LaPOST

LOUISIANA PHYSICIAN ORDERS FOR SCOPE OF TREATMENT

REGISTRY

LaPOST

A HEALTH CARE QUALITY FORUM INITIATIVE

VYNCA

Objectives

- ✓ Review paper-based data system challenges for patients and health care professionals
- ✓ Provide overview of the LaPOST Registry:
  - ✓ Technology
  - ✓ Key Benefits
  - ✓ Features
- ✓ Review LaPOST registry user roles and capabilities
- ✓ Resources for implementation of LaPOST Registry
- ✓ Demonstrate registry

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LaPOST and ACP Documents

- Currently exist as paper forms
- Must be readily and reliably available to health care professionals whenever and wherever they are needed to ensure continuity of care as patients:
  - Transition between health settings
  - Experience a change in their health condition
  - Change their treatment preferences

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Paper-Based Data System Challenges for Patients and Health Care Professionals

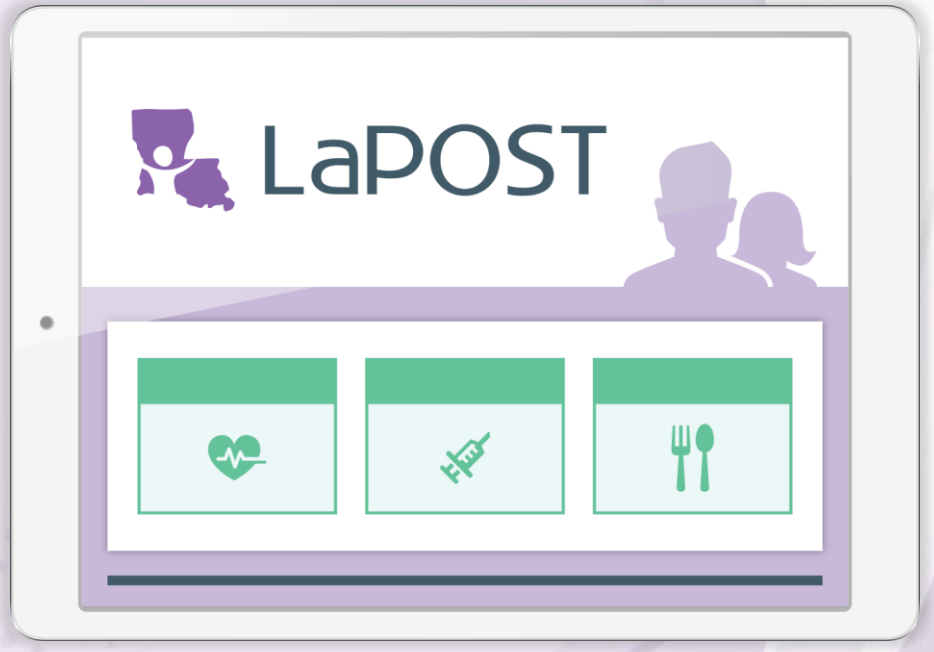
Accessibility	Delays may result in unwanted/ineffective treatment

- Misplaced, misfiled, difficult to locate
- Especially important in emergency medical situations

Incomplete, inconsistent information	May result in contradictory care
Version Control	
Duplication	

LaPOST Registry

The LaPOST Registry is a secure, statewide electronic registry that provides a single source of LaPOST and advance care planning documentation instantly accessible online to authorized health care professionals in any care setting.



LaPOST Registry

- Powered by Vynca
- Enables LaPOST forms to be accessible by other registered health care professionals/organizations
- Allows providers with a valid Louisiana medical license to register for an account to complete and submit LaPOST forms to a centrally accessible database

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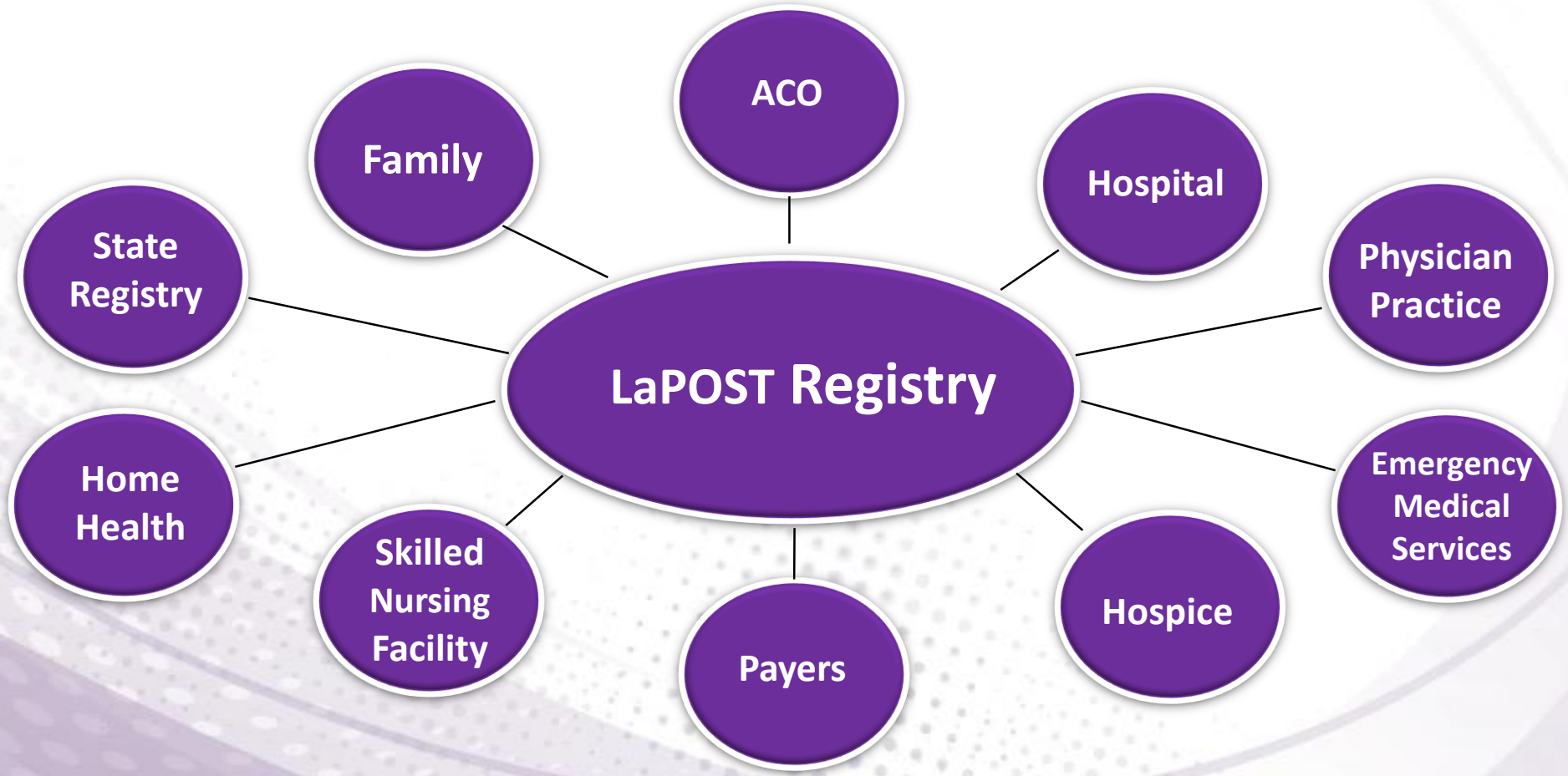
LaPOST Registry Solution

Statewide Electronic End-of-Life Medical Orders Registry

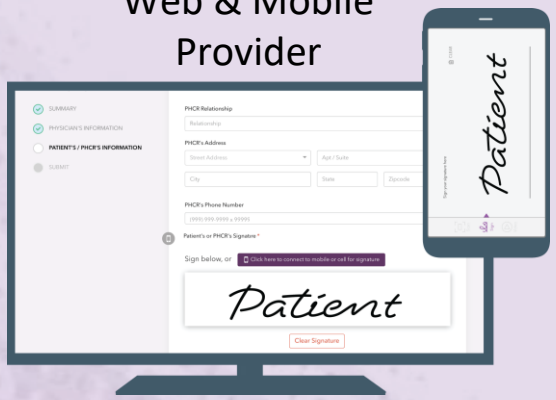


LaPOST

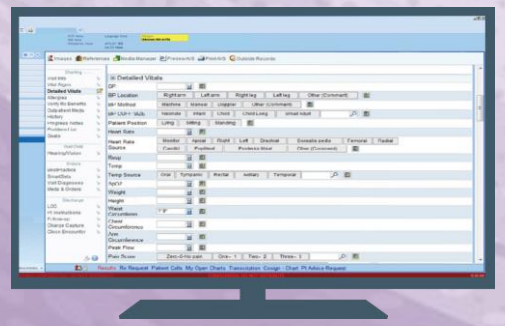
Components of Advance Care Planning Technology

CAPTURE

Web & Mobile Provider



EHR Integration



STORE

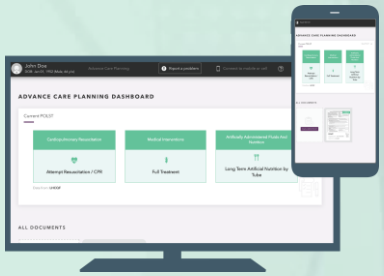
VYNCA

- Machine Learning Patient Matching
- Analytics & Storage
- Data Verification & Error Checking

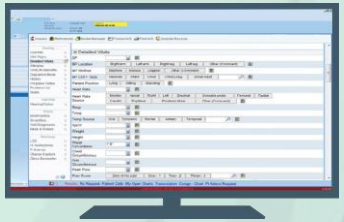
ACCESS

Individual

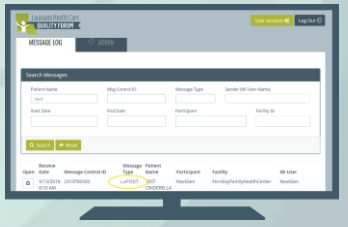
- View
- Void
- Download
- Print



EHR Integration



HIE Integration
Registry Functionality



LaPOST Registry – Key Benefits

- Offers a web-based means for health care providers to electronically complete and submit a legally valid LaPOST form and other ACP documents using a simple, intuitive user interface to a centralized registry
- Creates a sustainable, statewide LaPOST registry network
- Increases accessibility to LaPOST and ACP documents
- Enables accurate LaPOST completion
- Renders an electronic, printable PDF of the LaPOST form

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LaPOST Registry Features

- Role-Based Security
- Retrieve & Review LaPOST Forms
- Create Electronic LaPOST Forms
- Patient Access

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LaPOST Registry Features

Role-Based Security

- Uploader
- Preparer
- Signer
- Patient
- Viewer

Retrieve & Review LaPOST Forms

Create Electronic LaPOST Forms

Patient Access

LaPOST

LaPOST Registry User Roles

Signer

- Physicians only

Preparer

- Physicians
- Advanced Practice Professionals
- Social Workers
- Nurses

Viewer

- Clerical Staff and Clinical Providers without credentials to prepare/sign LaPOST document but have job requirement to view patient records

Uploader

- Clerical, Administrative and Clinical Staff who handle and maintain patient medical records

LaPOST Registry Features

Role-Based Security

- Uploader
- Preparer
- Signer
- Patient
- Viewer

Retrieve & Review LaPOST Forms

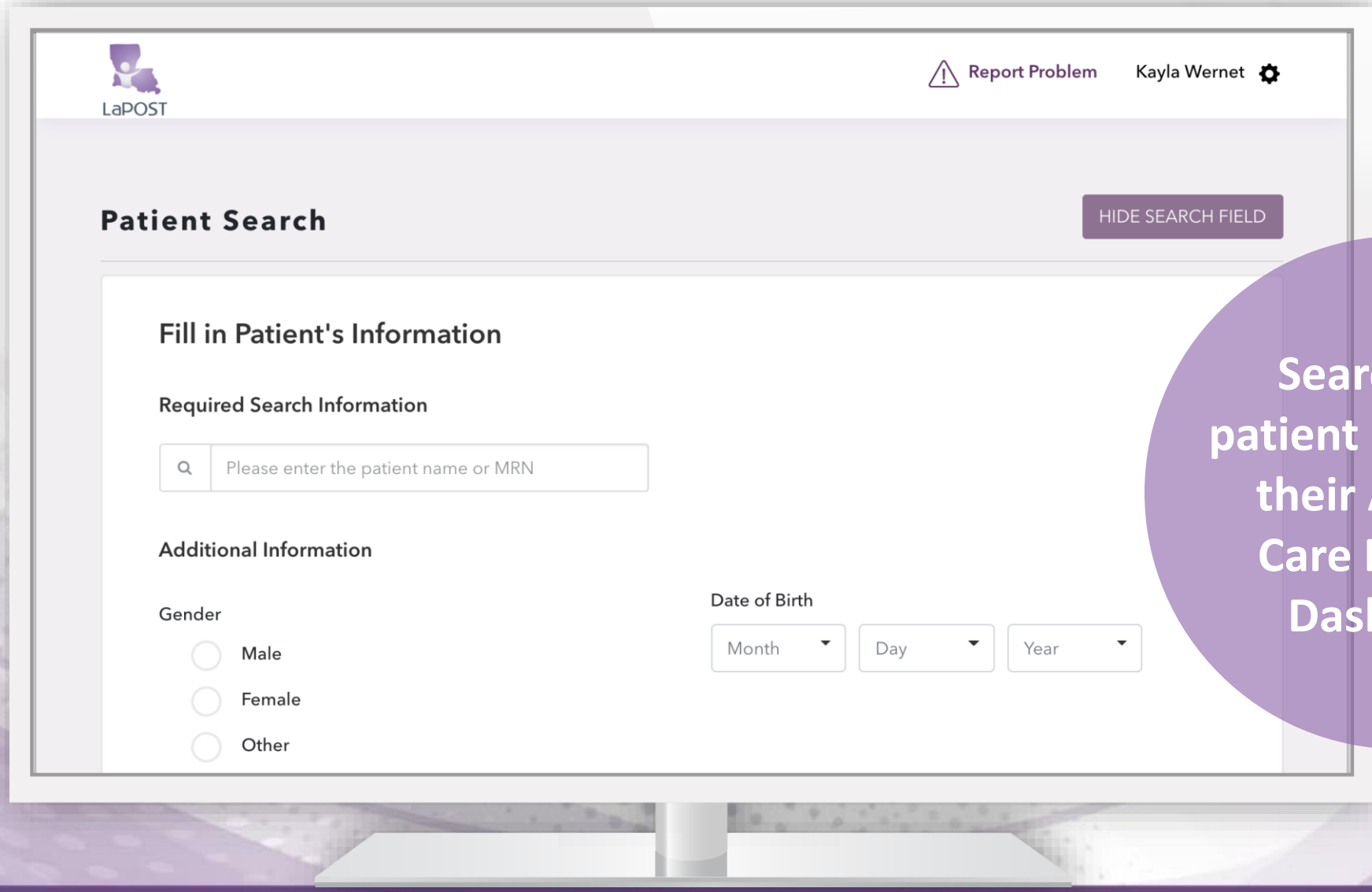
- Patient search
- Dashboard displaying content of most recent form
- Color-coded format for sections A, B & C

Create Electronic LaPOST Forms

Patient Access

LaPOST

LaPOST Registry – Patient Search



Search for a patient and access their Advance Care Planning Dashboard

ADVANCE CARE PLANNING DASHBOARD

Current LaPOST

View LaPOST →

Cardiopulmonary Resuscitation	Medical Interventions	Artificially Administered Fluids And Nutrition
Do Not Attempt Resuscitation / DNAR	Selective Treatment	Long Term Artificial Nutrition by Tube

Data from: **LHCQF**

ALL DOCUMENTS

LaPOST Registry Features

Role-Based Security

- Uploader
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- Viewer

Retrieve & Review LaPOST Forms

- Patient search
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Create Electronic LaPOST Forms

- Simple, intuitive user interface
- Legally valid
- Embedded logic
- Multi-language
- Embedded support regarding LaPOST questions (“?” & media)
- Proprietary smartphone eSignature
  - For preparers & signers

Patient Access

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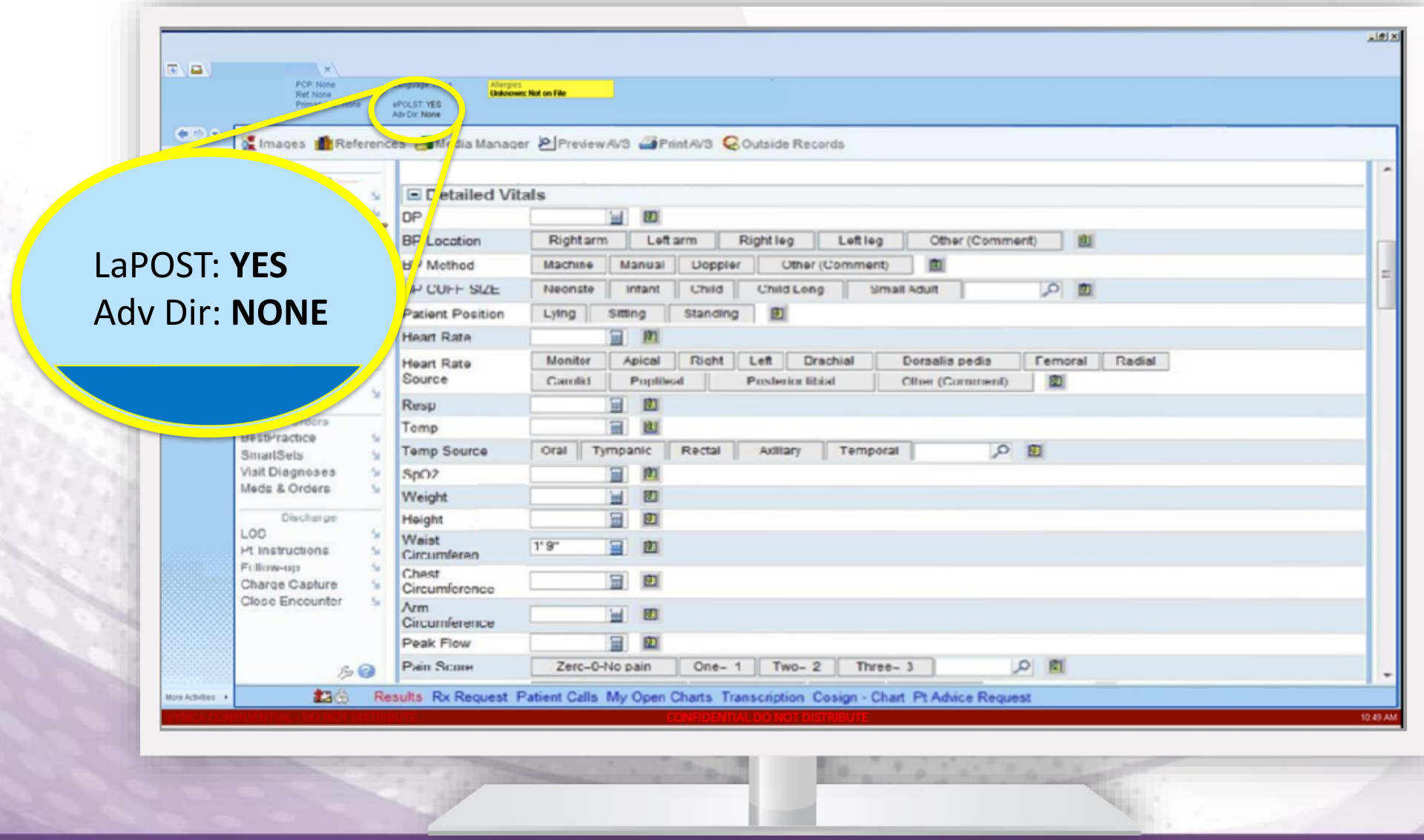
Electronic Health Record (EHR) Integration



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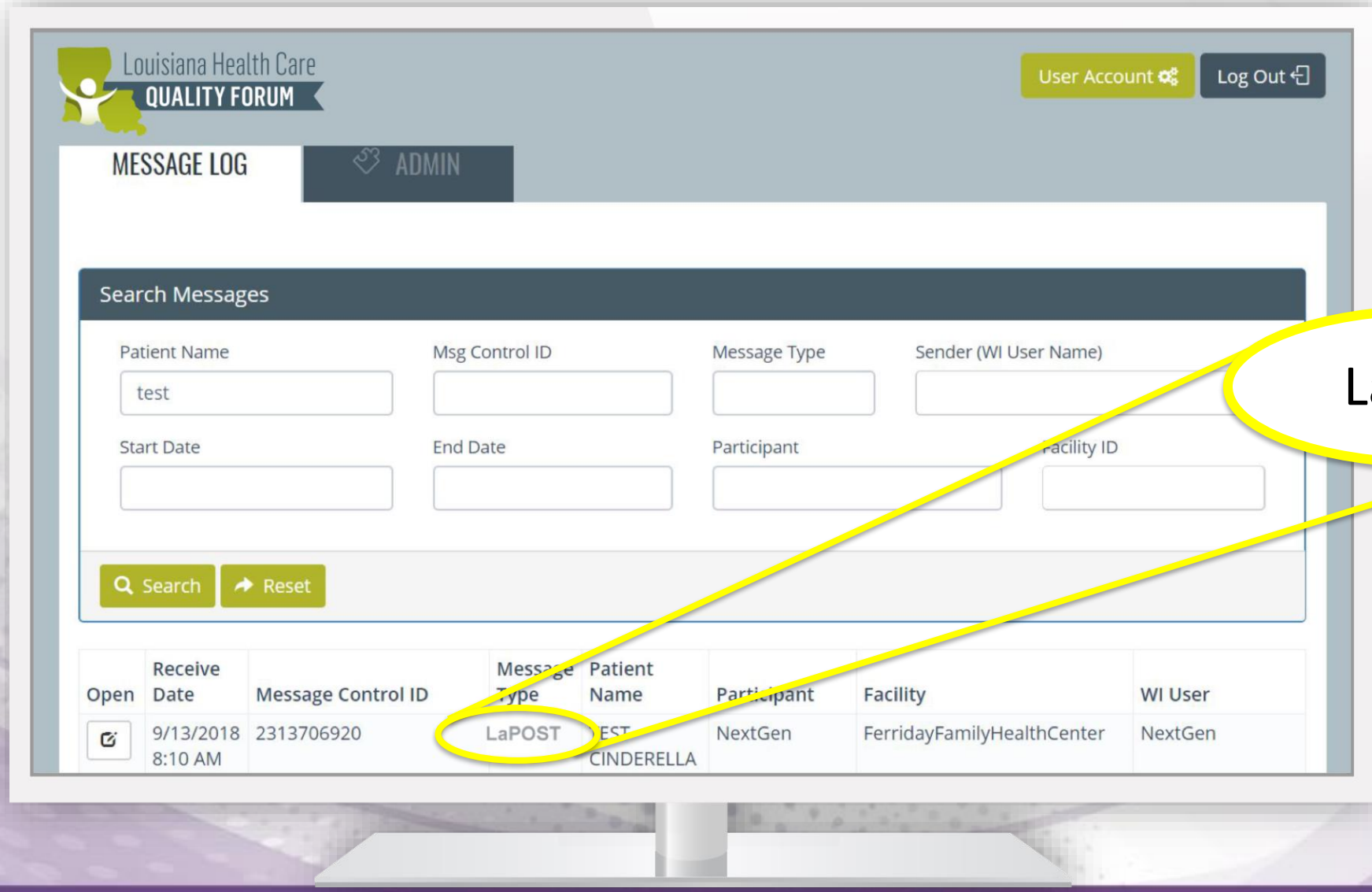
Health Information Exchange (HIE) Integration



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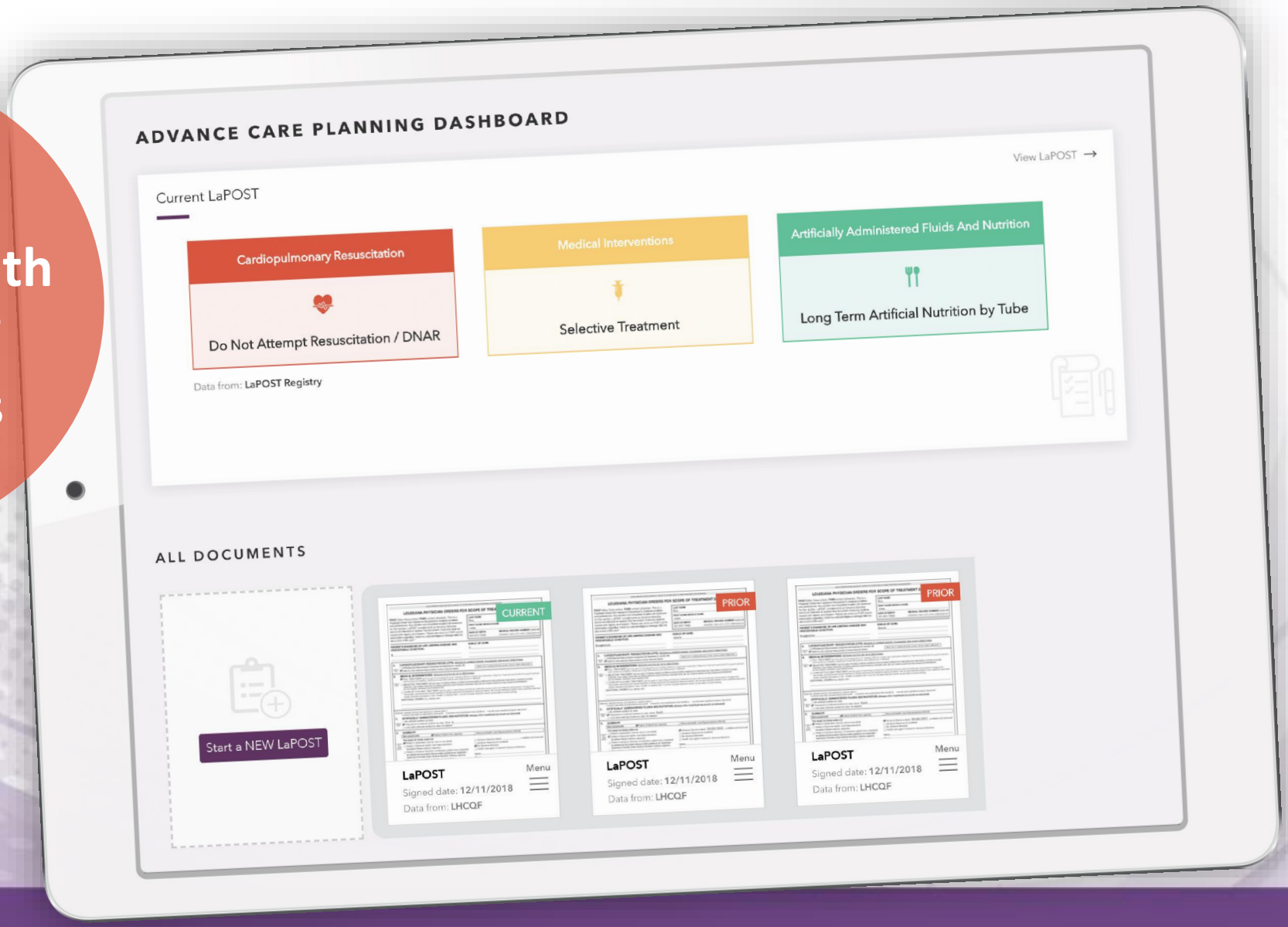
Advance Care Planning Dashboard

Single Source of Truth for LaPOST documents



LaPOST

HIPAA PERMITS DISCLOSURE OF LaPOST TO OTHER HEALTH CARE PROVIDERS AS NECESSARY

LOUISIANA PHYSICIAN ORDERS FOR SCOPE OF TREATMENT (LaPOST)

FIRST follow these orders, **THEN** contact physician. This is a Physician Order form based on the person's medical condition and preferences. Any section not completed implies full treatment for that section. LaPOST complements an Advance Directive and is not intended to replace that document. Everyone shall be treated with dignity and respect. Please see www.La-POST.org for information regarding "what my cultural/religious heritage tells me about end of life care."

LAST NAME
Smith

FIRST NAME/MIDDLE NAME
Mary

DATE OF BIRTH
01/02/1950

MEDICAL RECORD NUMBER (optional)
7cc6381e-f99b-462f-b083-575a37

PATIENT'S DIAGNOSIS OF LIFE LIMITING DISEASE AND IRREVERSIBLE CONDITION:

Diagnosis

GOALS OF CARE:

Goals of Care

A. CARDIOPULMONARY RESUSCITATION (CPR): PERSON IS UNRESPONSIVE, PULSELESS AND IS NOT BREATHING

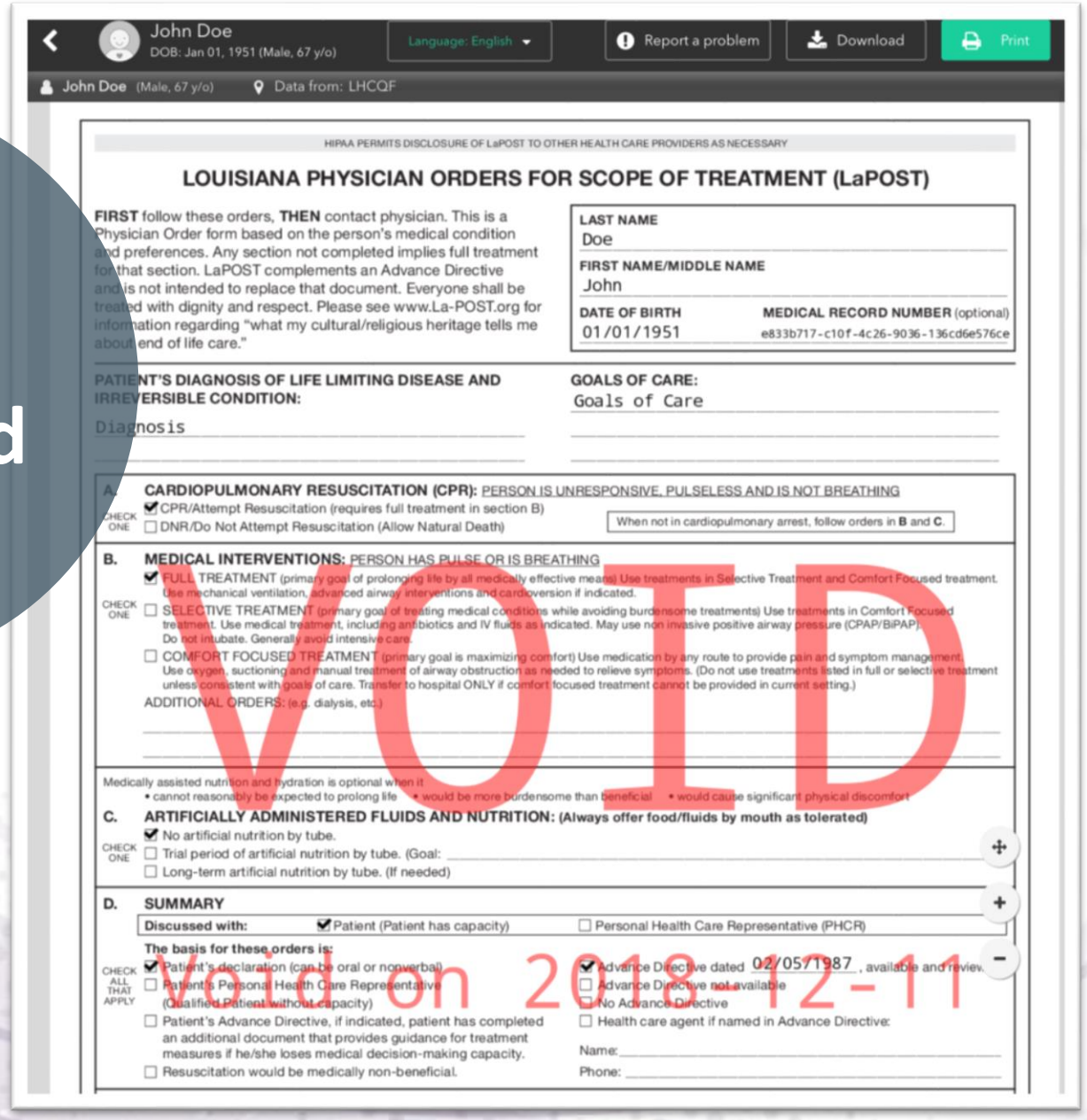
CHECK ONE
- ☐ CPR/Attempt Resuscitation (requires full treatment in section B)
- ☑ DNR/Do Not Attempt Resuscitation (Allow Natural Death)

When not in cardiopulmonary arrest, follow orders in **B** and **C**.

B. MEDICAL INTERVENTIONS: PERSON HAS PULSE OR IS BREATHING

- ☐ FULL TREATMENT (primary goal of prolonging life by all medically effective means) Use treatments in Selective Treatment and Comfort Focused treatment. Use mechanical ventilation, advanced airway interventions and cardioversion if indicated

Sample LaPOST with Void Status



John Doe
DOB: Jan 01, 1951 (Male, 67 y/o)
Language: English | Report a problem | Download | Print
John Doe (Male, 67 y/o) | Data from: LHCQF

HIPAA PERMITS DISCLOSURE OF LaPOST TO OTHER HEALTH CARE PROVIDERS AS NECESSARY

LOUISIANA PHYSICIAN ORDERS FOR SCOPE OF TREATMENT (LaPOST)

FIRST follow these orders, **THEN** contact physician. This is a Physician Order form based on the person's medical condition and preferences. Any section not completed implies full treatment for that section. LaPOST complements an Advance Directive and is not intended to replace that document. Everyone shall be treated with dignity and respect. Please see www.La-POST.org for information regarding "what my cultural/religious heritage tells me about end of life care."

LAST NAME: Doe
FIRST NAME/MIDDLE NAME: John
DATE OF BIRTH: 01/01/1951
MEDICAL RECORD NUMBER (optional): e833b717-c10f-4c26-9036-136cd6e576ce

PATIENT'S DIAGNOSIS OF LIFE LIMITING DISEASE AND IRREVERSIBLE CONDITION: Diagnosis

GOALS OF CARE: Goals of Care

A. CARDIOPULMONARY RESUSCITATION (CPR): PERSON IS UNRESPONSIVE, PULSELESS AND IS NOT BREATHING

CHECK ONE
- [x] CPR/Attempt Resuscitation (requires full treatment in section B)
- [ ] DNR/Do Not Attempt Resuscitation (Allow Natural Death)

When not in cardiopulmonary arrest, follow orders in **B** and **C**.

B. MEDICAL INTERVENTIONS: PERSON HAS PULSE OR IS BREATHING

CHECK ONE
- [x] FULL TREATMENT (primary goal of prolonging life by all medically effective means) Use treatments in Selective Treatment and Comfort Focused treatment. Use mechanical ventilation, advanced airway interventions and cardioversion if indicated.
- [ ] SELECTIVE TREATMENT (primary goal of treating medical conditions while avoiding burdensome treatments) Use treatments in Comfort Focused treatment. Use medical treatment, including antibiotics and IV fluids as indicated. May use non invasive positive airway pressure (CPAP/BiPAP). Do not intubate. Generally avoid intensive care.
- [ ] COMFORT FOCUSED TREATMENT (primary goal is maximizing comfort) Use medication by any route to provide pain and symptom management. Use oxygen, suctioning and manual treatment of airway obstruction as needed to relieve symptoms. (Do not use treatments listed in full or selective treatment unless consistent with goals of care. Transfer to hospital ONLY if comfort focused treatment cannot be provided in current setting.)

ADDITIONAL ORDERS: (e.g. dialysis, etc.)

VOID

Medically assisted nutrition and hydration is optional when it
- cannot reasonably be expected to prolong life
- would be more burdensome than beneficial
- would cause significant physical discomfort

C. ARTIFICIALLY ADMINISTERED FLUIDS AND NUTRITION: (Always offer food/fluids by mouth as tolerated)

CHECK ONE
- [x] No artificial nutrition by tube.
- [ ] Trial period of artificial nutrition by tube. (Goal:)
- [ ] Long-term artificial nutrition by tube. (If needed)

D. SUMMARY

Discussed with: [x] Patient (Patient has capacity) [ ] Personal Health Care Representative (PHCR)

The basis for these orders is:

CHECK ALL THAT APPLY
- [x] Patient's declaration (can be oral or nonverbal)
- [ ] Patient's Personal Health Care Representative (Qualified Patient without capacity)
- [ ] Patient's Advance Directive, if indicated, patient has completed an additional document that provides guidance for treatment measures if he/she loses medical decision-making capacity.
- [ ] Resuscitation would be medically non-beneficial.
- [x] Advance Directive dated 02/05/1987, available and reviewed
- [ ] Advance Directive not available
- [ ] No Advance Directive
- [ ] Health care agent if named in Advance Directive:

Name:
Phone:

Voided on 2018-12-11

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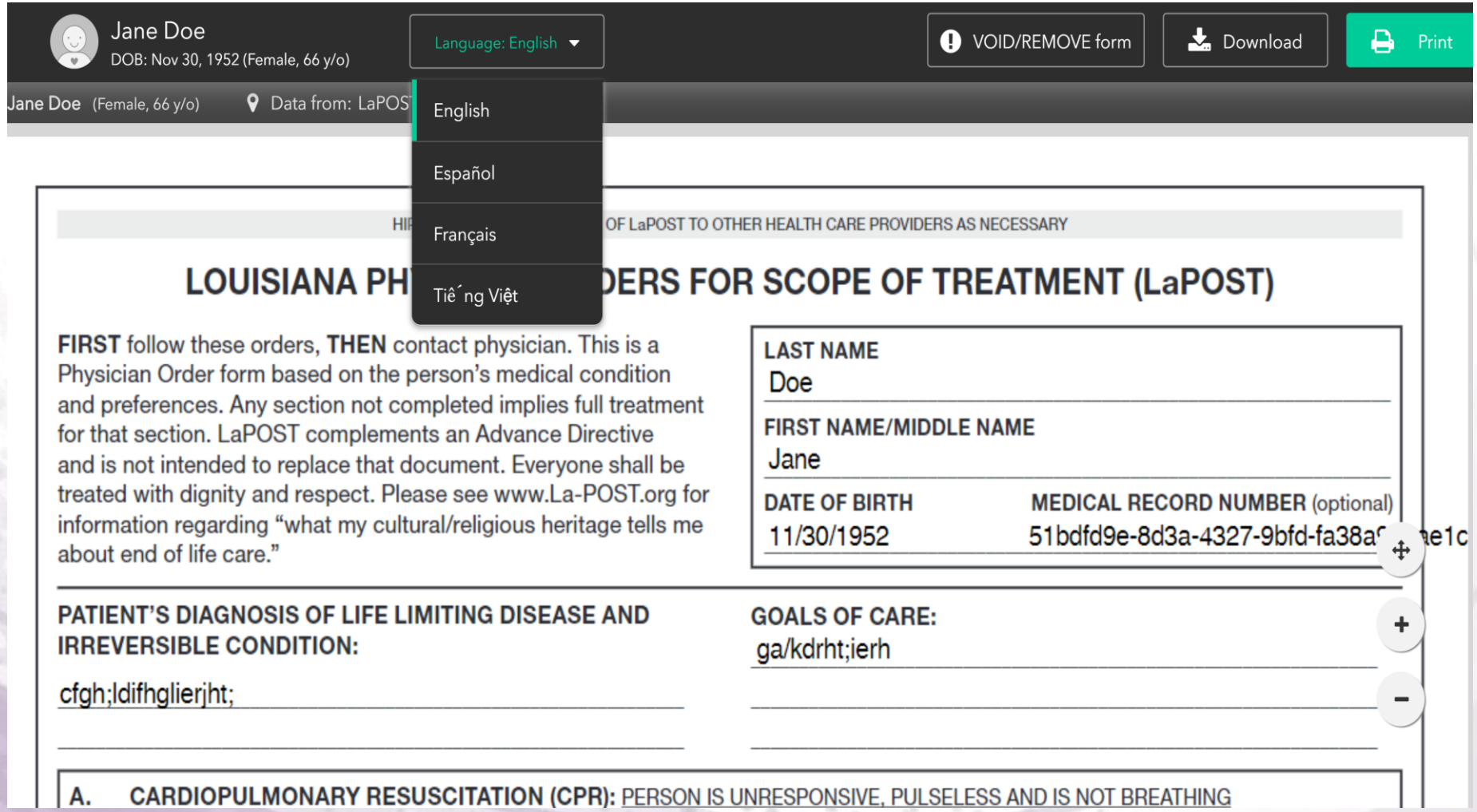
LaPOST Registry – Multi-Language Feature



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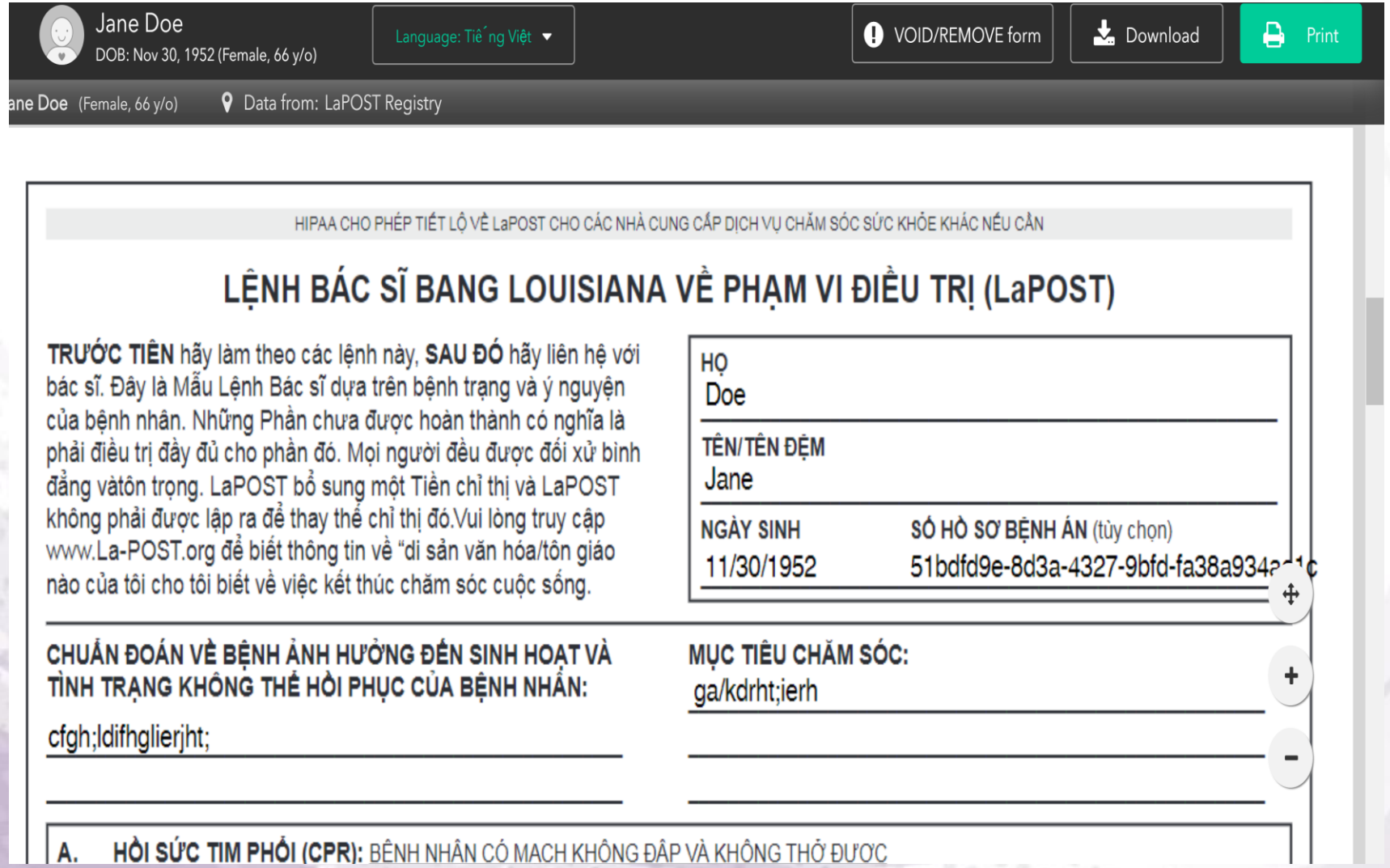
LaPOST Registry – Vietnamese



LaPOST

71%

DOCUMENT PROGRESS

- PERSONAL INFORMAT
- CARDIOPULMONARY F
- MEDICAL INTERVENTIC
- ARTIFICIALLY ADMINIS AND NUTRITION
- SUMMARY
- PHYSICIAN'S INFORMA
- **PATIENT'S / PHCR'S IN**
- SUBMIT

Language: English

rs are consistent with
or in the best interest

Beaverton | OR | 97007

PHCR's Phone Number *

(123) 456-7890 x _____

Patient's or PHCR's Signature *

Patient's or PHCR's Name

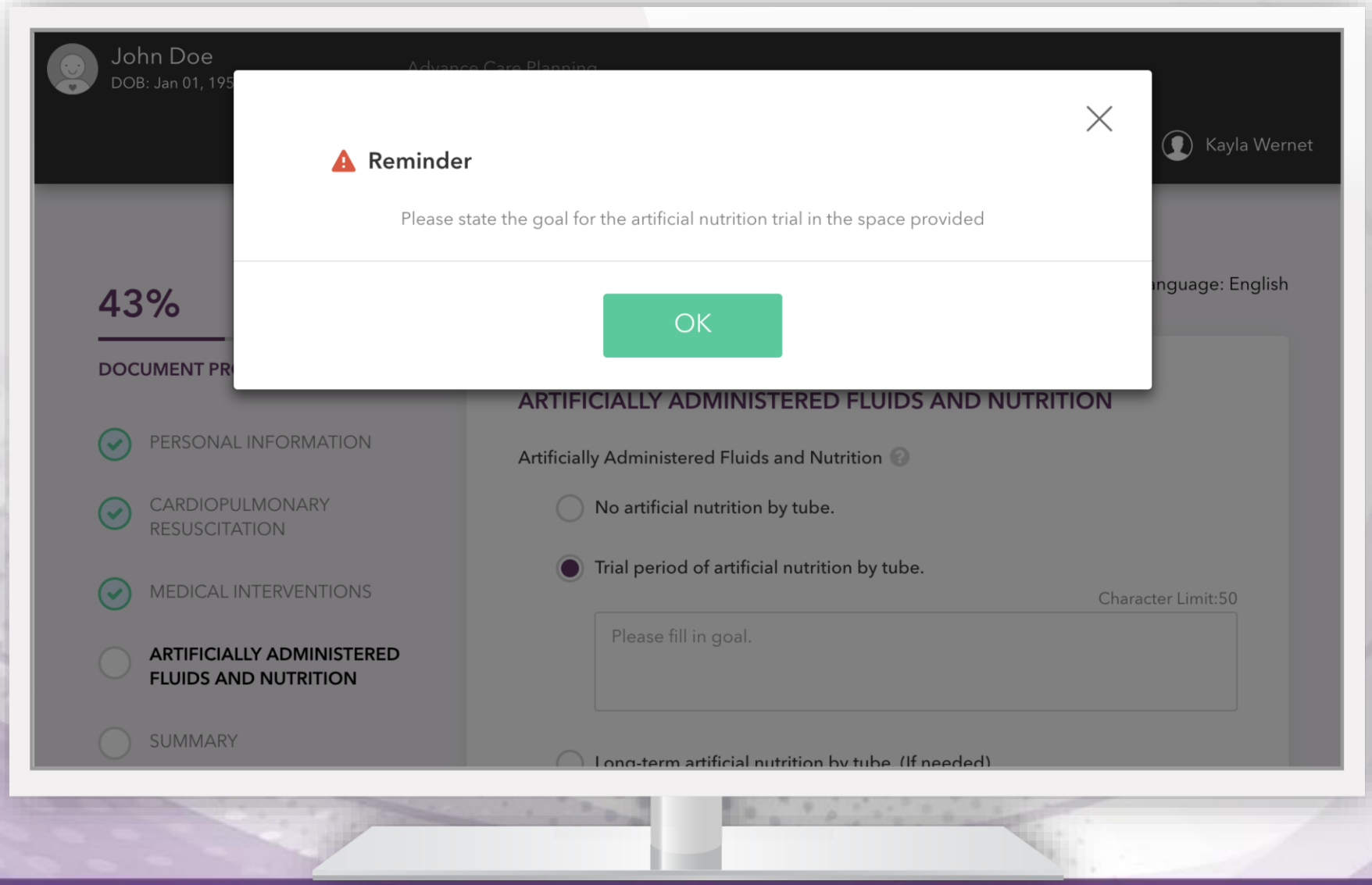
Order of Decision Maker in Louisiana

- Patient for themselves
- Guardian
- Health Care Power of Attorney
- Spouse
- Children
- Parents
- Siblings
- Antecedents/descendants
- Adult Friend
- Attending physician under certain circumstances

** 2015 Louisiana Laws Revised Statutes
TITLE 40 - Public Health and Safety RS 40:1159.4 - Persons who may consent to surgical or medical treatment

OK

LaPOST Registry Features – Pop-up Reminders



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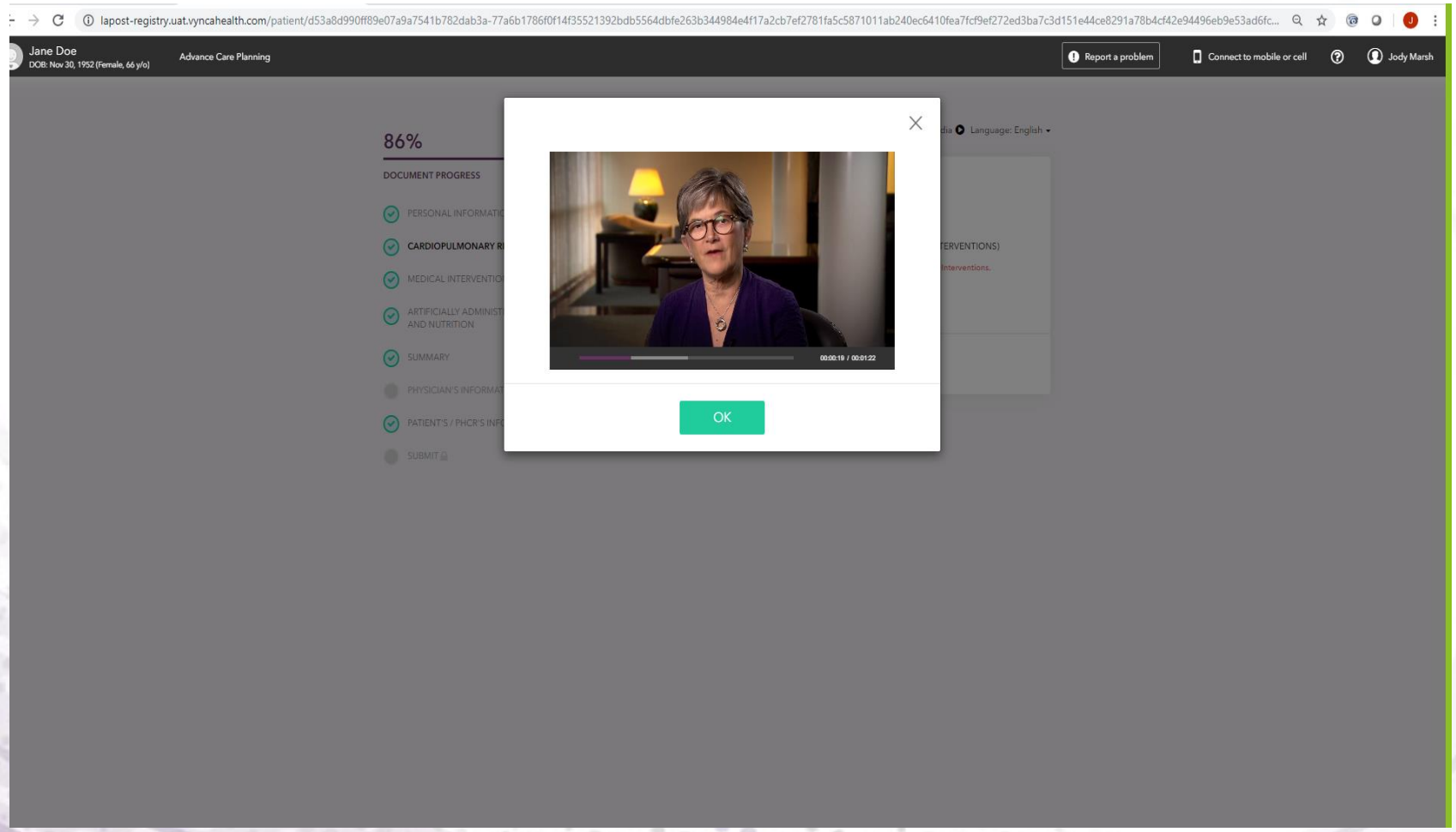
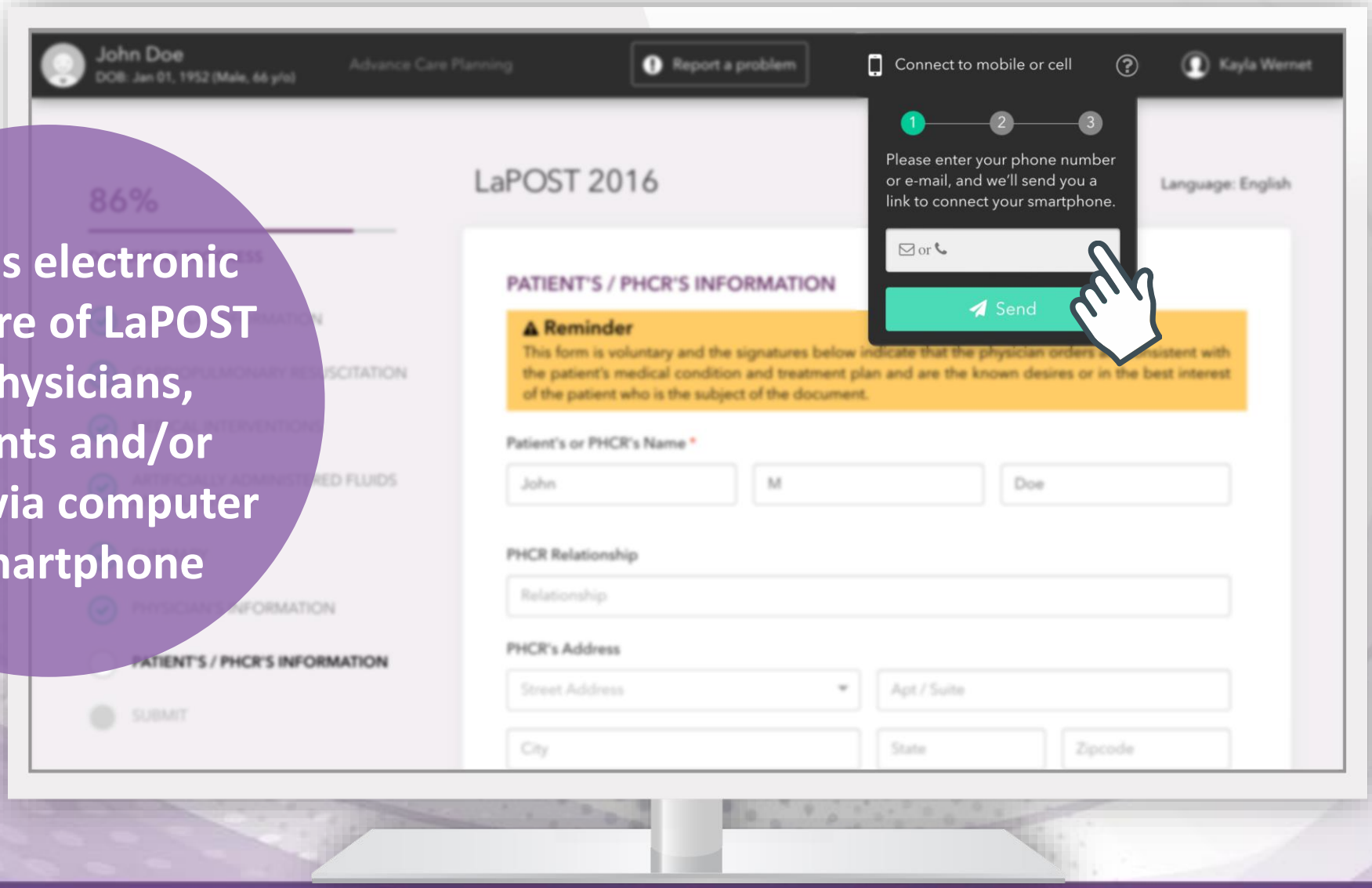
LaPOST Registry Features – Media Support



LaPOST Registry Features – eSignature

Enables electronic signature of LaPOST by physicians, patients and/or PHCRs via computer or smartphone



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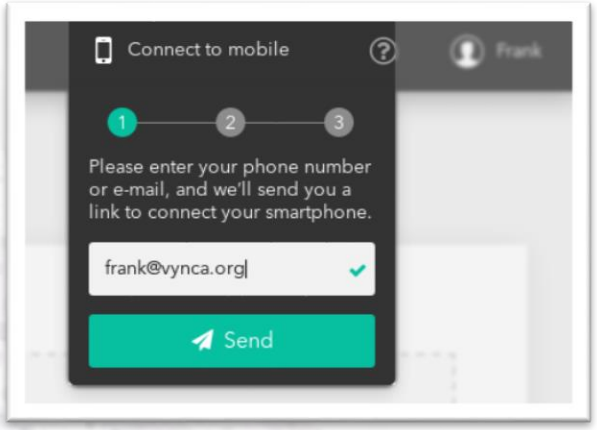
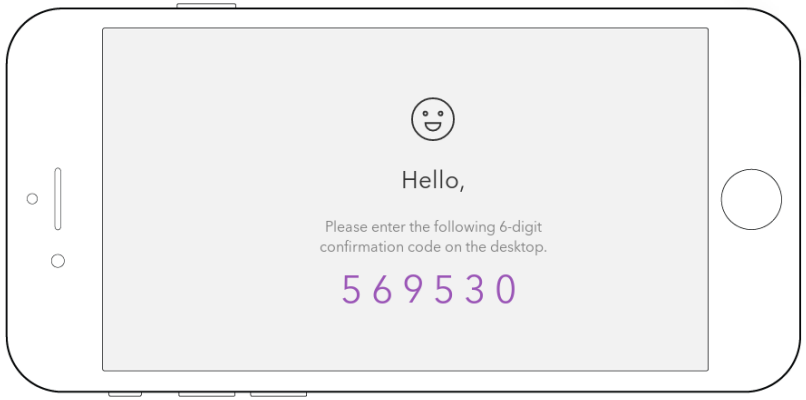
Smartphone eSignature Steps



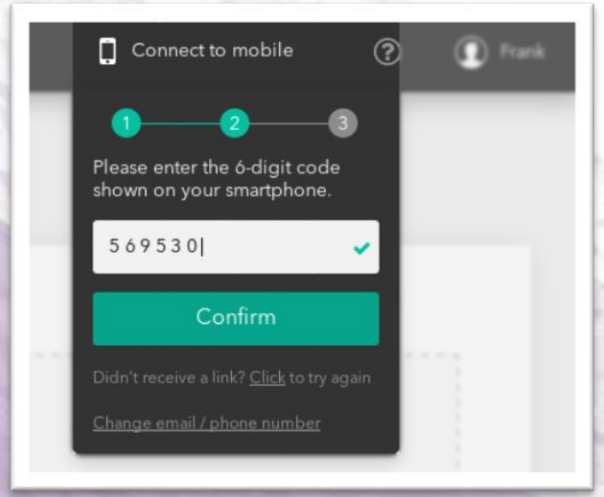
1

Enter your phone number or e-mail to link to your smartphone



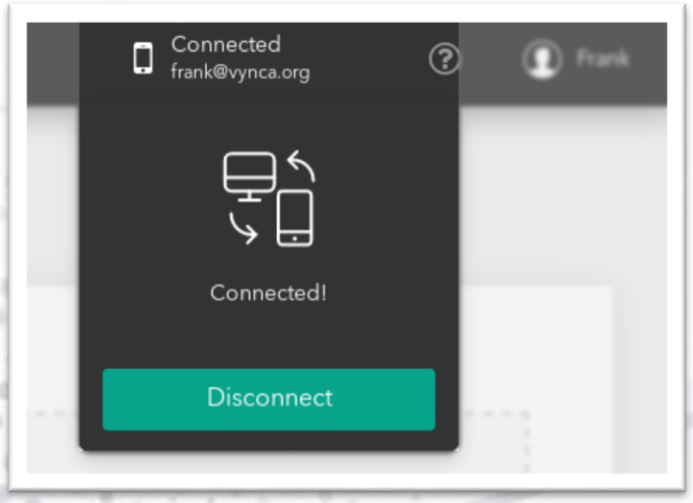
2

Check your smartphone for a confirmation code



3

Enter the confirmation code on your desktop computer



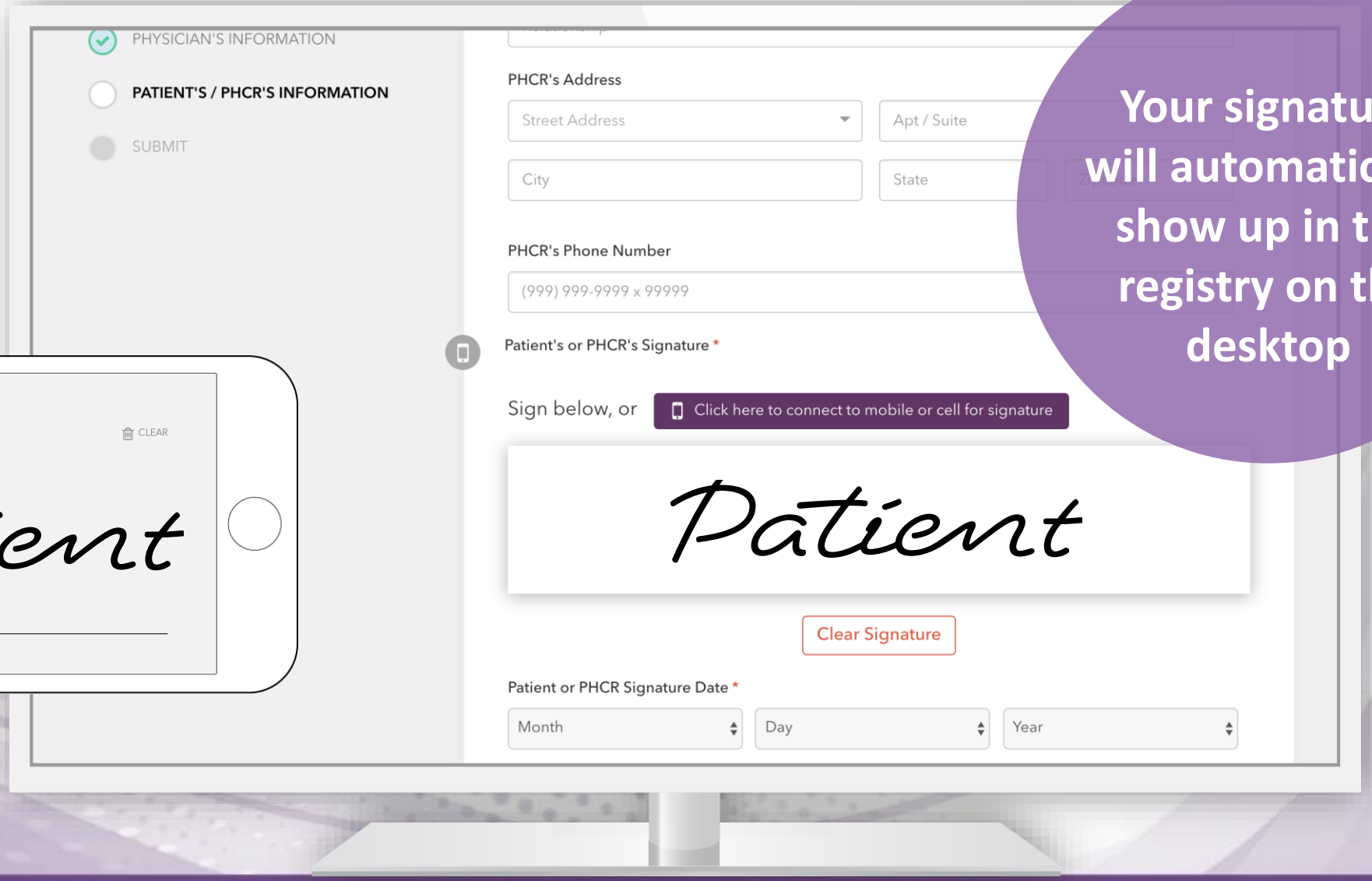
4

The registry will confirm that your smartphone is connected

Smartphone eSignature Steps

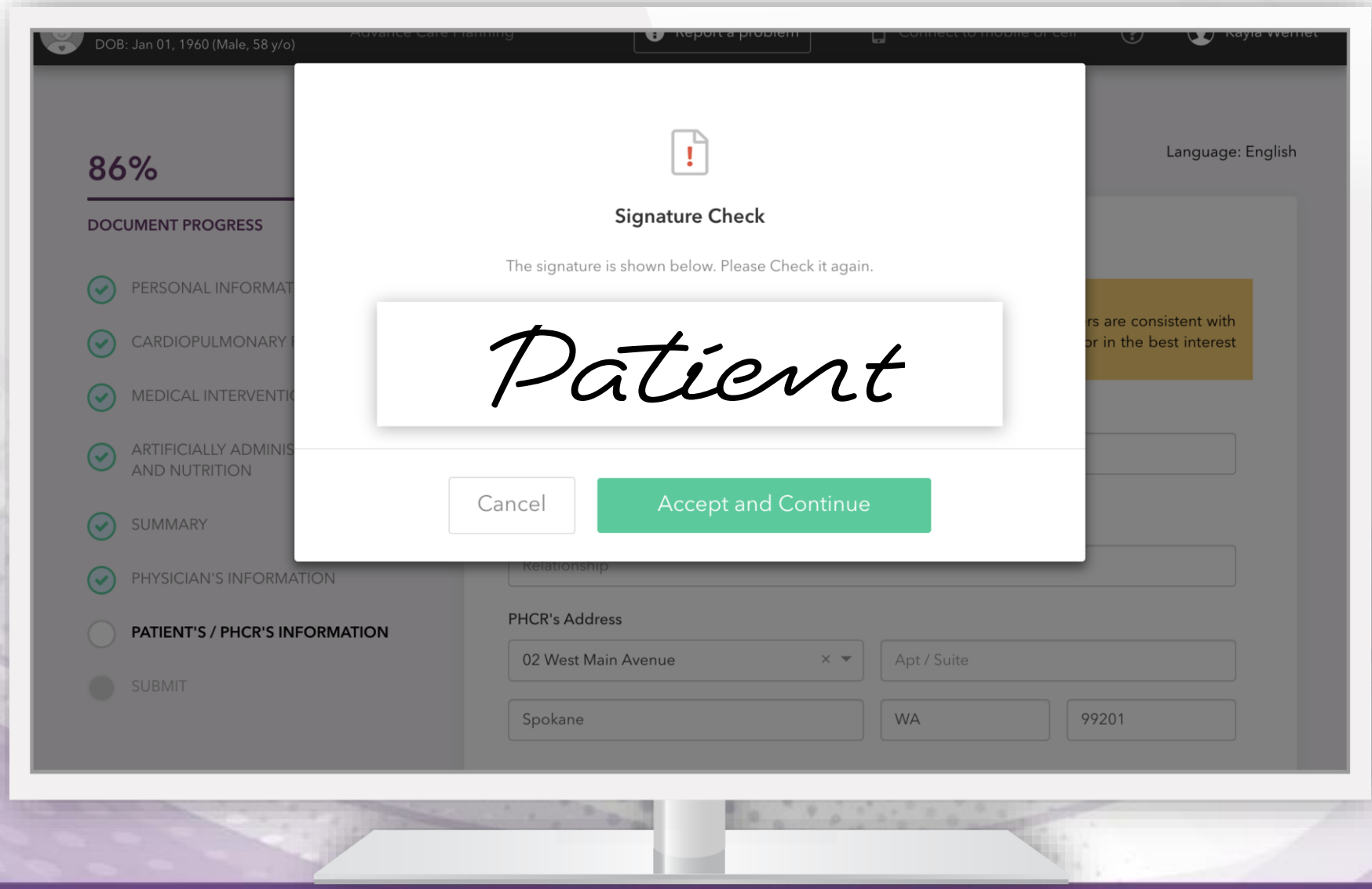
5

Use your finger or a stylus on your smartphone to sign the document



Your signature will automatically show up in the registry on the desktop

LaPOST Registry Features – Signature Check



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LaPOST Registry Features

Role-Based Security

- Uploader
- Preparer
- Signer
- Patient
- Viewer

Retrieve & Review LaPOST Forms

- Patient search
- Dashboard displaying content of most recent form
- Color-coded format for sections A, B & C

Create Electronic LaPOST Forms

- Simple, intuitive user interface
- Legally valid
- Embedded logic
- Multi-language
- Embedded support regarding LaPOST questions (“?” & media)
- Proprietary smartphone eSignature
  - For preparers & signers

Patient Access

- Patient portal to view, print & request to void form
- Optional – share forms with family & providers

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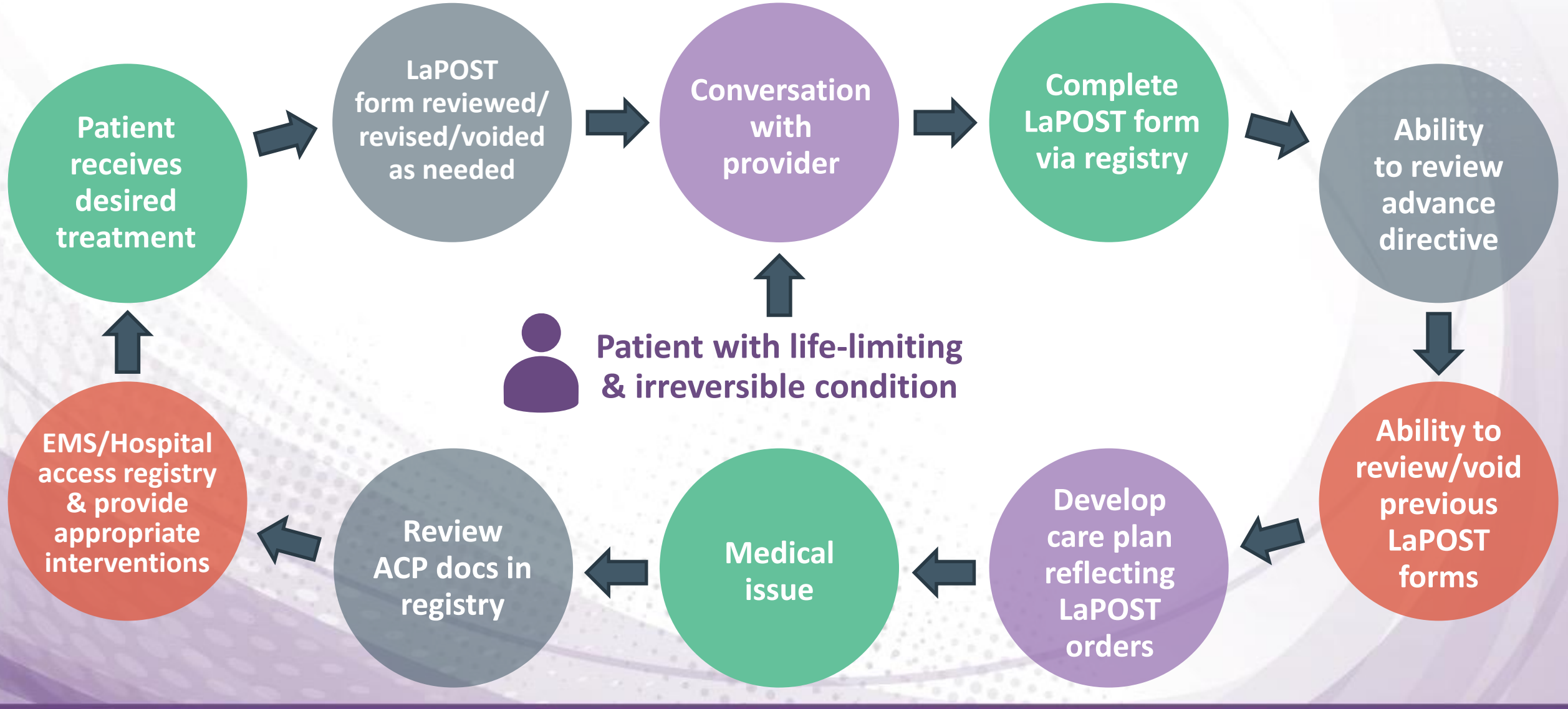
Using the LaPOST Registry to Improve Care



Case Study: Vynca Impact Across Multiple Health Systems

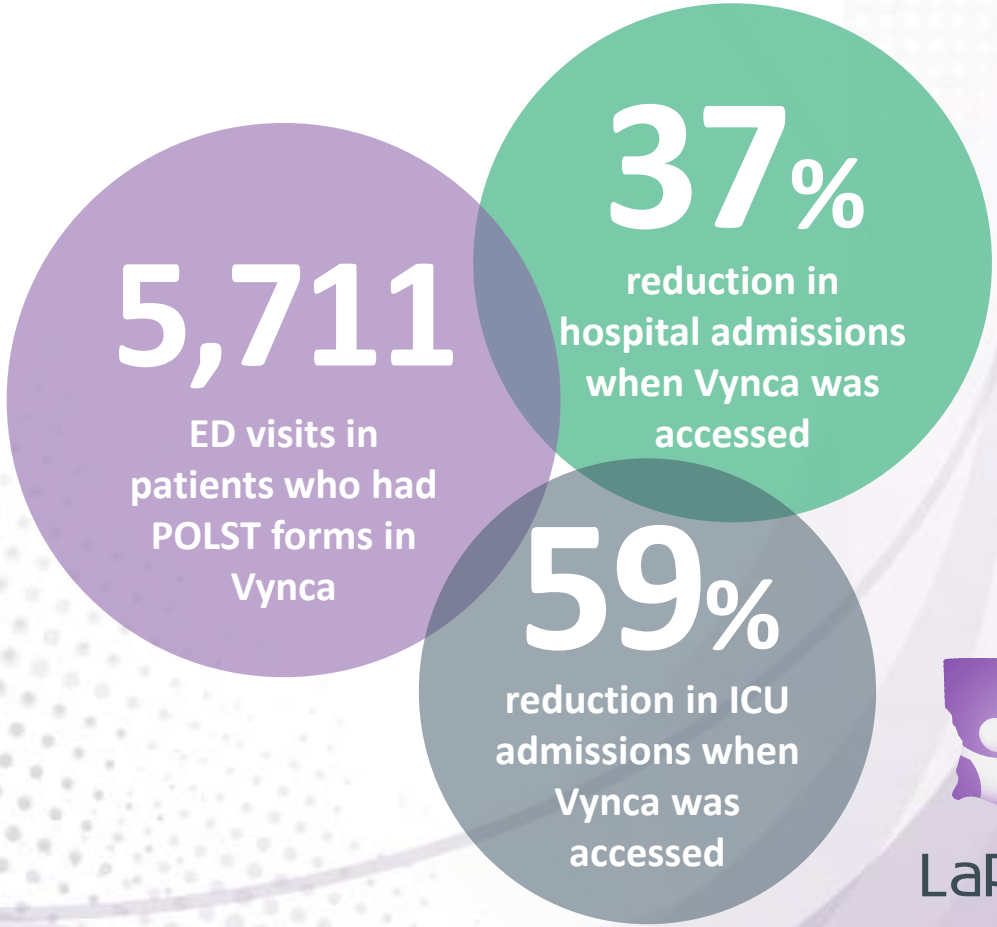
BACKGROUND:

- Review of all health systems using Vynca
- 5,711 ED visits analyzed from April 2015 - July 2017

ADMISSIONS:

- Hospital admission rate
  - 40% when Vynca was not accessed
  - 25% when Vynca was accessed
- ICU admission rate
  - 9% when Vynca was not accessed
  - 3.7% when Vynca was accessed

IMPACT (April 2015 - July 2017)



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[1] http://www.ohsu.edu/xd/about/news_events/upload/OHSU-At-A-Glance-web-format-15-2.pdf

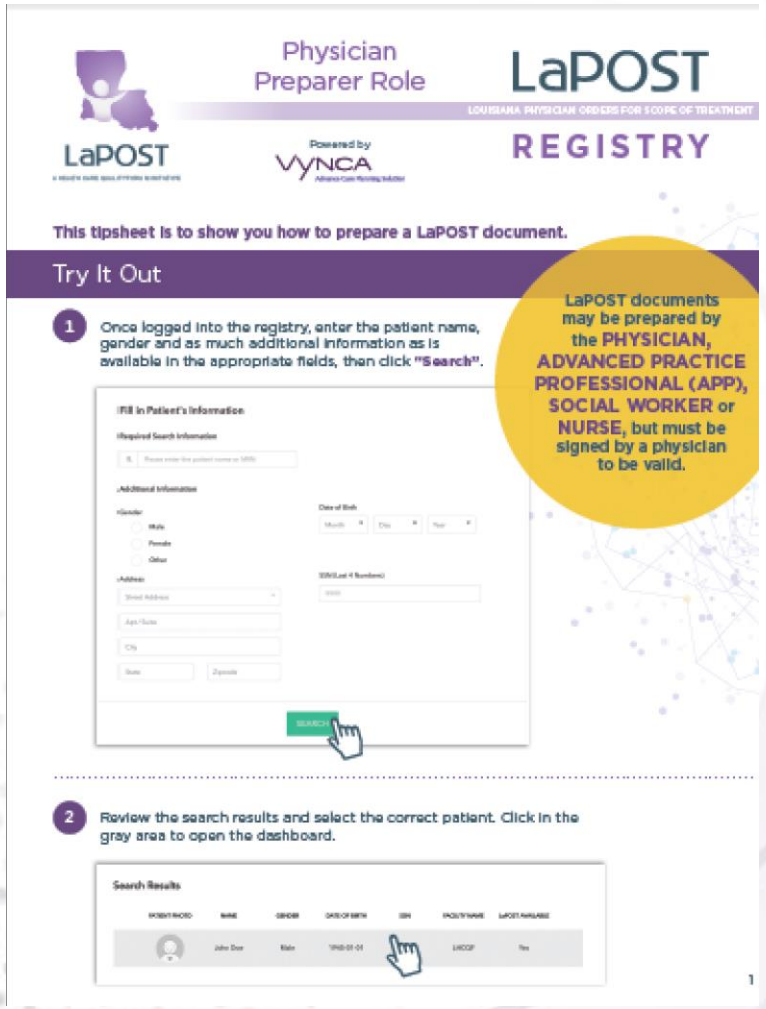
LaPOST Registry Training Tools

- MP4 Videos
  - Preparer
  - Physician Signer
  - Viewer
  - Uploader
  - Connect-to-Mobile
  - Organization Registry Administrator

LaPOST

LaPOST Registry Training Tools

- Tipsheets
  - Preparer
  - Physician Signer
  - Viewer
  - Uploader
  - Connect-to-Mobile
  - Organization Registry Administrator



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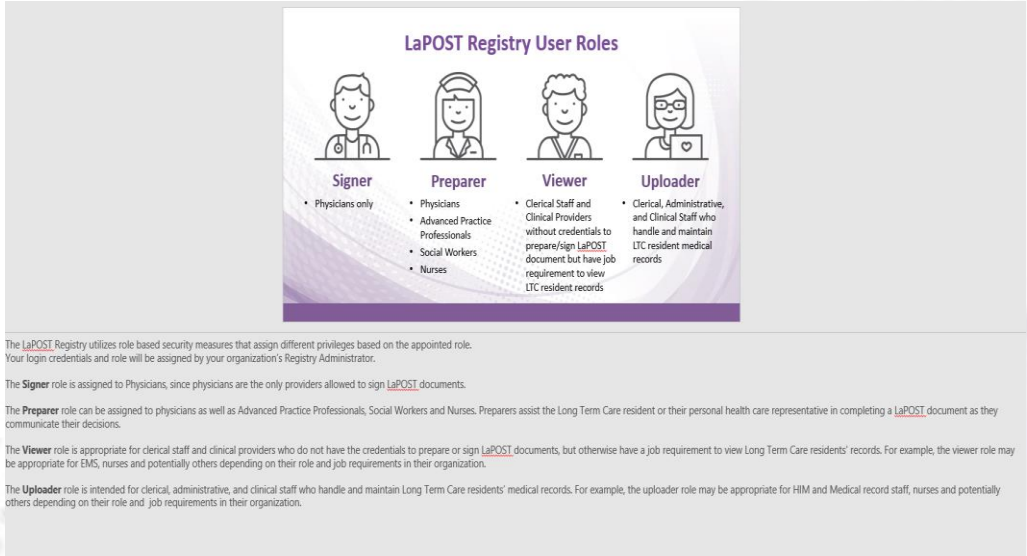
LaPOST Registry Training Tools

- MP4 Video PowerPoint Slides with Notes
  - Preparer
  - Physician Signer
  - Viewer
  - Uploader
  - Connect-to-Mobile
  - Organization Registry Administrator



LaPOST

What's Needed to Gain Access to the Registry?

- Organization must execute
  - Participation Agreement
  - Business Associate Agreement
- Complete LaPOST Registry Organization Form

What's the cost to the organization?

- No cost for web-based access
- Annual cost for EHR or HIE integration
- One-time cost for Vynca to bulk load paper LaPOST documents
  - No cost if facility uploads their paper documents

LaPOST

or visit **la-post.org** for more information

Visit

la-post.org

for more information.

LaPOST

Questions?

Please direct questions to:

Monique Tyler
LaPOST Project Coordinator
mtyler@lhcqf.org

LaPOST

or visit **la-post.org** for more information