



Pharmlytix™ AI Governance & Compliance Statement

Purpose

Pharmlytix™ is an artificial intelligence (AI)-enhanced clinical decision support platform designed to assist consultant pharmacists and healthcare providers in optimizing medication therapy for older adults. The platform aligns with the American Society of Consultant Pharmacists (ASCP) Position Statement on the Use of Machine Learning and Artificial Intelligence in the Care of Older Adults (2024) and follows the ONC's Health Data, Technology, and Interoperability (HTI-1) final rule requirements for algorithm transparency.

Governance Principles

Pharmlytix™ adheres to the **FAVES** framework recommended by ASCP — ensuring that every AI-driven function is:

- **Fair:** Designed and tested to minimize population bias through inclusion of diverse geriatric datasets.
 - **Appropriate:** Used as a clinical decision support tool, not a substitute for professional judgment.
 - **Valid:** Regularly benchmarked against current evidence-based standards of care (Beers Criteria, STOPP/START, renal dosing guidance, etc.).
 - **Effective:** Demonstrated to enhance workflow efficiency and improve identification of medication-related problems.
 - **Safe:** Monitored for accuracy, hallucination, and model drift; human oversight is required before clinical actions are taken.
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Clinical Oversight & Human Accountability

Pharmlytix™ augments, not replaces, the professional judgment of licensed clinicians. Each recommendation is advisory in nature and must be reviewed, accepted, or rejected by the consultant pharmacist or prescribing provider. Pharmlytix™ includes internal documentation tools to record this validation process, ensuring clear accountability and traceability.

Transparency & Validation

- All algorithms used within Pharmlytix™ are explainable and reference evidence-based clinical logic.



- AI-generated outputs include context explaining the basis for recommendations.
 - Periodic audits compare AI recommendations with expert pharmacist reviews to identify drift or bias.
 - Version control is maintained for all algorithm updates, with detailed changelogs and performance validation.
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Privacy, Security, and Compliance

Pharmlytix™ operates within HIPAA and HITECH-compliant infrastructure.

- All data is encrypted in transit and at rest.
 - Data storage and transmission comply with U.S. federal and state data protection requirements.
 - No patient data is used to train proprietary models without explicit written consent and Business Associate Agreements (BAAs).
 - Access controls and audit trails ensure traceability of all user activity.
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Ethical Oversight & Continuous Improvement

Pharmlytix™ maintains an internal AI Ethics & Validation Committee composed of pharmacists, developers, and compliance advisors. This team reviews:

- Algorithm performance and fairness
 - Accuracy and interpretability
 - Alignment with ASCP, ONC, FDA, and HHS guidelines
 - Feedback from users and clinical partners
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Summary Commitment

Pharmlytix™ is committed to the responsible use of AI in medication management — improving clinical efficiency, enhancing resident safety, and upholding the highest ethical and regulatory standards in long-term and senior care.