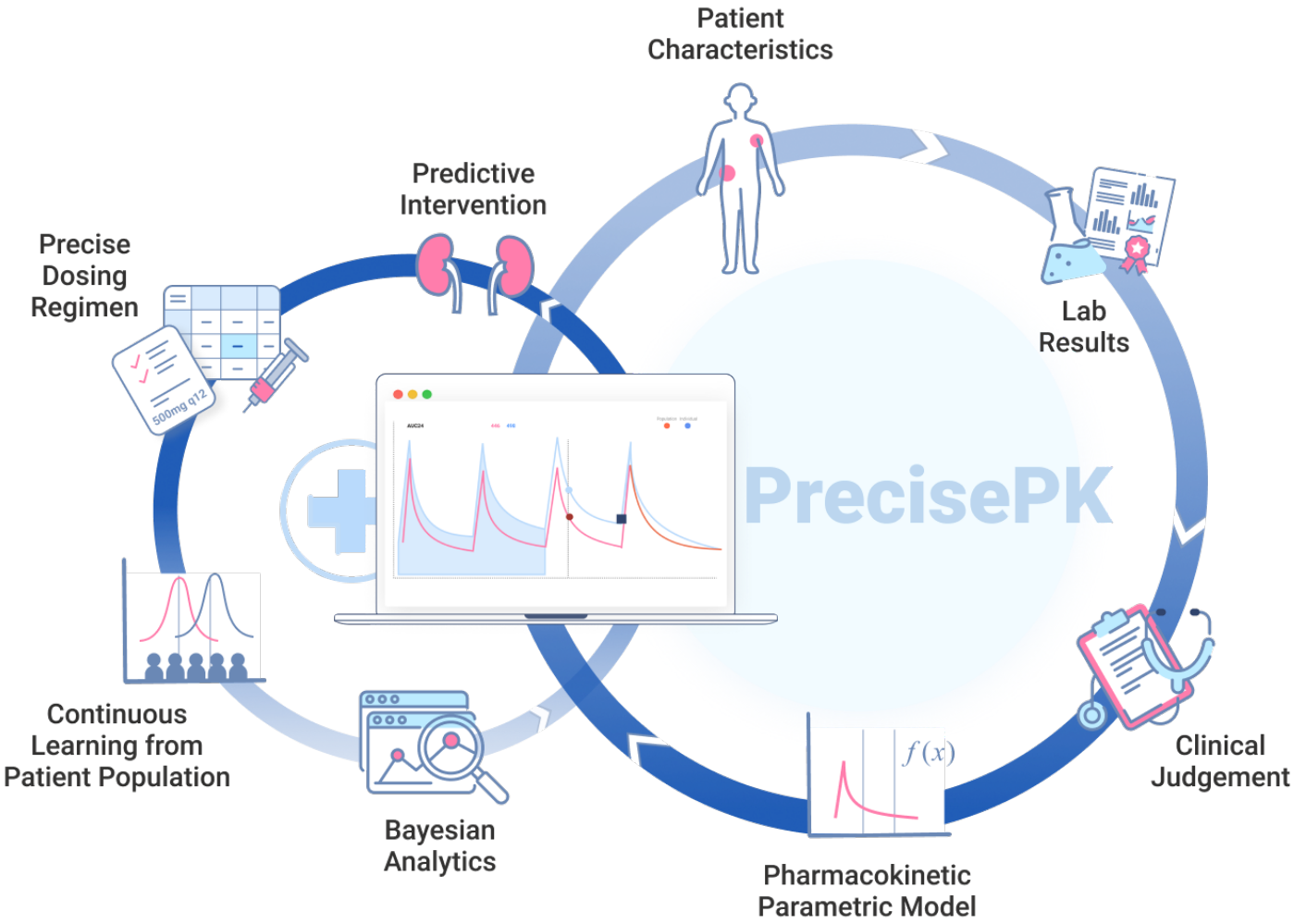
PrecisePK

Bayesian-Derived AUC-Guided Vancomycin Dosing



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The Most Significant Changes in the 2020 IDSA Vancomycin Guidelines

2009 *IDSA Guideline*

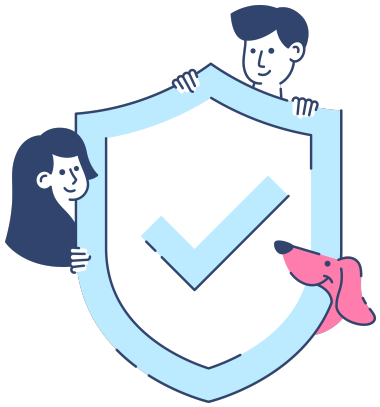
Trough was used as a surrogate marker for AUC/MIC

2020 *IDSA Guideline*

use of **AUC/MIC** and **Bayesian dosing software** as a method of choice to target AUC

- Individualized target of the **AUC24/MIC BMD ratio of 400-600** should be advocated to achieve clinical efficacy while improving patient safety (IIA)
- **AUC-guided** dosing and monitoring is the most accurate and optimal way to manage vancomycin dosing (IIA)
- **Trough** serum vancomycin concentration monitoring is **no longer recommended**
- **Bayesian** approach is the preferred method of calculating AUC

Incorporate the new guideline change into your clinical practice and research activities by



- Partnering with a **Bayesian-guided**, **institutionally trusted**, precision dosing platform that is validate as the most accurate and the least biased
- Training clinicians and colleagues to use Bayesian software to individualize the dosing for unique patient cases to target the most optimal therapeutic range
- Utilizing precision dosing platform to help solve the crisis of antimicrobial resistance

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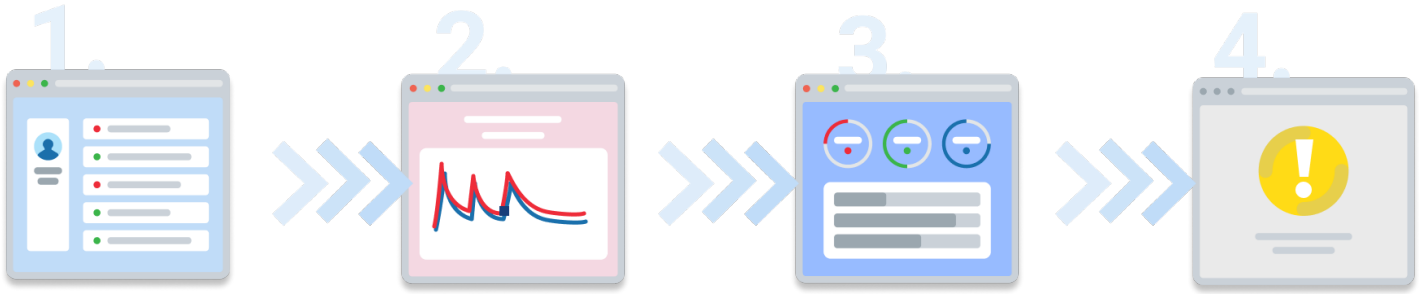
Our Products & Services

Help make the implementation of an AUC-based dosing protocol into clinical workflow practical and easy



1. Create or load a patient's medical data
2. Monitor patient's real-time data
3. Recommend doses using continuous learning
4. Predict intervention and toxicity alerts 24/7

State of the Art Bayesian-Estimated AUC Targeting

- Use population PK parameters as Bayesian prior and a patient's observed serum concentrations to calculate the Bayesian posterior PK parameters
- Use as little as **one trough level** to accurately estimate vancomycin AUC—help achieve target exposure early

Individualized Precision Dosing and TDM

- Find the most accurate dosage regimen for unique patients
- Maximize the efficacy and minimize adverse events
- Use proper therapy targets to fight against antimicrobial resistance

Flexible Workflow and Intuitive User Experience

- Effortless team collaboration through shared databases across institutions
- Intuitive user interface and excellent customer & clinical support team
- Compatible with Chrome, Firefox, Edge, and Safari- no installation required

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Who We Are

• PrecisePK is a Therapeutic Drug Monitoring (TDM) and Precision Dosing platform that provides accurate and individualized dosing recommendations, which was validated as the most accurate and the least biased Bayesian-estimated vancomycin AUC using as little as one trough level. (Turner et al 2018; 38(12):1174-1183 ACCP)

• Formerly known as T.D.M.S.2000, PrecisePK is institutionally trusted for over 30 years of clinical use experience. Since 1986, we have served renowned institutions such as **UC San Diego**, **UCSF**, **Scripps Health**, **Rady Children's Hospital** and **Sharp Healthcare**.

• PrecisePK utilizes Bayesian Analytics, machine learning, and clinically validated research, which is consistent with changing guidelines to estimate the most accurate AUC and other monitoring parameters for individual.

TRUSTED BY UC San Diego KGI Sparrow SHARP UCSF Benioff Children's Hospitals Rady Children's Hospital San Diego

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