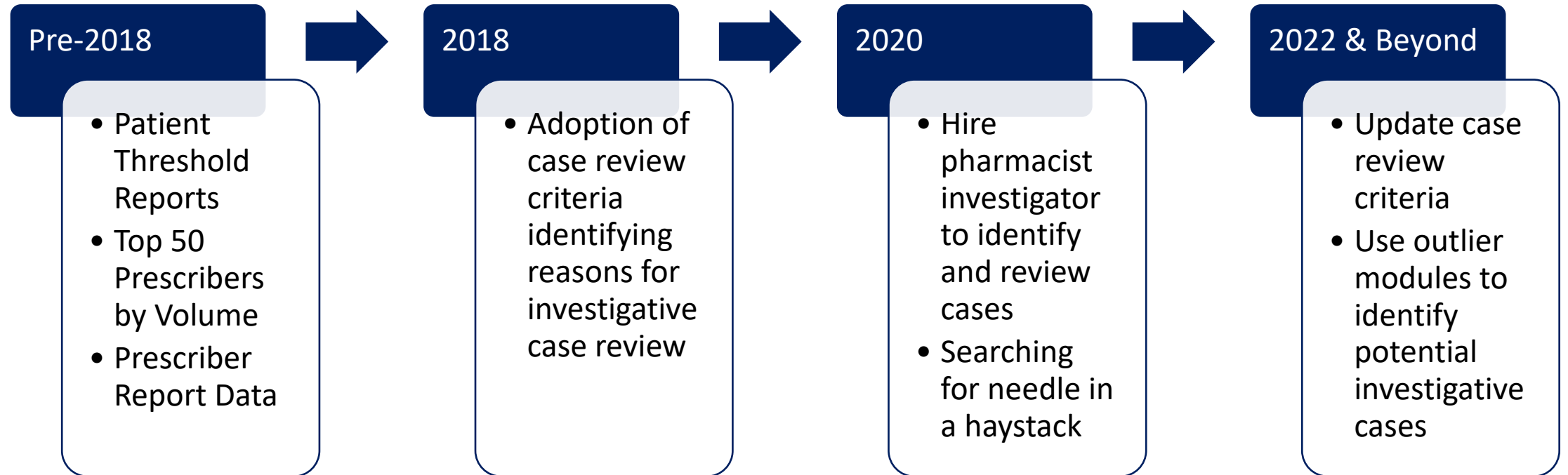K-TRACS

Implementation of Outlier Modules for Investigations & Education

K-TRACS Advisory Committee

- K-TRACS Advisory Committee is authorized to review and analyze program data for the purposes of identifying patterns and activity of concern

- 14-member committee
  - 7 prescribers
  - 6 pharmacists
  - 1 law enforcement

K-TRACS Investigation

Pre-2018
- Patient Threshold Reports
- Top 50 Prescribers by Volume
- Prescriber Report Data

2018
- Adoption of case review criteria identifying reasons for investigative case review

2020
- Hire pharmacist investigator to identify and review cases
- Searching for needle in a haystack

2022 & Beyond
- Update case review criteria
- Use outlier modules to identify potential investigative cases

Case Review Criteria

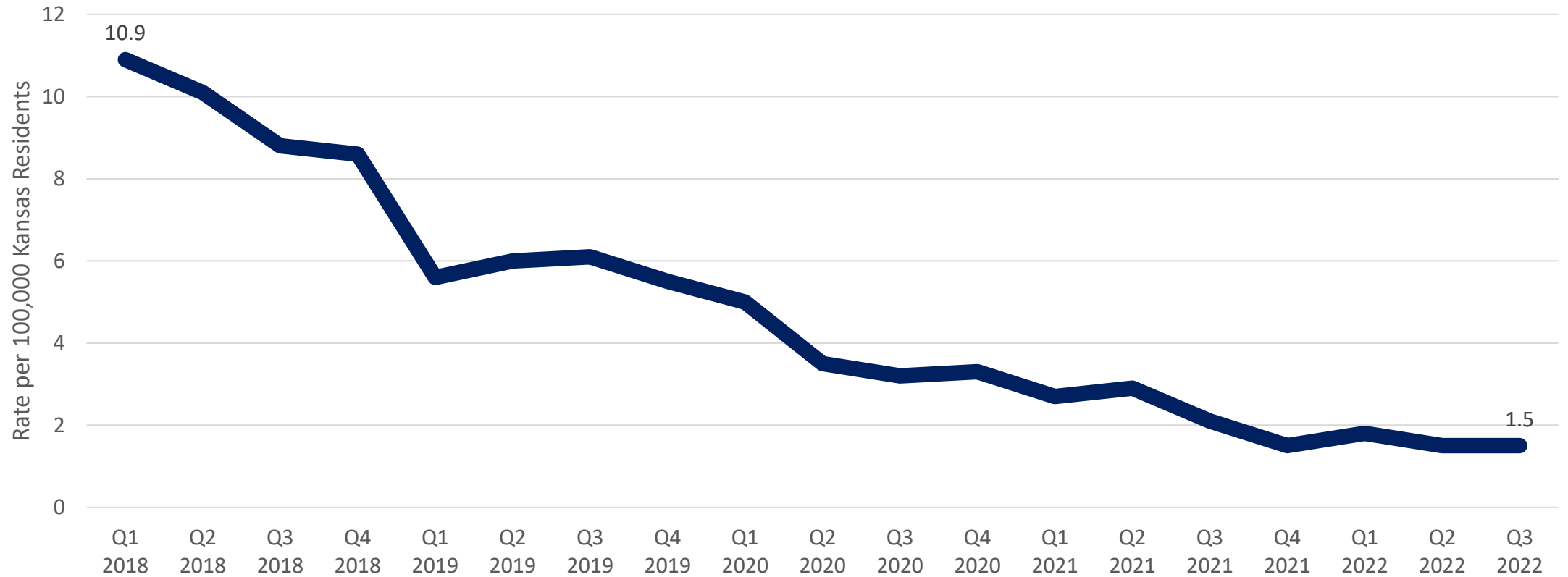| Person of Concern	Prescriber of Concern	Pharmacy of Concern
• **Threshold Patient Criteria** • Overlapping prescriptions (same drug class, different prescribers/pharmacies) • Early refills	• Multiple patients ≥90 MME • Multiple threshold patients • Prescribing duplication of therapy • Prescriptions written for family members of same household with same drug/dosage/quantity	• Reporting delinquency, outstanding errors and data quality issues • Multiple threshold patients • Dispensing ED prescriptions for the same or similar prescriptions that patient already has • Dispensing opioids, stimulants and benzo to the same patient simultaneously

*Mitigating factors: Prescriber specialty (hospice, MAT, oncology); practice setting; etc.

Multiple Provider Episodes

Rate of Multiple Provider Episodes for Prescription Opioids (per 100,000 residents)

Threshold Patient Criteria

- 5+ Prescribers
- 15+ Prescriptions
- 300+ Days Supply
- ≥ 50 MME
- Exclude MAT Opioids

Threshold	Number of Patients
5+ Prescribers	1,430
5+ Prescribers, 5+ Pharmacies	20
5+ Prescribers, 15+ Prescriptions	220
5+ Prescribers, 15+ Prescriptions, 300+ Days Supply	107

Adding Educational Pathway

- Automatic triggers for educational letters
  - Top 5% of prescribers in any criteria category with no K-TRACS usage in preceding 6 months
  - Pharmacies with threshold patients and no history of reviewing K-TRACS for those patients

Outlier Modules

- Originally intended to be used for investigation and education initiatives (2 of 3 strategies included in BJA grant)

- 3 modules: prescriber, stimulant, pharmacy

Prescriber Outlier Module

- Based on overdose decedent data
- Generates top 25 outliers based on variety of factors
- Includes 3 years' worth of data in scoring model

Prescriber Outlier Module – Kansas Results

- 40% of prescribers were providing MAT

- Case Review Criteria Mitigating Factors:
  - Treatment providers
  - Rural location or patient population

Prescriber Outlier Module **v 2.0**

- GAM to remove pharmacy outlier & revamp prescriber module
- Create a threshold report instead of a scoring model
  - Early refills (5+ days)
  - Multiple provider episodes in combination with overlapping prescriptions
  - Growth rate of prescribing volume
  - MME duration (how long has the patient been at the same high MME level without tapering?)
  - Maintain focus on opioids/sedatives

Stimulant Outlier Module

- Stimulant daily strength equivalent
  - Daily dosage based on manufacturer recommended max dose
- Likelihood of specialty to prescribe
- Number of stimulant patients
- Number of patients with high dosages
- Overlapping benzo usage

- *Anticipated delivery: January 2023*