

***Interactive comment on “A contribution to the selection of tsunami human vulnerability indicators: conclusions from tsunami impacts in Sri Lanka and Thailand (2004), Samoa (2009), Chile (2010) and Japan (2011)” by P. González-Riancho et al.***

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The paper by Gonzalez-Riancho and co-authors is a very interesting contribution in the field of tsunami vulnerability assessment. My impression is that they succeeded with respect to the goals they proposed in the abstract and introduction, that is reviewing and validating the human vulnerability indicators presently used, to improve and broaden their definition and to extend the scope of human vulnerability assessment

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by taking into account both permanent and temporal exposure. The historical cases used in the validation process are indeed relevant and thoroughly investigated. As the analysis and tests performed are numerous, the overall presentation is probably a bit long. But I also understand that all results are necessary and I would not know how or where to shorten the paper. The only point that deserves some attention and correction regards Table 2, where the data on maximum tsunami wave height and maximum tsunami inundation distance does not appear to be coherent with the available databases of tsunami run-ups and inundation. I suggest the authors to consult the NGDC database to retrieve more sensible figures and to check whether their results are affected in any manner by this update. I am attaching a pdf file with an annotated version of the manuscript, including few suggestions for corrections and improvements.

Please also note the supplement to this comment:

<http://www.nat-hazards-earth-syst-sci-discuss.net/2/C3757/2015/nhessd-2-C3757-2015-supplement.pdf>

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