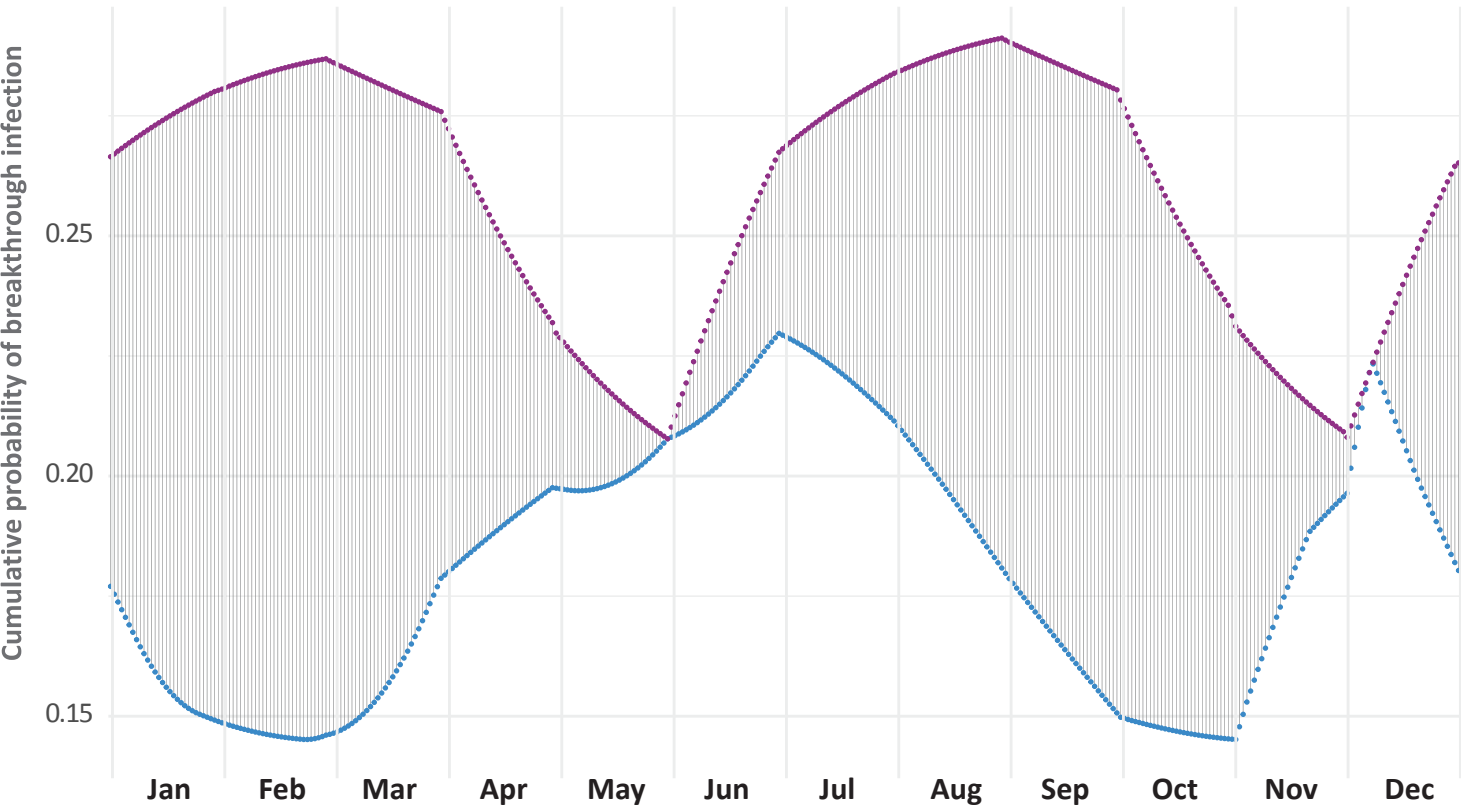


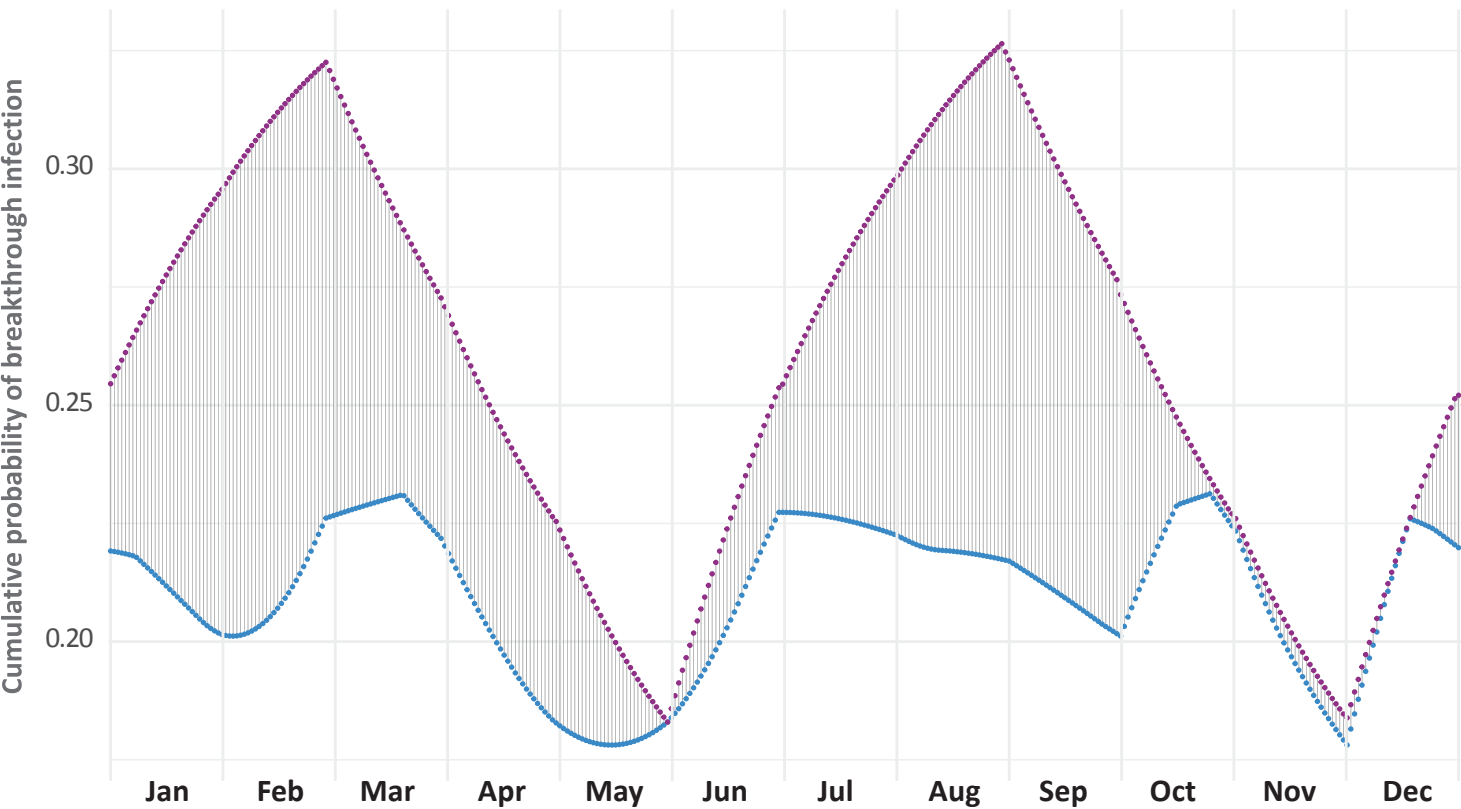
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STOCKHOLM, SWEDEN



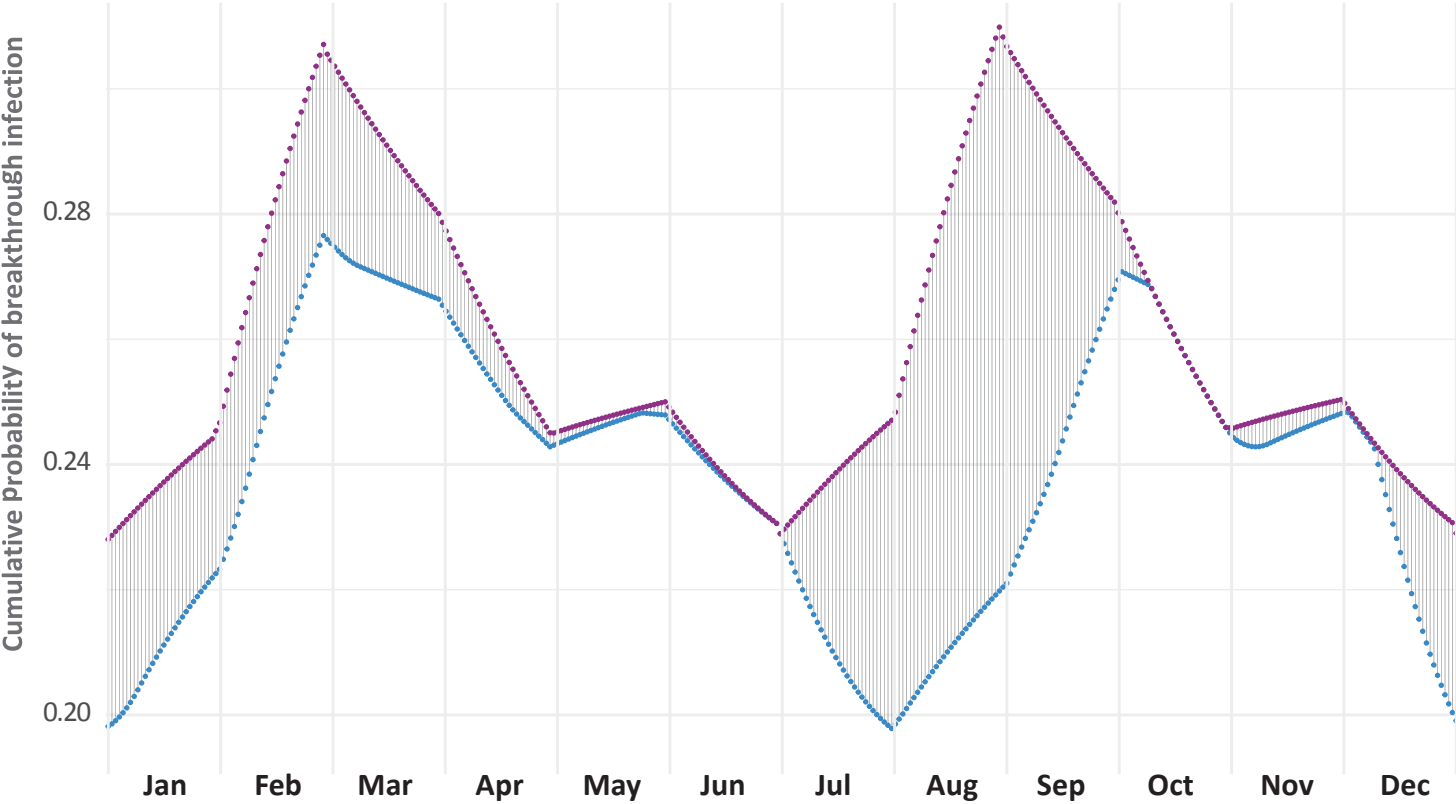
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GOTHENBURGH, SWEDEN



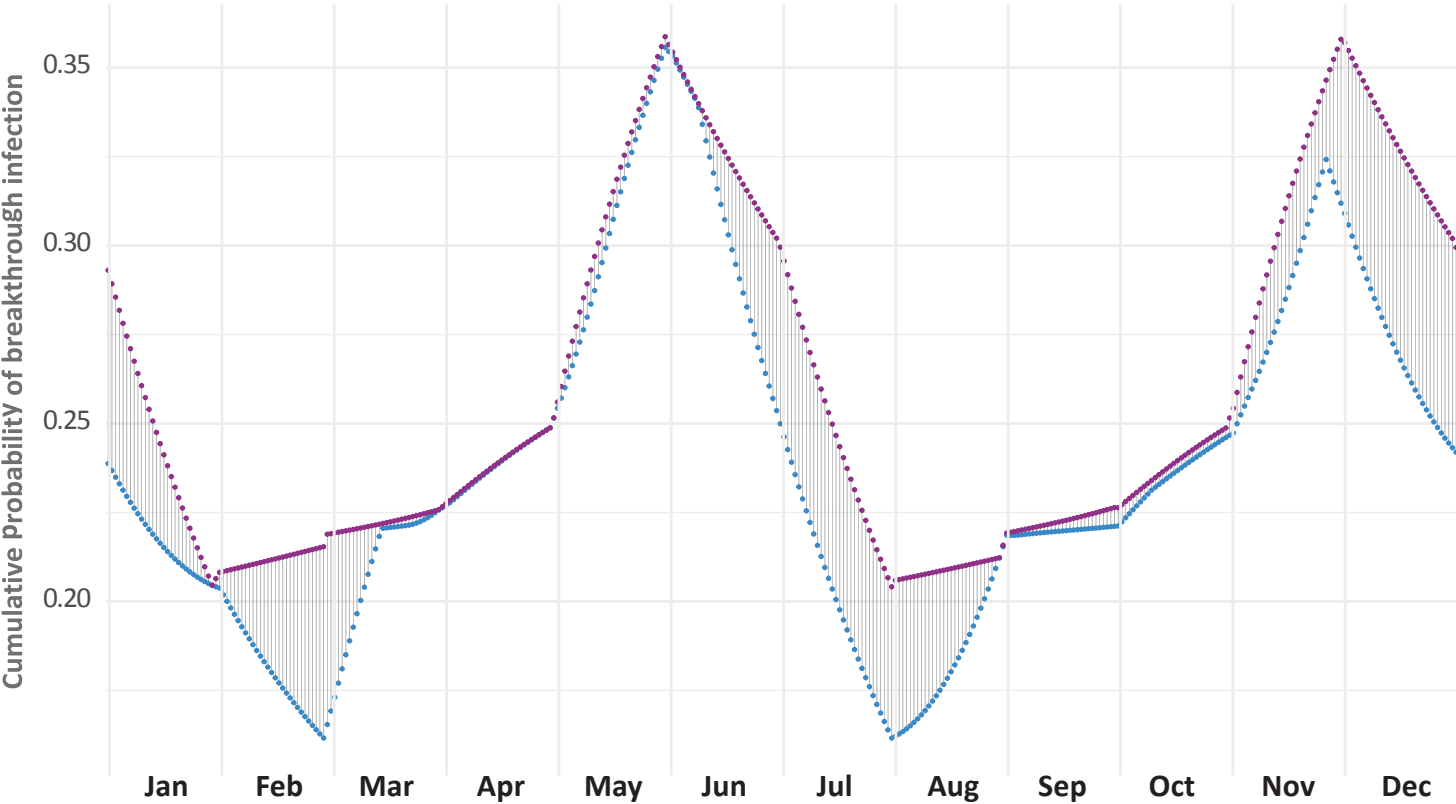
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NEPAL



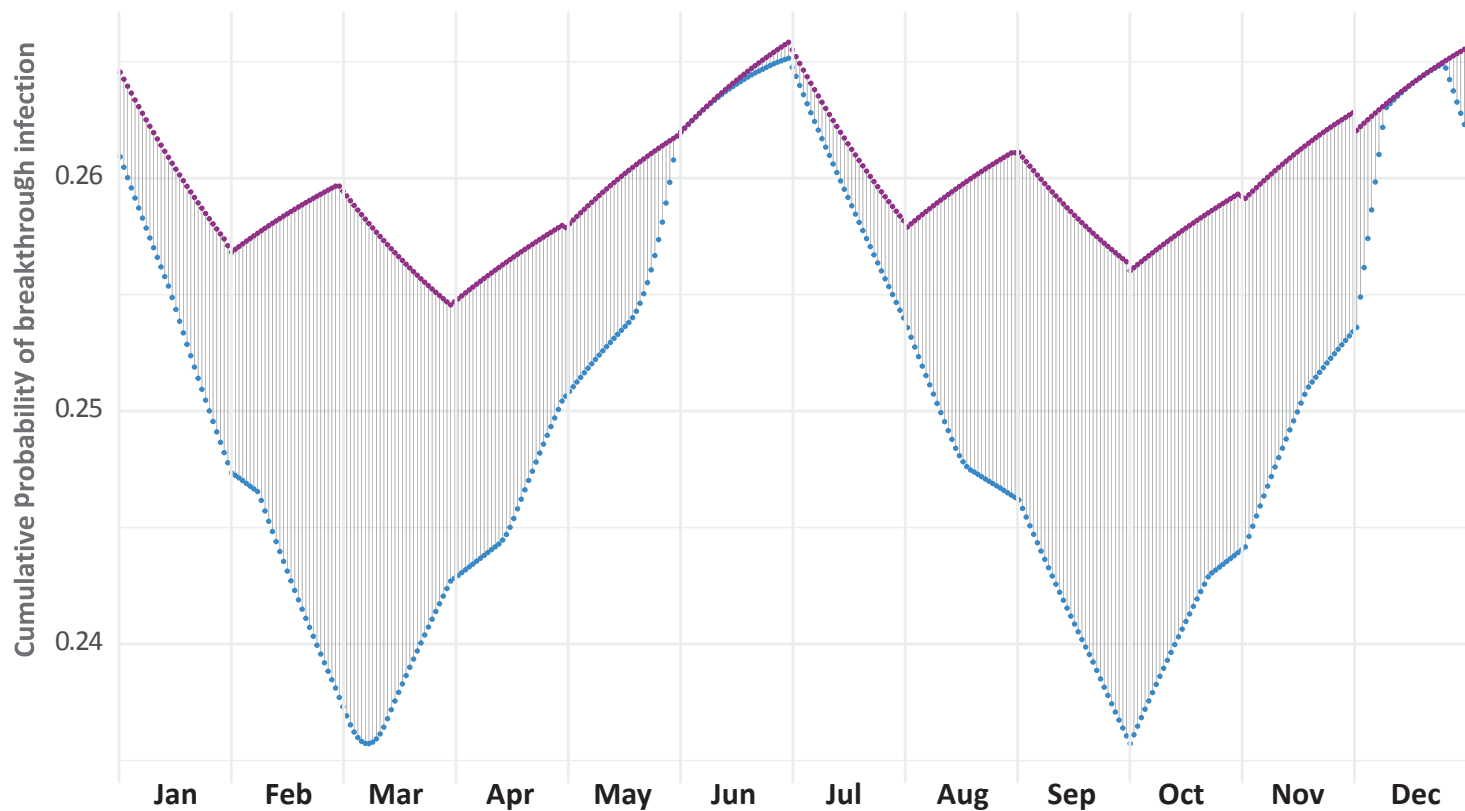
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BEERSHEBA, ISRAEL



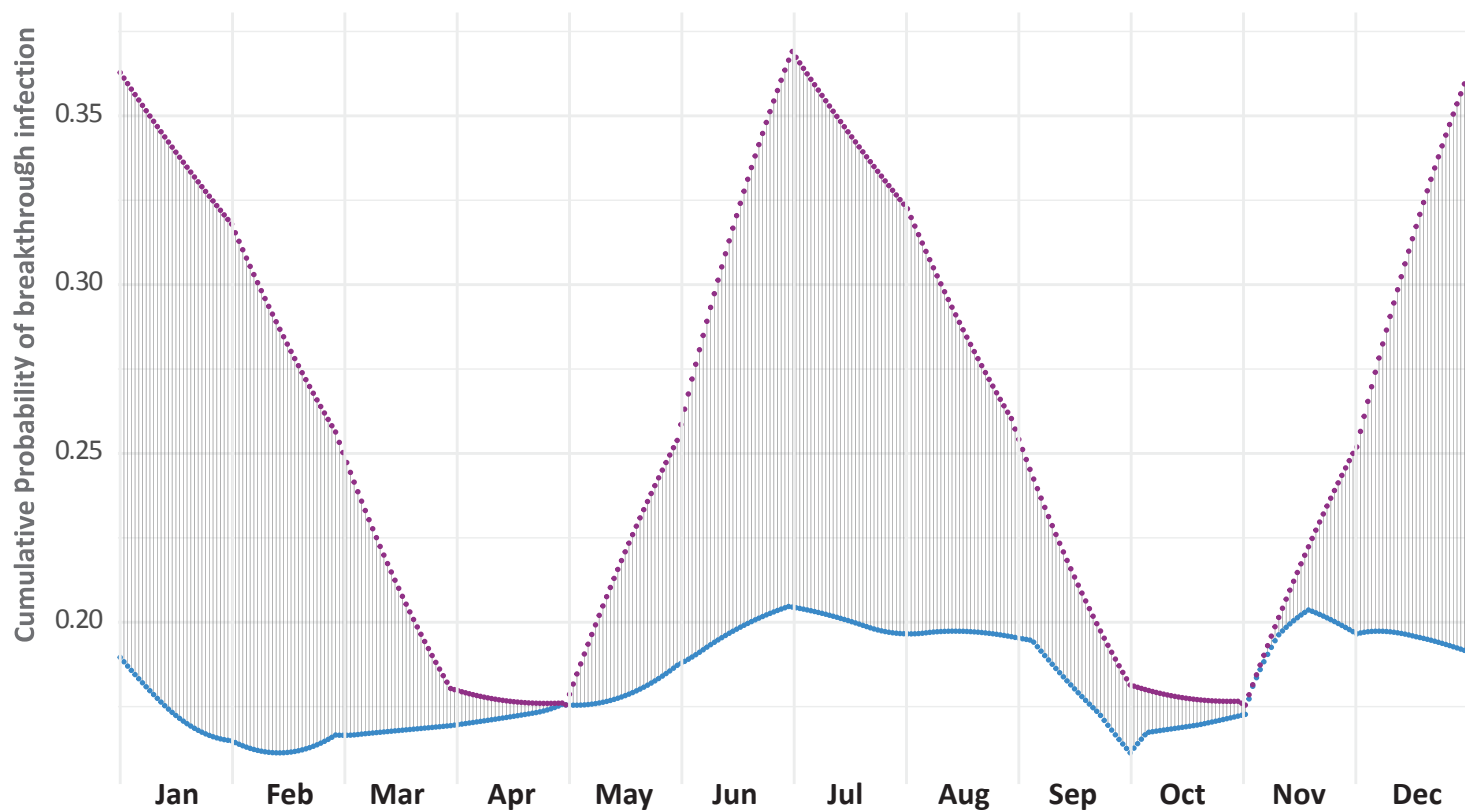
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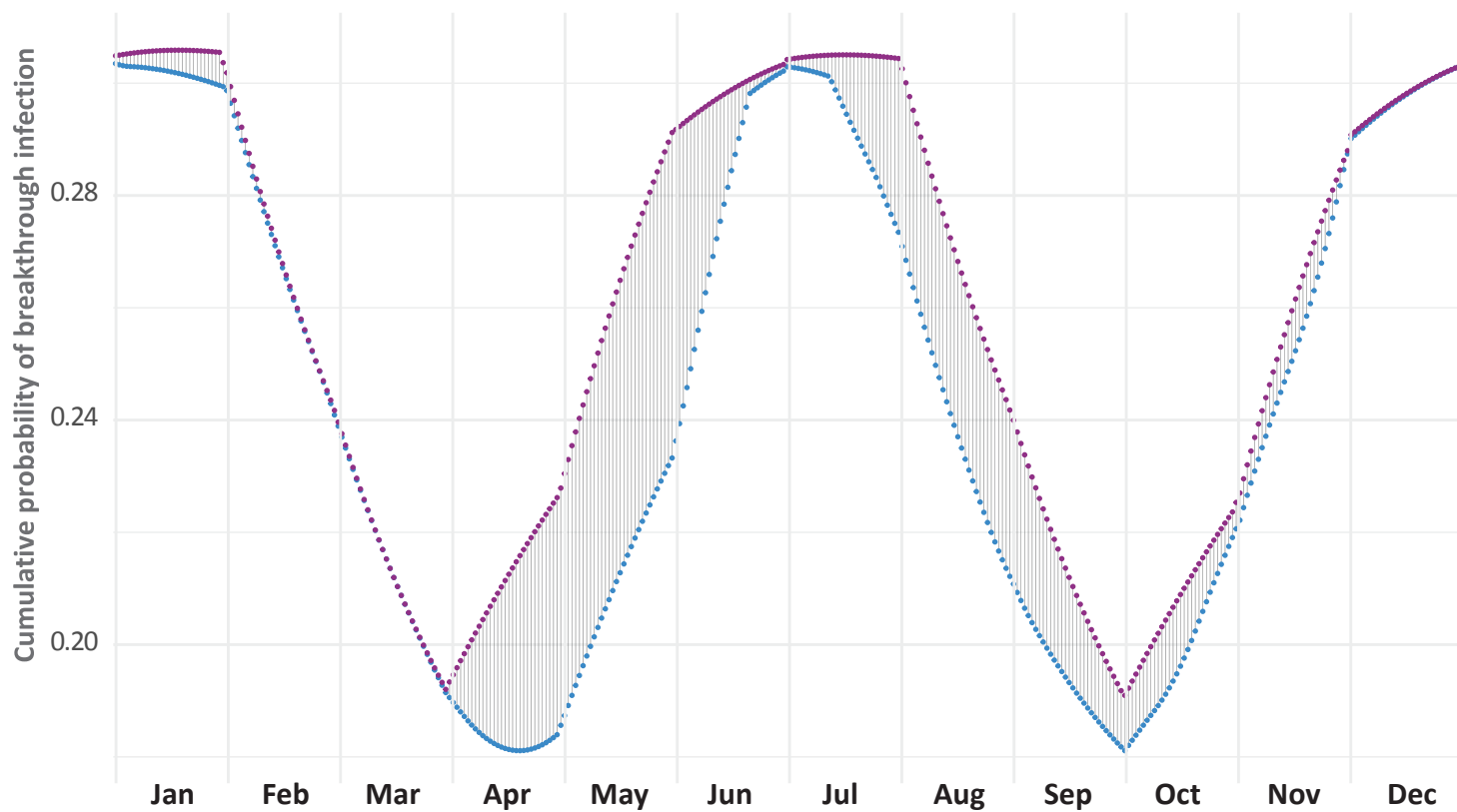
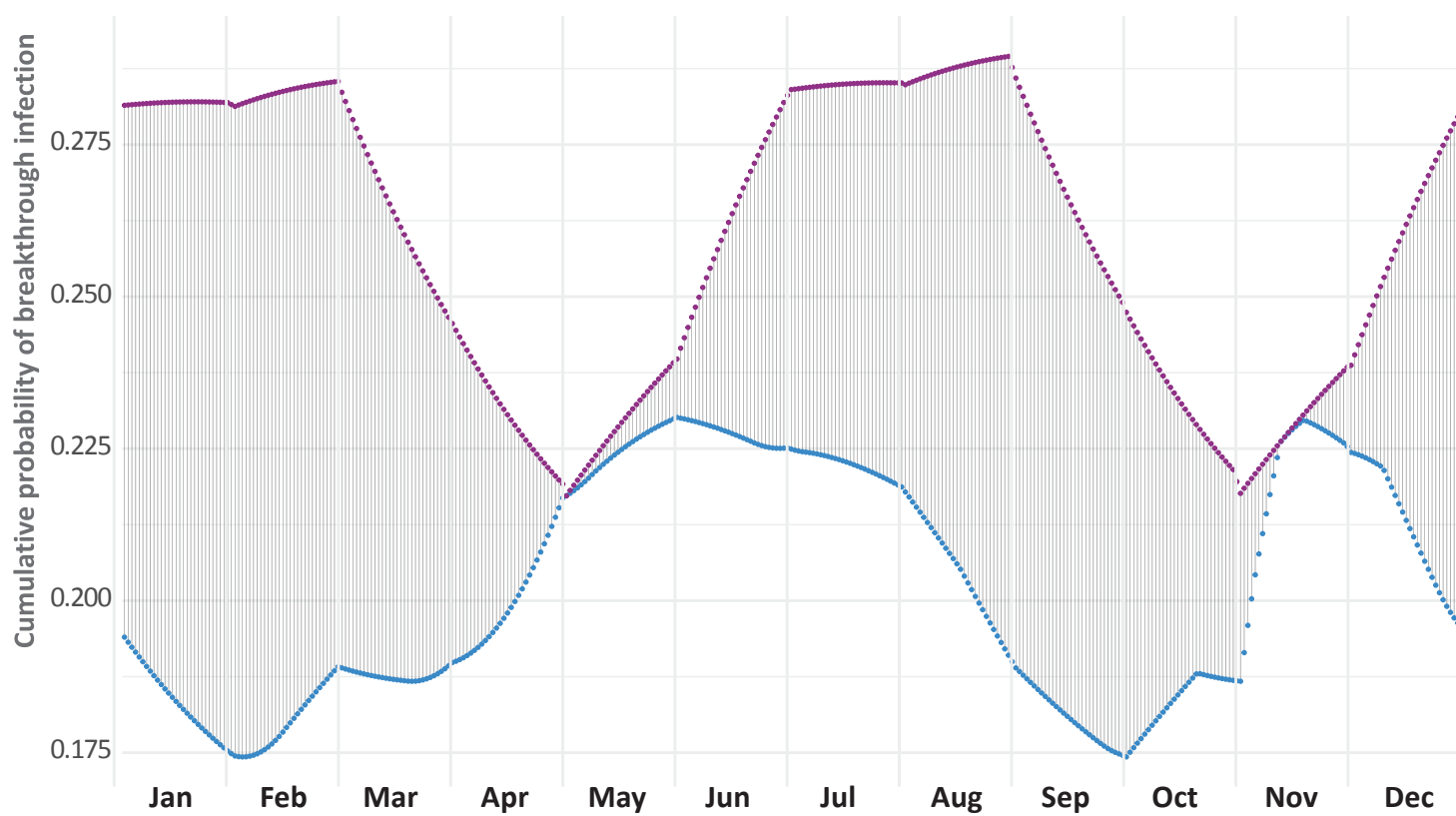
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H

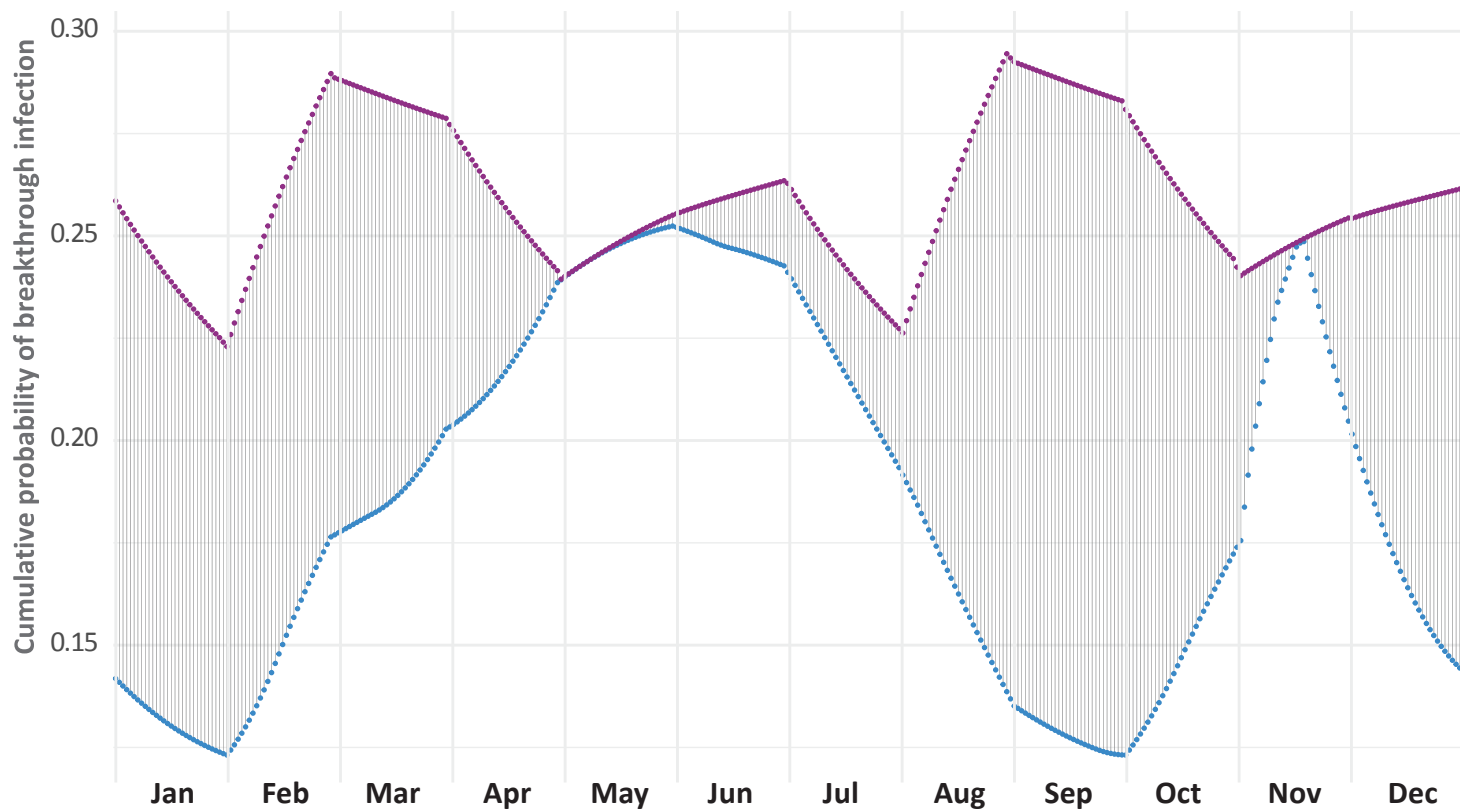
SOUTH KOREA



F**NEW YORK CITY, 2024****F****TRØNDELAG, NORWAY**

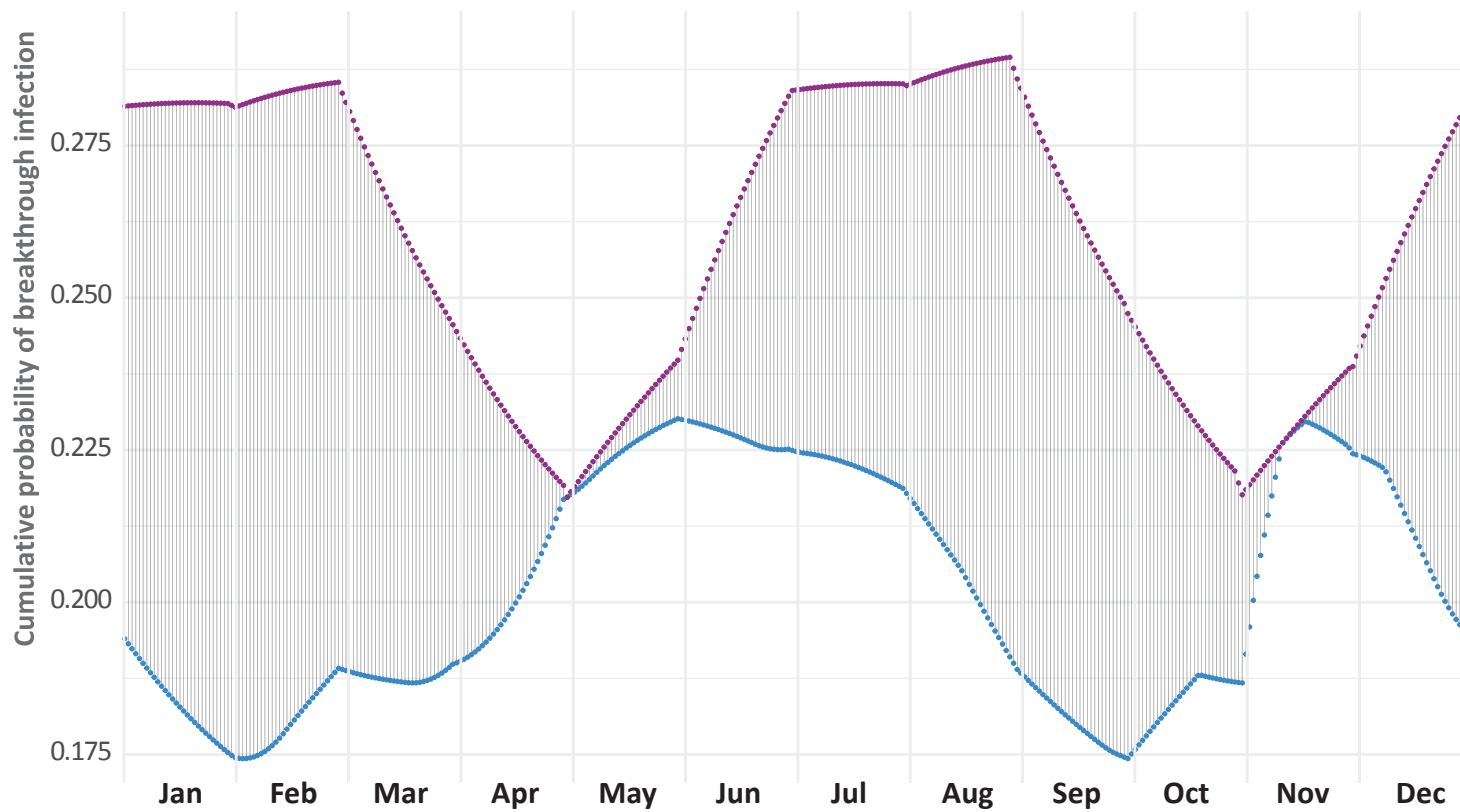
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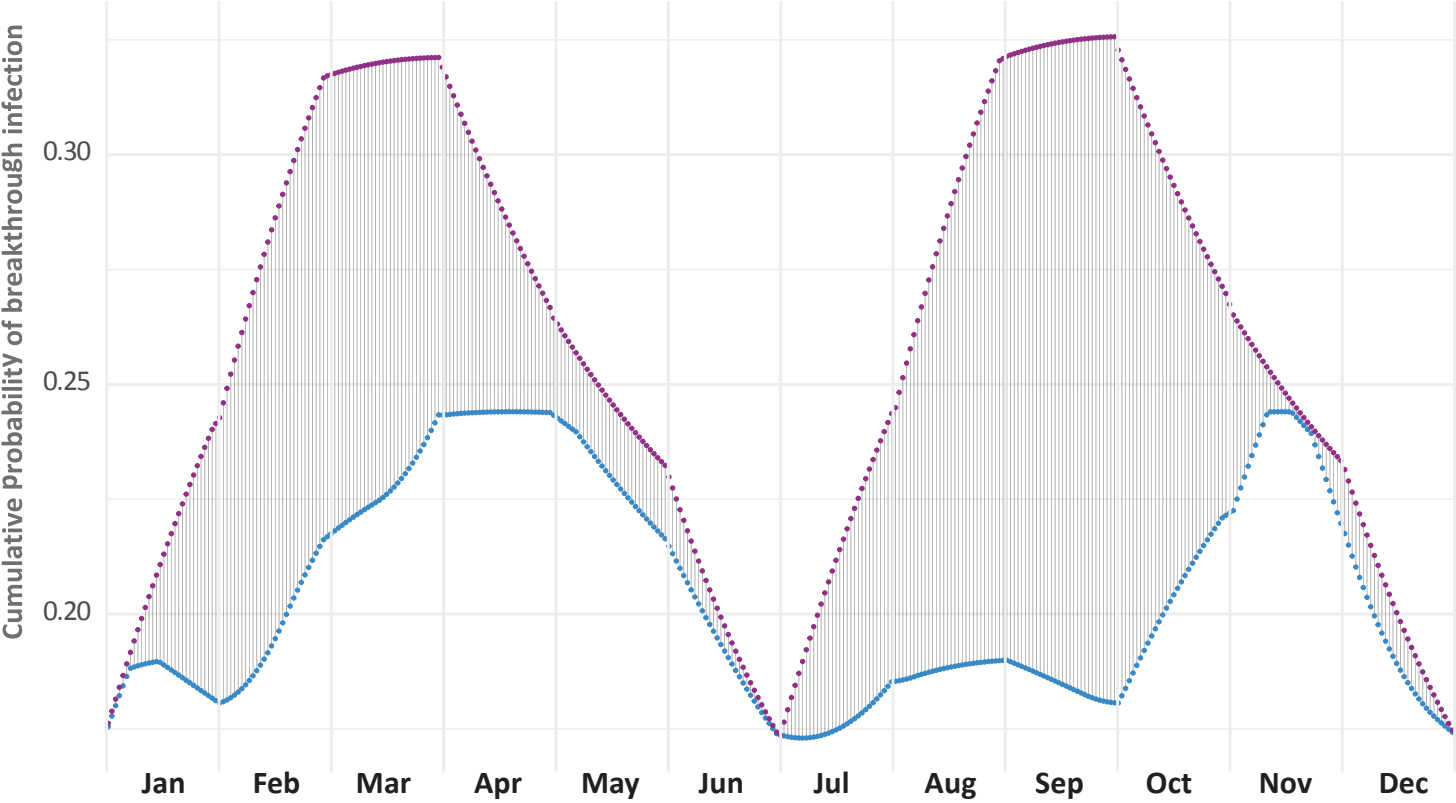


J

GUANGZHOU, CHINA



K YAMAGATA, JAPAN



L NEW YORK CITY

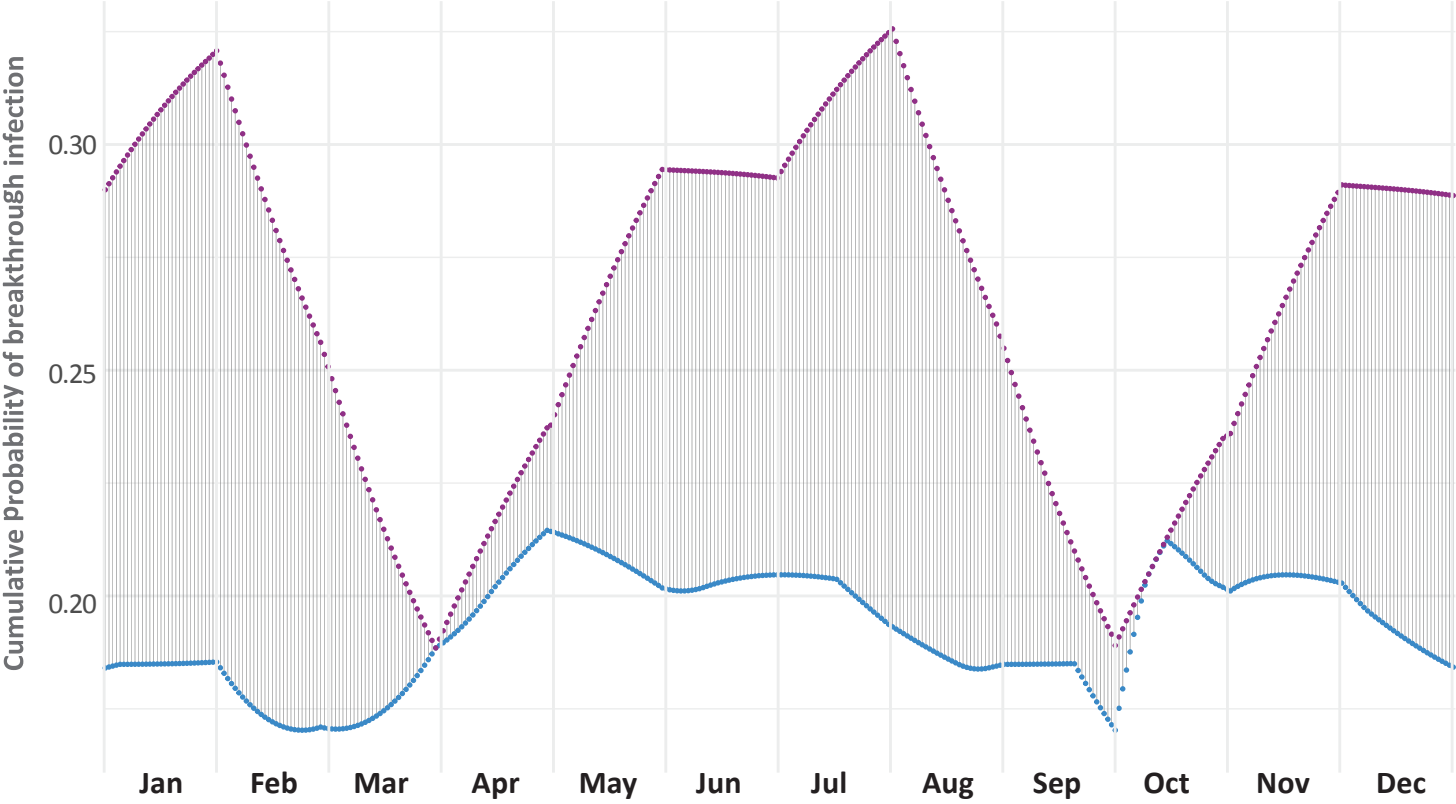


Figure S3. Cumulative probabilities of breakthrough infection over one year for optimal biannual boost pairings (blue) and six month booster pairings (purple) for **A.** Stockholm, Sweden; **B.** Gothenburg, Sweden; **C.** Nepal; **D.** Beersheeba, Israel; **E.** New York City in 2024; **F.** Trøndelag, Norway; **G.** Amsterdam, Netherlands; **H.** South Korea; **I.** Edingburgh, UK; **J.** Guangzhou, China; **K.** Yamagata, Japan, **L.** New York City, New York.