



**AUSCYCLING**

PARACYCLING FACTORS

2022

## 1. Introduction

Multi-category para-cycling competition provides an excellent option to ensure participation and recognition of para-cyclists in competitions. The use of 'Factors' as part of the comparison between riders is the methodology used in Australia to ensure fair competition.

## 2. How the Factors are Calculated

The Para-cycling factors (please refer to table below) have been calculated as follows:

1. Factors within each class (B, T, H, C) are based on the UCI Para-cycling standard performance [UCI factors](#).
2. To determine the relation between each class the average performance of the top 3 placed rider at the 2020 Tokyo Paralympic Games in the categories MB, MC5, MH5 and MT2 was used.
3. AWII factors are based on performance at the 2022 Para-cycling Road National Championships.

## 3. How to Calculate Factored Times

### 3.1. Using Decimal Factor

To calculate a factored time the absolute time must be divided by the decimal factor:

Example:

Absolute time = 25min 14sec  
Para Category = MH3  
Decimal Factor = 1.26

Factored time =  $1514 \text{ sec} / 1.26 = 1202 \text{ sec} = 20\text{min } 2\text{sec}$

### 3.2. Using Percentage Factor

To calculate a factored time the absolute time must be multiplied with the percentage factor:

Example:

Absolute time = 25min 14sec  
Para Category = MH3  
Decimal Factor = 79.379%

Factored time =  $1514 \text{ sec} * 0.79379 = 1202 \text{ sec} = 20\text{min } 2\text{sec}$

Both methods can be applied producing the same result.

## 4. Questions

Please contact us at [events@auscycling.org.au](mailto:events@auscycling.org.au)

## 5. 2022 Para-cycling Factors

MB	1.000	100.000
MC5 / Deaf / Transplant	1.023	97.740
MC4	1.051	95.169
MC3	1.099	90.967
WB	1.140	87.730
MC2	1.140	87.702
MAWII	1.164	85.889
WC5	1.166	85.757
MC1	1.189	84.076
WC4	1.198	83.499
MH4	1.225	81.640
MH5	1.225	81.640
WC3	1.253	79.814
MH3	1.260	79.362
WC2	1.300	76.951
WAWII	1.327	75.358
WC1	1.356	73.764
WH4	1.396	71.631
WH5	1.396	71.631
WH3	1.436	69.631
MT2	1.468	68.120
MH2	1.468	68.112
WT2	1.673	59.779
WH2	1.673	59.760
MT1	1.697	58.921
WT1	1.934	51.699
MH1	2.060	48.551
WH1	2.347	42.600

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