension was considered a minor chronic health condition compared with other conditions in the physical health condition variable and thus excluded.</p> <ul style="list-style-type: none"> • Have you ever been told by your doctor that you have any of the following long-term health conditions? Heart disease (including heart attack, angina, or heart failure) cancer, stroke, diabetes (not gestational), asthma, arthritis, depression, anxiety, substance abuse disorder, or other (specify).
Socio-demographic	Food Security	<p>A binary variable was created using the response options of “Never” as 0 (secure) and “Occasionally”/“sometimes”/“often”/“all the time” as 1 (insecure) from responses to the below question.</p> <ul style="list-style-type: none"> • Do you ever worry about not having enough money to buy food? Never, occasionally, sometimes, often, all the time.

	Education	A binary variable was created from responses “Primary” or “Secondary or higher” to the below question. <ul style="list-style-type: none">• What is the highest level of education that you achieved? Primary, secondary, higher.
	Employment	A categorical variable was created from responses to the below question, as “Not working”, “Housework”, “Student”, “Retired”, or “Employed”. <ul style="list-style-type: none">• What is your main daily occupation? Not working, housework, student, retired, employed.