



Correction to: Brand new norms for a good old test: Northern Italy normative study of MiniMental State Examination

Giuseppe Foderaro¹ · Valeria Isella^{2,3,4} · Andrea Mazzone⁵ · Elena Biglia^{1,6} · Marco Di Gangi⁷ · Fabrizio Pasotti⁸ · Flavia Sansotera¹ · Monica Grobberio⁹ · Vanessa Raimondi¹⁰ · Cristina Mapelli^{2,3,4} · Francesca Ferri^{2,3,4} · Valentina Impagnatiello^{2,3,4} · Carlo Ferrarese^{2,3,4} · Ildebrando Marco Appollonio^{2,3,4}

Published online: 17 May 2024

© The Author(s) 2024

Correction to: Neurological Sciences (2022) 43:3053–3063
<https://doi.org/10.1007/s10072-021-05845-4>

The original version of the above article contained a mistake in two cells of Table 6:

‘FEMALES’ table section: the adjustment value for 9 years of education and 80 years of age should be +1.09 instead of +0.09

‘MALES’ table section: the adjustment value for 9 years of education and 90 years of age should be +1.27 instead of +0.27.

Here is the updated table:

The original article can be found online at <https://doi.org/10.1007/s10072-021-05845-4>.

✉ Valeria Isella
valeria.isella@unimib.it

¹ EOC Ente Ospedaliero Cantonale, Lugano Regional Hospital, Lugano, Canton Ticino, Switzerland

² Neurology Department, San Gerardo Hospital, Monza, Italy

³ School of Medicine, University of Milano-Bicocca, Milan, Italy

⁴ Milan Center for Neurosciences (NeuroMI), Milan, Italy

⁵ Redaelli Geriatric Institute, Milan, Italy

⁶ Neurocenter of Southern Switzerland, Lugano Regional Hospital, Lugano, Canton Ticino, Switzerland

⁷ Psychology, Psychotherapy and Neuropsychology Center, Canton Ticino, Minusio, Switzerland

⁸ Department of Brain and Behavioural Sciences, University of Pavia, Pavia, Italy

⁹ Clinical Neuropsychology Lab, Neurology Department and Clinical Psychology Unit, ASST Lariana, Como, Italy

¹⁰ Psychology Service and Neurology Unit, ASST Crema, Crema, Italy

FEMALES	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
0	+1.25	+1.31	+1.39	+1.46	+1.55	+1.64	+1.74	+1.85	+1.97	+2.11	+2.27	+2.45	+2.68	+2.97	+3.36	+4.01
3	+0.33	+0.40	+0.47	+0.55	+0.63	+0.72	+0.82	+0.93	+1.05	+1.19	+1.35	+1.53	+1.76	+2.05	+2.45	+3.09
5	+0.06	+0.13	+0.20	+0.28	+0.36	+0.45	+0.55	+0.66	+0.78	+0.92	+1.08	+1.27	+1.49	+1.78	+2.18	+2.82
6	-0.05	+0.02	+0.09	+0.17	+0.25	+0.34	+0.44	+0.55	+0.67	+0.81	+0.97	+1.15	+1.38	+1.67	+2.07	+2.71
9	-0.34	-0.28	-0.20	-0.13	-0.04	+0.05	+0.15	+0.26	+0.38	+0.52	+0.68	+0.86	+1.09	+1.38	+1.77	+2.42
14	-0.74	-0.67	-0.60	-0.52	-0.44	-0.34	-0.25	-0.14	-0.01	+0.12	+0.28	+0.47	+0.69	+0.98	+1.38	+2.02
17	-0.94	-0.87	-0.80	-0.72	-0.64	-0.55	-0.45	-0.34	-0.22	-0.08	+0.08	+0.27	+0.49	+0.78	+1.18	+1.82
19	-1.06	-1.00	-0.92	-0.85	-0.76	-0.67	-0.57	-0.46	-0.34	-0.20	-0.05	+0.14	+0.37	+0.66	+1.05	+1.70
MALES	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
0	+0.75	+0.81	+0.89	+0.96	+1.05	+1.14	+1.24	+1.35	+1.47	+1.61	+1.77	+1.95	+2.18	+2.47	+2.86	+3.51
3	-0.17	-0.10	-0.03	+0.05	+0.13	+0.22	+0.32	+0.43	+0.55	+0.69	+0.85	+1.03	+1.26	+1.55	+1.95	+2.59
5	-0.44	-0.37	-0.30	-0.22	-0.14	-0.05	+0.05	+0.16	+0.28	+0.42	+0.58	+0.77	+0.99	+1.28	+1.68	+2.32
6	-0.55	-0.48	-0.41	-0.33	-0.25	-0.16	-0.06	+0.05	+0.17	+0.31	+0.47	+0.65	+0.88	+1.17	+1.57	+2.21
9	-0.84	-0.78	-0.70	-0.63	-0.54	-0.45	-0.35	-0.24	-0.12	+0.02	+0.18	+0.36	+0.59	+0.88	+1.27	+1.92
14	-1.24	-1.17	-1.10	-1.02	-0.94	-0.84	-0.75	-0.64	-0.51	-0.38	-0.22	-0.03	+0.19	+0.48	+0.88	+1.52
17	-1.44	-1.37	-1.30	-1.22	-1.14	-1.05	-0.95	-0.84	-0.72	-0.58	-0.42	-0.23	-0.01	+0.28	+0.68	+1.32
19	-1.56	-1.50	-1.42	-1.35	-1.26	-1.17	-1.07	-0.96	-0.84	-0.70	-0.55	-0.36	-0.13	+0.16	+0.55	+1.20

Best linear model: raw score - 1.06*($\ln(101\text{-Age}) - 3.68$) - 0.53*($\sqrt{\text{years of Education}} - 3.31$) + 0.25 for females, - 0.25 for males

Open Access This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not

permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>.

Publisher's Note Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.