

Review of: "Why are there different versions of the COM-B model diagram?"

Kevin Dolgin¹

¹ Université Panthéon-Sorbonne (Paris I)

Potential competing interests: Founder of Observia

This is a useful addition to the literature regarding the widely-used COM-B model. It makes explicit a number of relations that make sense, both from an intrinsic perspective and from the perspective of the literature regarding behavior. I confess as well that I was unfamiliar with the BCIO work carried out by the authors, which is very welcome. This particular paper gains further significance in the light of the BCIO ontology, as it helps to point out that the various sub-categories of capability, opportunity and motivation are best considered not in isolation, but in terms of their relationship to each other.

I think the paper could be enhanced by some more references. The authors make a number of contentions that are undoubtedly correct, but that are actually supported in other research, and the interested reader would probably benefit from being pointed in the direction of these other research initiatives, whereas the authors seem almost exclusively to cite themselves. For example, the authors state that: "knowing how to do something can increase motivation to do it, being good at doing something can increase motivation to do it, and understanding the consequences of doing something is an important factor influencing motivation to do it or not do it". This makes intuitive sense, but it is also central to certain tenets of self-determination theory (see, for example, Gagné, M., & Deci, E. L. (2005). Self-determination theory and work motivation. *Journal of Organizational Behavior*, 26(4), 331-362) and even social cognitive theory (for example, Lent, R. W., Brown, S. D., & Hackett, G. (1994). Toward a unifying social cognitive theory of career and academic interest, choice, and performance. *Journal of Vocational Behavior*, 45(1), 79-122, or Bandura's work on self-efficacy).

I think that some more guidance and suggestions regarding further research would also be welcome. The examination of the interplay between the various COM-B components leads to numerous other directions of research and while this is alluded to, some more specific ideas from the authors that could inspire other researchers would perhaps be a good idea.