HOW PHARMACISTS CAN LEARN FROM ELITE ATHLETES AND THEIR USE OF ANALYTICS

GUS GOTTFRED - COLLEGE OF PHARMACISTS OF MANITOBA

CONFLICT OF INTEREST/DISCLOSURE

There are none

LEARNING OBJECTIVE

• Reflect on the value of incident data and the use of analytical tools to improve patient safety in your pharmacy practice
A BIT ABOUT MYSELF

• I have worked at the College for nearly two years
• No background in Pharmacy when I started
• I have tracked stats/analytics since 2004 for the Moose/Jets

WHAT ARE ANALYTICS AND HOW ARE THEY USED IN SPORTS?
• Teams figure out potential weaknesses as a group
• Then analyze individual players for weaknesses
• Come up with solutions
• Meet again as a group
SPORTS CULTURE

Kyle Dubas - GM - Toronto Maple Leafs

John Chayka - GM - Arizona Coyotes
IT DOESN'T MATTER WHAT PROFESSION YOU ARE IN, USING ALL AVAILABLE DATA TO IMPROVE YOUR CRAFT IS CRUCIAL TO DEVELOPING AS A PROFESSIONAL PHARMACISTS
HOW DO YOU START?

- Report to your database
- Watch for trends
- Discuss as a group
- Make changes in processes
AS MUCH AS I LOVE DATA, IT CANNOT BE SOLELY RELIED ON WHEN ANALYZING MEDICATION INCIDENTS
# Qualitative and Quantitative

| Source: Hospital News - August 2019 edition |
|---|---|

## Qualitative

**Benefits**
- Offers a quick summary of incident rates
- Allows monitoring of trends

**Limitations**
- Does not address case-specific contributing factors
- Does not identify incident rates
- Can be time-consuming

## Quantitative

**Benefits**
- Allows identification of case-specific contributing factors

**Limitations**
- Does not address incident rates

---

# What Can We Achieve and How Can We Achieve It?
IN CONCLUSION

• We need analysis and recommendations to be strong enough so similar events can be prevented.
• To achieve this, it requires a commitment of time, resources, and expertise.
• In the end, a deeper look at the narratives surrounding the incidents is necessary.

ANY QUESTIONS?