

**JOINT FILING AGREEMENT**

The undersigned hereby agree to the joint filing of the Schedule 13G to which this Agreement is attached.

Dated: 5/15/2025

ARTISAN PARTNERS ASSET MANAGEMENT INC,  
for itself and as the general partner of  
ARTISAN PARTNERS HOLDINGS LP

By: Gregory K. Ramirez \*

ARTISAN INVESTMENTS GP LLC,  
for itself and as the general partner of  
ARTISAN PARTNERS LIMITED PARTNERSHIP

By: Gregory K. Ramirez \*

\*By: /s/ Gregory K. Ramirez

Gregory K. Ramirez  
Executive Vice President of Artisan Partners Asset Management Inc.  
Vice President of Artisan Investments GP LLC