

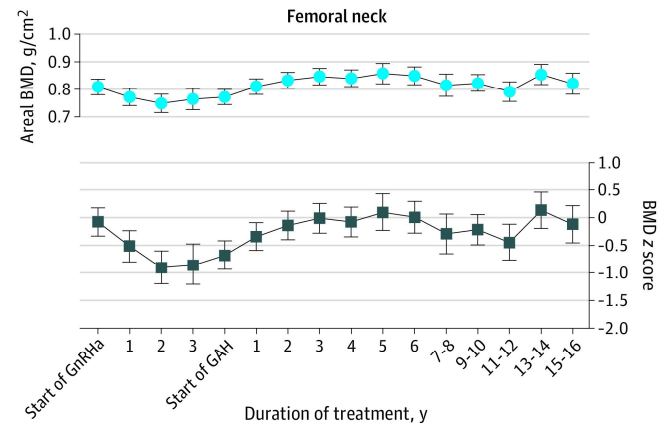
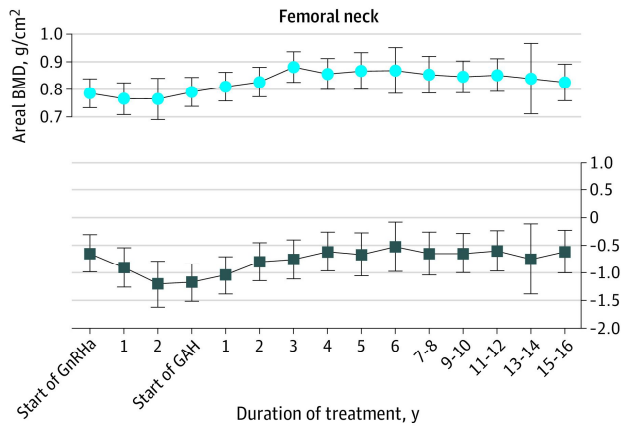
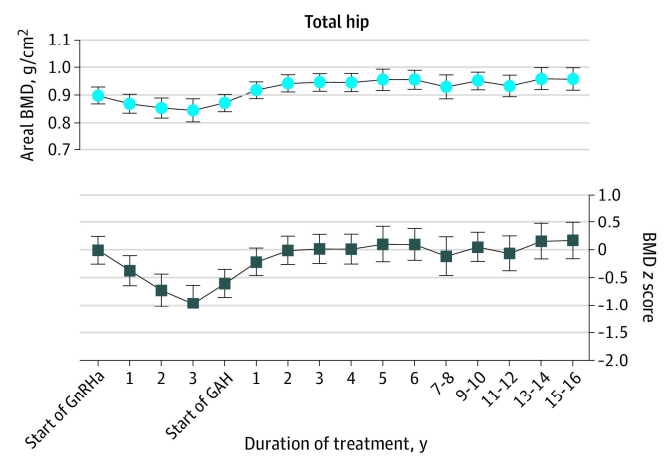
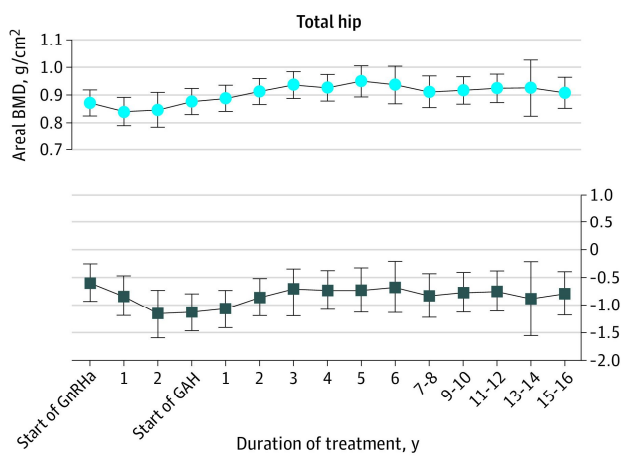
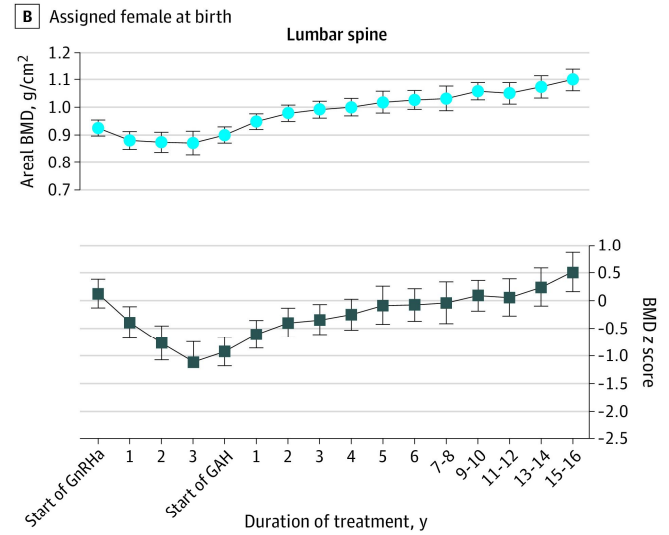
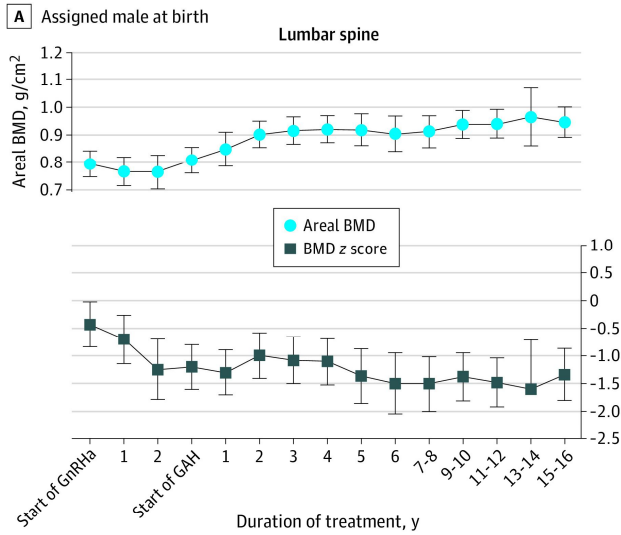


**STATS FOR
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Bone mineral density that declines during puberty blockade may not fully recover with cross-sex hormone treatment.

A cohort study [1] of trans-identified people who had received puberty blockers and long-term cross sex hormones found that bone mineral density z-scores (which compare the patient with age- and sex-typical values) fell during puberty blockade, and did not fully recover following over a decade of cross-sex hormone treatment. This was especially the case for the lumbar spine of males receiving estrogen.

It is also notable that, of the original 143 eligible participants, only 75 completed this research. Of those who left the cohort, 6 (4%) had discontinued cross-sex hormone treatment and 27 (19%) could not be reached. These figures are consistent with high loss to follow up in other studies of so-called “gender-affirming care.”



REFERENCES

[1] van der Loos MATC, Vlot MC, Klink DT, Hannema SE, den Heijer M, Wiepjes CM. Bone Mineral Density in Transgender Adolescents Treated With Puberty Suppression and Subsequent Gender-Affirming Hormones. *JAMA Pediatrics*. 2023 Dec 1;177(12):1332-1341. doi: 10.1001/jamapediatrics.2023.4588. PMID: 37902760; PMCID: PMC10616766.