

# AGILEMD – CLINICAL PATHWAYS TO ENHANCE PROVIDER WORKFLOW

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## BACKGROUND

AgileMD is an EHR-integrated clinical decision support tool that provides customizable workflows utilizing Epic's Active Guidelines activity.

Pathways aid clinical practice by making it easier to: review up-to-date practice guidelines, use risk stratification calculators, place recommended orders, and safely disposition patients

### Goals:

- Improve workflow efficiency for common complaints
- Provide decision support for uncommon events
- Encourage multi-department collaboration
- Establish standards of practice

## IMPLEMENTATION PLAN

### Phase I:

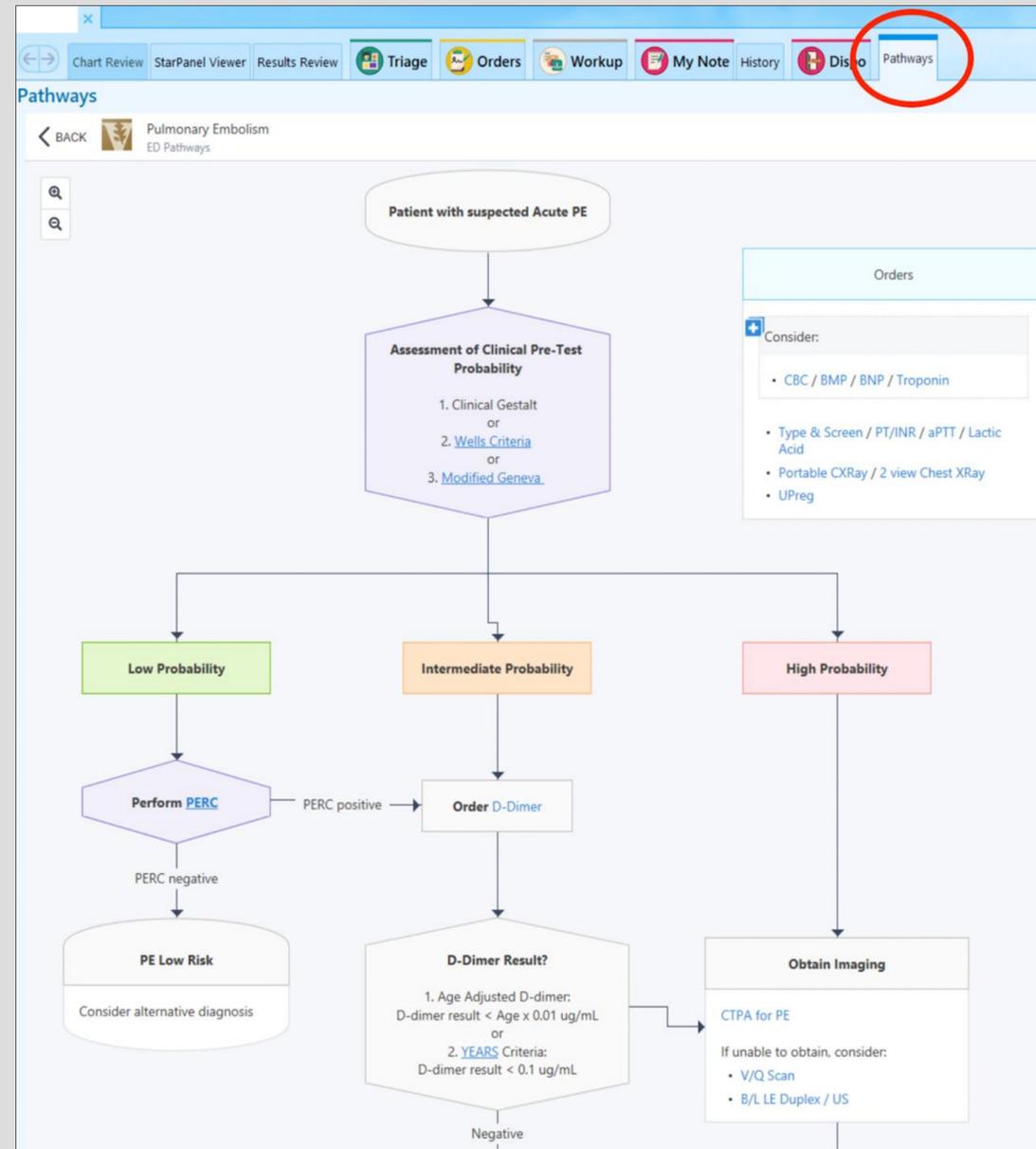
- Pathway creation
- Go-Live April 2022

### Phase II:

- HL7 integration for lab, flowsheet, ADT visualization

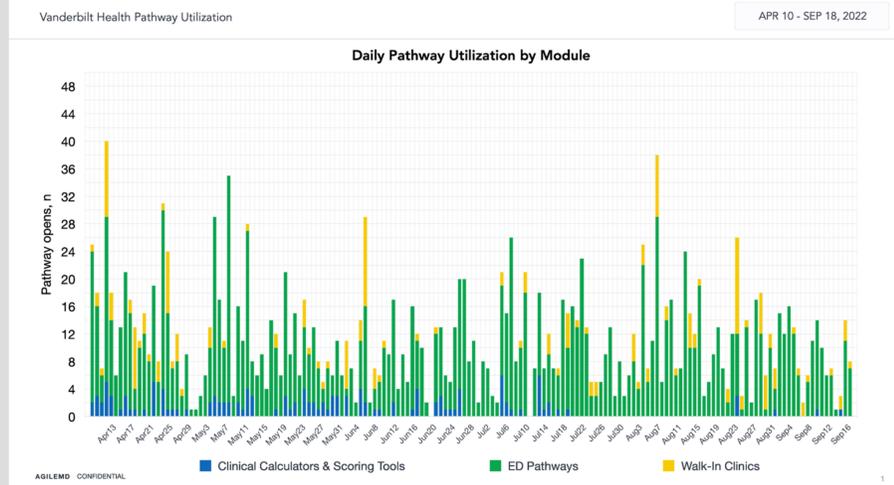
### Phase III:

- Analytics data warehouse
- Dashboard monitoring, ETL data feed for analyzing usage, process, outcome metrics



## DATA COLLECTION

### Pathway Utilization



Module Title	File Name	Total Opens To Date	Total Opens in the Current Reporting Week	Percent Change in Utilization From Prior Week
ED Pathways	Opioid Use Disorder	389	14	100%
ED Pathways	Monkeypox	86	9	-25%
ED Pathways	Chest Pain	276	7	-59%
ED Pathways	Outpatient COVID Medication Management	27	6	50%
Walk-In Clinics	Upper Respiratory Infection - Adults	80	N/A	N/A

Total Opens: 1,418 in ED and 165 in Walk-In Clinics

## FUTURE SCOPE

Expansion of pathways across Vanderbilt Adult Hospital, Vanderbilt Children's Hospital, and regional hospitals.

Advanced analytics: time to disposition, analysis of provider

Allow bidirectional flow of objective data (labs, flowsheet values)

Improve care coordination: i.e. streamline transitions of care, standardize practice across facilities

## CLINICAL DEPARTMENTS

### Adult ED (11 pathways live):

- Behavioral Health, Cellulitis, Chest Pain, IIH/Papilledema, Kidney Stone, Low Back Pain, Monkeypox, Opioid Use Disorder, Pregnant Vaginal Bleeding, Pulmonary Embolism, COVID management

### Walk-In Clinics (6 pathways live):

- Cellulitis, Low Back Pain, COVID-19, Pulmonary Embolism, URI Adult & Peds

### Next Departments

- Expansion of adult ED & Walk-In Clinic pathways
- Inpatient Adult Hospital Medicine
- Vanderbilt Children's Hospital
- Regional Emergency Departments

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