





Assessment of Risky Riding Behaviors Using the Motorcycle Rider Behavior Questionnaire (MRBQ) among University Students



Dina Lusiana Setyowati^{1,*} , Yuliani Setyaningsih² , Chriswardani Suryawati²  and Daru Lestantyo² 

¹Doctoral in Public Health, Faculty of Public Health, Universitas Diponegoro, Semarang, Indonesia

²Faculty of Public Health, Universitas Diponegoro, Semarang, Indonesia

© 2024 The Author(s). Published by Bentham Open.

This is an open access article distributed under the terms of the Creative Commons Attribution 4.0 International Public License (CC-BY 4.0), a copy of which is available at: <https://creativecommons.org/licenses/by/4.0/legalcode>. This license permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.



CrossMark

Published: ?? ??, 2024

Cite as: Setyowati D, Setyaningsih Y, Suryawati C, Lestantyo D. Assessment of Risky Riding Behaviors Using the Motorcycle Rider Behavior Questionnaire (MRBQ) among University Students. Open Public Health J, 2024; 17: e18749445281252. <http://dx.doi.org/10.2174/0118749445281252240316204804>



Send Orders for Reprints to
reprints@benthamscience.net

The respondents were asked to rate the frequency of their driving behavior for a year, choosing one option from the 6-point scale. Answer the questions below according to the actual circumstances. Put a check mark (✓) or cross (X) on the selected answer.

1 = Never

2 = Hardly ever

3 = Occasionally

4 = Quite often

5 = Frequently

6 = nearly all the time

| Code | Item Statement | 1 | 2 | 3 | 4 | 5 | 6 |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|
| B1 | Not seeing someone stepping out of the back of a parked vehicle until it was almost too late to stop | - | - | - | - | - | - |
| B2 | Not paying attention to someone waiting at the crosswalk whose light just turned red | - | - | - | - | - | - |
| B3 | Not paying attention to the "STOP" sign when going to cross the main lane and almost collided with another vehicle that had the right to walk | - | - | - | - | - | - |
| B4 | Failing to notice or anticipate other vehicles that stop suddenly in front of you and having trouble stopping | - | - | - | - | - | - |
| B5 | You try to overtake another vehicle that you are unaware of signals a left turn | - | - | - | - | - | - |
| B6 | When driving at the same speed as other traffic, you find it difficult to stop at the time of the light. Traffic has turned red | - | - | - | - | - | - |
| B7 | The driving distance is so close to the vehicle ahead that it will be difficult to stop in an Emergency | - | - | - | - | - | - |
| B8 | Taking too wide a lap when turning corners | - | - | - | - | - | - |
| B9 | Drive so fast around corners that you feel like you've lost control | - | - | - | - | - | - |
| B10 | Exceeding the speed limit on the streets | - | - | - | - | - | - |
| B11 | Ignoring speed limits late at night or early in the morning | - | - | - | - | - | - |
| B12 | Ignoring speed limits on highways | - | - | - | - | - | - |
| B13 | Ignoring speed limits on residential roads | - | - | - | - | - | - |
| B14 | The race starts when the traffic light shows green to defeat the next driver. | - | - | - | - | - | - |
| B15 | On minor roads, you drive at speeds of more than 60km/h | - | - | - | - | - | - |
| B16 | Drive in two lanes of traffic at high speed | - | - | - | - | - | - |
| B17 | Engage in racing with other riders or riders | - | - | - | - | - | - |
| B18 | Turn at such high speed that you feel scared | - | - | - | - | - | - |
| B19 | Do you try or do front wheel lift of your vehicle | - | - | - | - | - | - |

| Code | Item Statement | 1 | 2 | 3 | 4 | 5 | 6 |
|------|---------------------------------------------------------------------------------------------------|---|---|---|---|---|---|
| B20 | Pull the gas too quickly, and your front wheel lifts off the road | - | - | - | - | - | - |
| B21 | Inadvertently doing wheel spin | - | - | - | - | - | - |
| B22 | Brake or throttle back (slowly) when circling a corner | - | - | - | - | - | - |
| B23 | Change gears/lower speed when turning around a bend or bend | - | - | - | - | - | - |
| B24 | You have difficulty controlling the motorcycle when riding at high speeds (e.g., steering wobble) | - | - | - | - | - | - |
| B25 | Slipping on wet roads or manhole covers, road creation | - | - | - | - | - | - |
| B26 | Having problems with your visor foggy glasses | - | - | - | - | - | - |
| B27 | Driving under the influence of alcohol | - | - | - | - | - | - |