

Interactive comment on “Assessing the impact of Syrian refugees on earthquake casualty estimations in southeast Turkey” by Bradley Wilson and Thomas Paradise

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Interactive comment on “Assessing the impact of Syrian refugees on earthquake casualty estimations in southeast Turkey” by Bradley Wilson and Thomas Paradise

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This is a well-written paper characterized by originality as regards the earthquake mortality assessment by taking into account population alteration due to massive refugee integration in the standard population of a country (here Turkey). Although the results

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are susceptible to a number of assumptions and uncertainties, what is important with this paper is the methodological approach, not the results per se. The paper can be accepted for publication after minor improvements according to the next comments:

Figure 3, Legend. “The distribution of earthquake shaking as gathered from historical documents and modern seismic networks, compiled in (Sesetyan et al., 2013)”. It should be “The distribution of earthquake epicenters as gathered from historical documents and modern seismic networks, compiled in Sesetyan et al. (2013)”.

p. 6, l. 10 (and later): “. . .aeral distribution”, means “. . .aerial distribution”? Please check. Table 1. Complete it by inserting information about earthquake magnitude, M , and fault length, L , for each fault segment. Explain how L is estimated from M . Table 2. Make reference to Table 6. p.12, l. 11-12: “These results follow out of Table 3 which shows populations generally transitioning from vulnerable masonry buildings to concrete structures during working hours”. One may consider that during working hours the percentage of population being outdoors at a given earthquake time is higher than that during living hours. Possibly this could be included in the discussion. Appendix. I guess that Table 6 belongs to Appendix content. Make it more clear.

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