LaPOST
LOUISIANA PHYSICIAN ORDERS FOR SCOPE OF TREATMENT REGISTRY
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
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
# Paper-Based Data System Challenges for Patients and Health Care Professionals

<table>
<thead>
<tr>
<th><strong>Accessibility</strong></th>
<th>Delays may result in unwanted/ineffective treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Misplaced, misfiled, difficult to locate</td>
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<tr>
<td>• Especially important in emergency medical situations</td>
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<table>
<thead>
<tr>
<th><strong>Incomplete, inconsistent information</strong></th>
<th>May result in contradictory care</th>
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<tr>
<th><strong>Version Control</strong></th>
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<th><strong>Duplication</strong></th>
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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
LaPOST Registry Solution

Statewide Electronic End-of-Life Medical Orders Registry

LaPOST Registry

ACO

Family

State Registry

Home Health

Skilled Nursing Facility

Payers

Hospital

Hospice

Physician Practice

Emergency Medical Services

LaPOST
Components of Advance Care Planning Technology

**CAPTURE**
- Web & Mobile Provider
- EHR Integration

**STORE**
- 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
LaPOST Registry Features

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

Role-Based Security
- Uploader
- Preparer
- Signer
- Patient
- Viewer

Retrieve & Review LaPOST Forms

Create Electronic LaPOST Forms

Patient Access
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 Registry – Patient Search

Search for a patient and access their Advance Care Planning Dashboard
ADVANCE CARE PLANNING DASHBOARD

Current LaPOST

Cardiopulmonary Resuscitation
Do Not Attempt Resuscitation / DNAR

Medical Interventions
Selective Treatment

Artificially Administered Fluids And Nutrition
Long Term Artificial Nutrition by Tube

Data from: LHCQF
LaPOST Registry Features

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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

Uploader
Preparer
Signer
Patient
Viewer
Electronic Health Record (EHR) Integration

LaPOST: YES
Adv Dir: NONE
Health Information Exchange (HIE) Integration
Advance Care Planning Dashboard

Single Source of Truth for LaPOST documents
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-b083-575a373b9d6e

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

Diagnosis

GOALS OF CARE:

Goals of Care

A. CARDIOPULMONARY RESUSCITATION (CPR):

☐ 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 cardiversions if indicated.
Sample LaPOST with Void Status

VOID

Void on 2018-12-11
LaPOST Registry – Multi-Language Feature
LaPOST Registry – Vietnamese

LỆNH BÁC SĨ BANG LOUISIANA VỀ PHẠM VI ĐIỀU TRỊ (LaPOST)


HỌ
Doe

TÊN/TÊN DỄM
Jane

NGÀY SINH
11/30/1952
SỐ HỒ SƠ BỆNH ÁN (tuy chọn)
51bf09e-8d3a-4327-9bf9-ba3e3a8b9d

CHUẨN ĐOÀN VỀ BỆNH ÁNH HƯỞNG ĐẾN SĨNH HOẠT VÀ TÌNH TRẠNG KHÔNG THỂ HỖ PHỤC CỦA BỆNH NHÂN:
cfgh;ldifnglierht;

MỤC TIÊU CHẤM SỐC:
ga/kdrfhtjier;

A. HỘI SỨC TEM THỜI (CPR): BỆNH NHÂN CÓ MẠCH KHÔNG DẤP VÀ KHÔNG THÔI DƯỠC
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
LaPOST Registry Features – Pop-up Reminders

Please state the goal for the artificial nutrition trial in the space provided.
LaPOST Registry Features – Media Support
LaPOST Registry Features – eSignature

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

86%

DOCUMENT PROGRESS
- PERSONAL INFORMATION
- CARDIOPULMONARY
- MEDICAL INTERVENTIONS
- ARTIFICIALLY ADMINISTERED NUTRITION
- SUMMARY
- PHYSICIAN'S INFORMATION
- PATIENT'S / PHCR'S INFORMATION

Signature Check
The signature is shown below. Please check it again.

Cancel  Accept and Continue

PHCR's Address
- 02 West Main Avenue, Apt / Suite
- Spokane, WA 99201

LaPOST
LaPOST Registry Features

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Create Electronic LaPOST Forms
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- Proprietary smartphone eSignature
  - For preparers & signers

Patient Access
- Patient portal to view, print & request to void form
- Optional – share forms with family & providers
### Using the LaPOST Registry to Improve Care

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
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<tbody>
<tr>
<td>1</td>
<td>Patient with life-limiting &amp; irreversible condition</td>
</tr>
<tr>
<td>2</td>
<td>Complete LaPOST form via registry</td>
</tr>
<tr>
<td>3</td>
<td>Ability to review/void previous LaPOST forms</td>
</tr>
<tr>
<td>4</td>
<td>Develop care plan reflecting LaPOST orders</td>
</tr>
<tr>
<td>5</td>
<td>Medical issue</td>
</tr>
<tr>
<td>6</td>
<td>Review ACP docs in registry</td>
</tr>
<tr>
<td>7</td>
<td>EMS/Hospital access registry &amp; provide appropriate interventions</td>
</tr>
<tr>
<td>8</td>
<td>LaPOST form reviewed/revised/voided as needed</td>
</tr>
<tr>
<td>9</td>
<td>Conversation with provider</td>
</tr>
<tr>
<td>10</td>
<td>Ability to review advance directive</td>
</tr>
<tr>
<td>11</td>
<td>Patient receives desired treatment</td>
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</tbody>
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**Flowchart Diagram:**

1. Patient with life-limiting & irreversible condition
2. Complete LaPOST form via registry
3. Ability to review/void previous LaPOST forms
4. Develop care plan reflecting LaPOST orders
5. Medical issue
6. Review ACP docs in registry
7. EMS/Hospital access registry & provide appropriate interventions
8. LaPOST form reviewed/revised/voided as needed
9. Conversation with provider
10. Ability to review advance directive
11. Patient receives desired treatment
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)

5,711 ED visits in patients who had POLST forms in Vynca

37% reduction in hospital admissions when Vynca was accessed

59% reduction in ICU admissions when Vynca was accessed

LaPOST Registry Training Tools

• MP4 Videos
  • Preparer
  • Physician Signer
  • Viewer
  • Uploader
  • Connect-to-Mobile
  • Organization Registry Administrator
LaPOST Registry Training Tools

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

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

or visit la-post.org for more information
Visit la-post.org for more information.
Questions?

Please direct questions to:

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LaPOST Project Coordinator
mtyler@lhcqf.org

or visit la-post.org for more information