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TOPMed paper for review: CHIP and leukocyte telomere length

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Hi all,

As a follow up to Alex Bick's paper on CHIP in TOPMed and Margaret's paper on LTLs in TOPMed, Tetsushi (Tet) Nakao explored the relationship between CHIP and LTLs in TOPMed and UKB.

<https://drive.google.com/drive/u/1/folders/13vsfoN9-3KJOmaX7-WEeQhIJIMgb3WJS>

(manuscript, main display items, supplement figures, supplement tables, authorship table)

Prior studies have shown that, observationally, CHIP is associated with shorter LTLs. Shorter LTLs are correlated with CAD risk in observational and Mendelian randomization studies. However, the top risk allele for CHIP (at TERT) is also associated with longer LTLs. MR analyses of LTLs and cancers are mixed, and Mendelian short LTL syndromes are linked to an increased risk of cancer. Here, we performed a series of observational and MR analyses to explore the directional relationships between CHIP and LTLs, as well as with CAD, in both TOPMed and UKB also with external summary-level data.

Right now, the authors involved in the analyses/writing are listed in the manuscript but the authorship table has many more. There are lots of placeholders for cohort authors with the listed contact PI being responsible for the author slots. **For those listed as a contact PI, please fill out your author rows in the author table by next Wed 11/25. For others listed, please check your name spelling, affiliations etc by next Wed 11/25.** We can only then submit to cohort P&Ps (where required) with the full author list. If your cohort requires additional authorship spots, please reach out to me.

Please provide feedback on the paper with tracked changes in the Google Docs by next Wed 11/25.

Thank you all for your collaboration!

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