

(G) β -diversity: Alive, no event vs alive, event ($p = 0.273$), Alive, no event vs dead ($p = 0.350$), Alive, event vs dead ($p = 0.010$). Urine, (H) β -diversity: Alive, no event vs alive, event ($p = 0.088$), Alive, no event vs dead ($p = 0.347$), Alive, event vs dead ($p = 0.356$). Stool, (I) β -diversity: Alive, no event vs alive, event ($p = 0.063$), Alive, no event vs dead ($p = 0.601$), Alive, event vs dead ($p = 0.050$). (J) Bacterial community β -diversity among OC patients with different status four years post-diagnosis. Lower reproductive tract (cervix and vagina), (J) β -diversity: Alive, no event vs alive, event ($p = 0.017$), Alive, no event vs dead ($p = 0.568$), Alive, event vs dead ($p = 0.058$). (K–L) Heatmaps showing the effect size (\log_2 Fold Change) of the differentially abundant microbial taxa. White boxes reflect no fold change at FDR

Citation: Researchers link ovarian cancer to bacteria colonization in microbiome (2023, January 17) retrieved 26 April 2024 from <https://medicalxpress.com/news/2023-01-link-ovarian-cancer-bacteria-colonization.html>

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