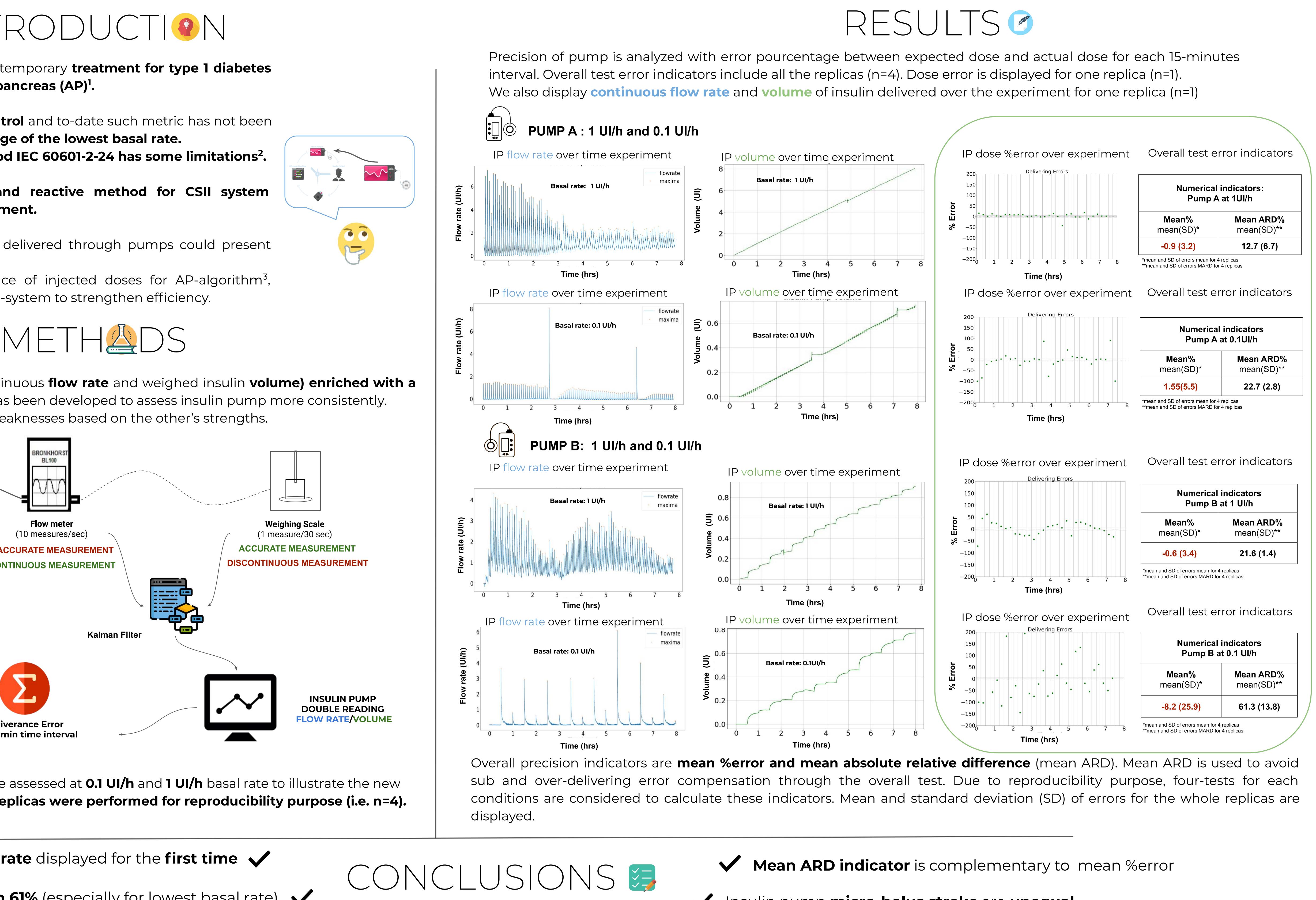
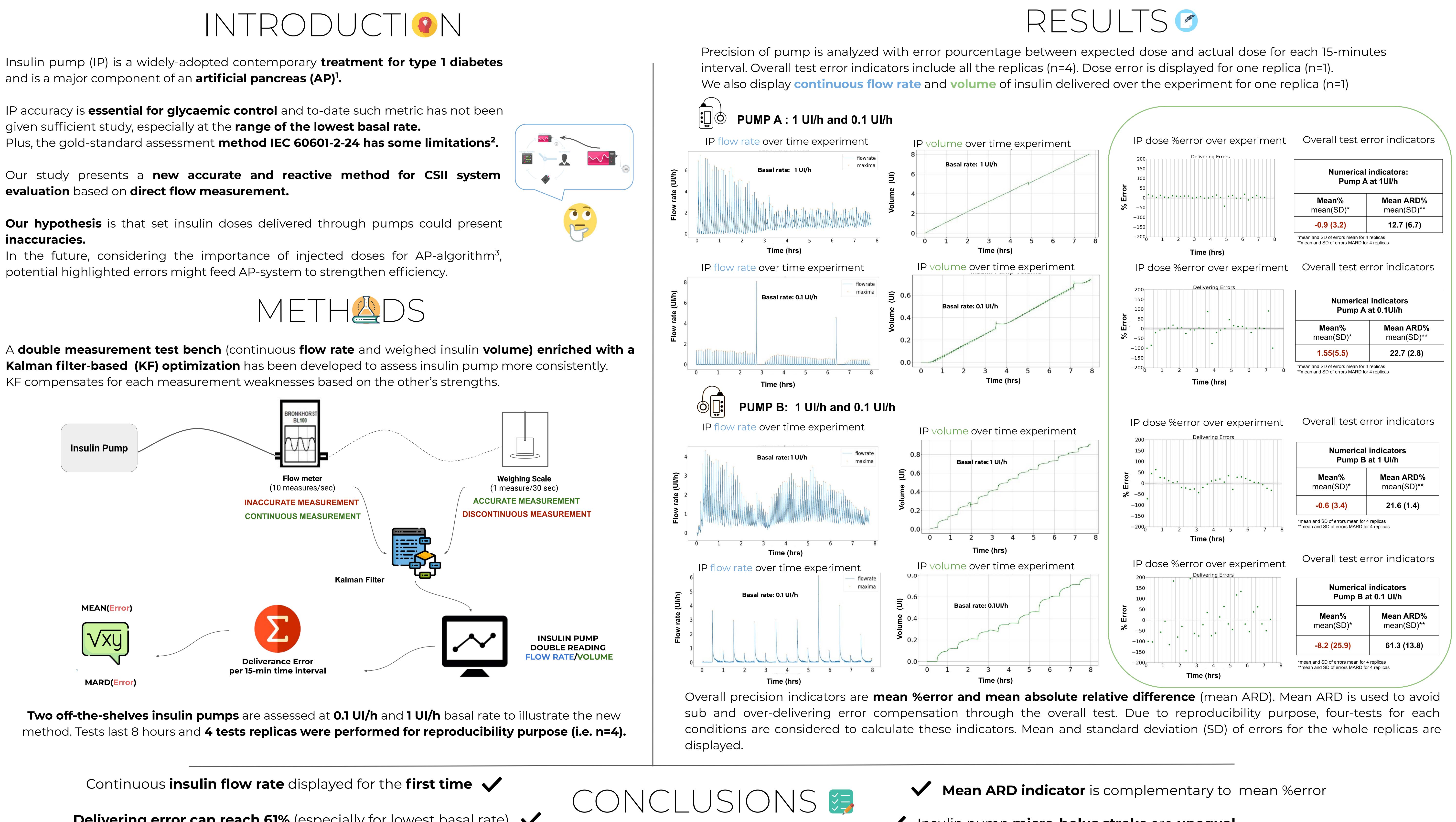
Basal rate CSII accuracy assessment using a new developed evaluation method

and is a major component of an artificial pancreas (AP)¹.

evaluation based on direct flow measurement.

inaccuracies.





Delivering error can reach 61% (especially for lowest basal rate)

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Insulin pump **micro-bolus stroke** are **unequal**

References:

- 1. Doyle, F. J., Huyett, L. M., Lee, J. B., Zisser, H. C. & Dassau, E. Closed-Loop Artificial Pancreas Systems: Engineering the Algorithms. Diabetes Care
- 2. IEC 60601-2-24 Infusion pumps what's the story? MEDTEQ Available at https://www.medteq.net/article/2018/9/21/iec-60601-2-24-infusion-pumps-whats-the-story.
- 3. Bally, L. et al. Closed-Loop Insulin Delivery for Glycemic Control in Noncritical Care. New England Journal of Medicine 379, 547–556 (2018).