



PHARMACY ADVISORS

ASAP

American Society for Automation in Pharmacy

The Future Through
My Rear-View Mirror



The Future Through My Rear-View Mirror

Thomas E. Menighan, MBA, ScD
CEO Emeritus, APhA

Founding Partner, Catizone, Luce & Menighan
Thomas.Menighan@PharmacyAdvisors.Pharmacy

202 494-0760 M/TXT

Founding Partner, PursueCare &
CompreCareRx

Assistant Dean, Community Engagement,
WVU School of Pharmacy

The Future Through My Rear-View Mirror

- “The future is here, it’s just not evenly distributed.” William Gibson
- “It’s easy to predict the future, it’s hard to predict when.” T. Menighan
- “Senior executives of the most innovative companies don't delegate creative work. They do it themselves.”
The Innovators DNA, Clayton Christensen
- Discovery skills – Associating, Questioning, Observing, Experimenting, and Networking
- “85% of the jobs that will exist in 2030 haven’t been invented yet.” Dell
- “If it’s not on the glass, it doesn’t happen!” William Fleming, Humana
- Innovation always pushes solutions closer to the consumer. Christensen
- The importance of lifelong learning

What If My Pharmacy Management System Could....

- Facilitate integration of current and future technologies
- Facilitate team-based care
- Take Quality Measurement data to implementation
- Optimize analytics from PDMP
- Facilitate provision of pharmacists' services
- Optimize precision therapeutics with pharmacogenomics
- Complete and connect the data ecosystem
- Integrate wearable and digital therapeutics data to optimize care
- Integrate pharmacists' services to in value-based contracting

No System Is
An Island!



Facilitate Integration of Technologies

- Electronic Health Record
 - Access and Input
 - Diagnosis sharing
 - Genetic data
 - Support development through Pharmacy HIT Collaborative
- Pharmacy dispensing records
 - Medication Synchronization
- E-Care Plan
 - Support continued development, integration and uptake
 - See Troy's presentation

Facilitate Team-Based Care

- Medicine, Pharmacy, Dentistry, Nursing, Public Health schools all are required to teach team-based care
- This interprofessional education standard assures team-based care is the model of the future
- Today, would-be teammates generally operate in isolation outside of inpatients and health systems
- How do we connect the teammates?
- How do we use team-based care to enhance outcomes?
- In value-based payment systems, how do we attribute each clinician's efforts in measurement of success?



Quality Metrics & PDMP Analytics

What If My System Could...

- Help me optimize use of PQA quality metrics and PQS Analytics?
 - PQA measures used by CMS to determine payment to plans
 - Also used by plans for a growing array of measurements and payment
 - Move toward value-based care and need to quantify contributions
 - Key is to connect identified gaps or sub-optimal adherence with effective, sustainable services
 - Current PQS EQUIPP platform evolving rapidly
 - https://www.pqaalliance.org/assets/Measures/2020_PQA_Measures_Overview.pdf

What If My System Could...

- Speed up access and processing time with the PDMP?
- Enhance analysis of patient data?
- Be part of my workflow (...on the glass)?
- Document in reportable fashion actions resulting from PDMP review?
- Qualitatively characterize and report on patients beyond targeted meds and red flags with additional patient-specific data on their care
- Document compliance and results of toxicology screens
- Document compliance with behavioral health treatment plan/guidelines
- Report patient outcomes of care – Did actions for the individual and in the aggregate make a difference?

Facilitate Provision of Pharmacists' Services

- Provide secure communications among providers, patients, pharmacists, other on teams
- MTM and clinical services management, documentation, staffing, scheduling, workload balancing, follow up
- Billing support for patient care services beyond NCPDP for pharmaceuticals – integration of NCPDP data with EHR
- Facilitate billing on the “medical side”
- Incident reporting/analytics/PSO connectivity

Optimize Precision Therapeutics With Pharmacogenomics

- Integrate patient-specific genetic profile with drug profile
- Screen for appropriate recommendations just as with drug Interactions
- Optimize therapeutics, team-based care
- Enable ongoing evaluations and utilization of results
- Create “stickiness” between pharmacies and patients
- Provide reporting and billing capabilities to and with other providers

Complete and Connect the Data Ecosystem

- Supply chain management on steroids possible – from manufacture to consumption (adherence) or disposal
- Data from Drug Quality and Security Act (DQSA - 2013) and Title II Drug Supply Chain Security Act (DSCSA)
- Pharmacy inventory and dispensing data
- Patient use data
- Disposal data, including reverse distribution, safe home disposal, and alignment of FDA, DEA, EPA policies on disposal

Integrate Digital Therapeutics and Wearables Data to Optimize Care

- Tech pushes solutions closer to consumer
 - Artificial Intelligence and big data being brought to bear
 - Wearables will gather data on everything
 - Who assimilates, who interprets?
 - Who ACTS on intelligence? Who reinforces action?
 - Are there pharmacy services to be defined/created?
 - What if my pharmacy system put me at the nexus together with my healthcare teammates?

Integrate Pharmacists' Services With Value-Based Contracting

- Participate in current P4P pilots
- Participate in measure development
- Help pharmacists get more adept at assimilating data from EHR
- Empower development of analytics to assess risk to patients AND to practice in risk-based arrangements

What If My Pharmacy Management System Could....

- Facilitate integration of current and future technologies
- Facilitate team-based care
- Take Quality Measurement data to implementation
- Optimize analytics from PDMP
- Facilitate provision of pharmacists' services
- Optimize precision therapeutics with pharmacogenomics
- Complete and connect the data ecosystem
- Integrate wearable and digital therapeutics data to optimize care
- Integrate pharmacists' services into value-based contracting

Thank You!

