



Agile Rings in TX DPS' e-Records Retention



Agenda

- Introductions
- Definitions of CUP and CURT
- Agile
- E-Records Retention
- CURT Development & Delivery Process
- Finished Product



CUP & CURT Defined

- CUP – Compassionate Use Program
 - Mandated by 84th Legislative Session SB 339
 - Dispensing Organizations (DO) are licensed to grow and dispense Low THC prescriptions
- CURT – Compassionate Use Registry of Texas
 - System developed by TX-DPS
 - Registers physicians
 - Track Prescriptions



CURT Features

- Registry of Physicians authorized to prescribe Low THC
- Physician enters patient information (PII) and prescriptions
- Prescription available to Dispensing Organization for fulfillment
- Dispensing history retained in the system
- Data is kept on the impact to patient's quality of life during treatment



Agile Based Projects: Agile Manifesto

We are uncovering better ways of developing software by doing it and helping others do it. Through this work we have come to value:

Individuals and interactions over processes and tools

Working software over comprehensive documentation

Customer collaboration over contract negotiation

Responding to change over following a plan

That is, while there is value in the items on the right, we value the items on the left more.

<http://agilemanifesto.org/history.html>



Scrum





Scrum as an Agile Development Method

- Working Software
 - In hands of customer quickly
 - Versus spending a lot of time writing specifications up front
- Cross-functional teams empowered to make decisions
- Rapid iteration, with continuous customer input



- Files and miles of paper
- Storage Facilities
- Heavy physical footprint
- Resource intensive and entirely manual

DPS Retention Before



CUP Implementation & Funding

- \$0 funding for development
- Mandated a system to be online by 9/1/17
- Explored vendor solution
 - Determined too costly
 - Legislative due date not attainable
- In-house development approved by DPS Execs



Needed Resources & Impact

- EPMO Staff
- IT Development Resources
- IT DBAs
- IT QA Resources
- RSD Program Staff
- Operations Support Staff
- Management Staffs
- Cyber Security Staff
- Contracting Staff
- Legal Staff

- 6 Months RFO Development
- 3 Months Planning
- 16 Months Development

- Assigned Staff (60-95%): 18
- Ancillary Staff (1-2%): 13

- Estimated FT Hours: 15,250
- Estimated Ancillary Staff hours: 250
- Estimated FT Staff Costs: \$725 K

- Hardware (used existing): \$0
- New Cloud Services: \$3 K (p/year)



Record Types

Multiple RSD Programs:

- DPS.0083 – RSD Regulatory License Applications and Registrations

AC + 7

- DPS.0084 – RSD Administrative Hearing Files

AC + 5

CURT Specific:

- DPS.0591 – RSD CURT Physician Registrations

AC + 5

- DPS.0592 – RSD CURT Patient Records

AC + 5

- DPS.0593 – RSD CURT De-Identified Patient Records

PM



CURT e-Records Retention – Serendipitous? Maybe.....

Here are the dates....

- Project Start: 3/17
- Minimum Viable Product (MVP) - Due: 9/1/17
- Records Retention (1st identified): 10/17
- TSLAC Request for RR Amendment Clarification: 1/18
- CURT Record Types finalized and added in Product Backlog: 4/18
- CURT Project Closed: 6/30/18



Development and Time Constraints

- 1 Placeholder Story expected to be 3-5 full Stories
- Grew to 18 Stories for the Records Retention Epic
- Fully automated vs. manual destruction of records
- Rapid, iterative backlog refinement sessions
- Collaboration - impacts



CURT Story Example:



Compassionate Use Program / CUP-707

Terminated Patient Record Retention



Edit



Comment

Assign

More ▾

Description

Records include all patient data (with identifiers), including cannabis prescriptions. After 5 years in the Terminated status (not associated with a physician) we need the ability to purge the identifying patient information. Patient identifying information (name, dob, address, last 5 SSN, legal guardian name & last 5 SSN information,) is removed. Data becomes de-identified and is retained permanently.

Need to write to a log what the action has been.

This will be a part of the batch process.

ACCEPTANCE CRITERIA

1. Patient does not show up in the Physician's List after purge
2. Active Patient with a terminated history is searchable by RCS
3. Patient that is terminated (not associated to a physician) is NOT searchable by RCS
4. Current status of the Patient is terminated, delete Patient Identifying information (name, dob, address, last 5 SSN)
5. Legal Guardian information (legal guardian name & last 5 SSN) is removed
6. Not searchable for DO if not active with any other doctor



Quality Assurance Difficulties

- Planning Test approach
- Simulating dates to force records slated for purge in test environments
- Restoring purged records creating downtime



COMPASSIONATE USE REGISTRY OF TEXAS

Texas Compassionate Use Program



Application Worklist

Physicians

Dispensing Orgs

DPS User List

Search Patient

Search DO
Employee

Record Management

Logout

Record Management

Open Report

Worklist

| Type ↕ | Record ID ↕ | Name ↕ | Scheduled Date ↕ | Confirmed ↕ | Confirmed By ↕ |
|-------------|-------------|--------------------|------------------|--------------------------|----------------|
| DO Employee | 47 | Dev, Abraham | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| DO Employee | 43 | Co, Steve | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| DO Employee | 34 | QAEmployee, Five | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| DO Employee | 25 | One, Employee | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| DO Employee | 21 | Doe, Matt | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| DO Employee | 19 | Doe, Nate | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| DO Employee | 9 | Garcia, Manuel A | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| DO Employee | 8 | Murphy, Connor C | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| DO Employee | 2 | Schmidt, Hans L | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 65 | Test, Physician23 | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 64 | Test, Physician19 | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 62 | Test, Physician8 | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 61 | Doe, Lady Lane | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 60 | Four, Test Doctor | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 59 | Three, Test Doctor | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 58 | Two, Test Doctor | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 57 | One, Test Doctor | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 56 | State, Steve | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 55 | Storm, JOhnnny | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 52 | Doe, Sofia | 07/11/2018 | <input type="checkbox"/> | RCS2 |



| | | | | | |
|-------------|----|------------------------|------------|-------------------------------------|------|
| DO Employee | 0 | Murphy, Connor C | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| DO Employee | 2 | Schmidt, Hans L | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 65 | Test, Physician23 | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 64 | Test, Physician19 | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 62 | Test, Physician8 | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 61 | Doe, Lady Lane | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 60 | Four, Test Doctor | 07/11/2018 | <input type="checkbox"/> | RCS2 |
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| Physician | 58 | Two, Test Doctor | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 57 | One, Test Doctor | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 56 | State, Steve | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 55 | Storm, JOhnnny | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 52 | Doe, Sofia | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 50 | Phys, Kimm | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 48 | Detroit, Doctor | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 47 | Test01, Hannah | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 46 | Doe, Lucia | 07/11/2018 | <input checked="" type="checkbox"/> | RCS2 |
| Physician | 45 | Doe, Robin | 07/11/2018 | <input checked="" type="checkbox"/> | RCS2 |
| Physician | 44 | Doe, Felix | 07/11/2018 | <input checked="" type="checkbox"/> | RCS2 |
| Physician | 43 | Test, Physician17 | 07/11/2018 | <input checked="" type="checkbox"/> | RCS2 |
| Physician | 42 | Doe, Mary | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 38 | Test, Physician5 | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 37 | One, QA Tester Testing | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 33 | Doe, Karla | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 31 | Test, Physician0 | 07/11/2018 | <input type="checkbox"/> | RCS2 |

Confirm



| | | | | | |
|-----------|----|------------------|------------|--------------------------|------|
| Physician | 58 | Two, Test Doctor | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 57 | One, Test Doctor | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 56 | State, Steve | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 55 | Storm, JOhnnny | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 52 | Doe, Sofia | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 50 | Phys, Kimm | 07/11/2018 | <input type="checkbox"/> | RCS2 |

Acknowledgement



I acknowledge the selected records have met their record retention policy and are ready to be purged from the system. Any questions have been discussed with RSD Records Management Liaison.

Confirm

Cancel

| | | | | | |
|-----------|----|------------------------|------------|--------------------------|------|
| Physician | 42 | Doe, Mary | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 38 | Test, Physician5 | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 37 | One, QA Tester Testing | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 33 | Doe, Karla | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 31 | Test, Physician0 | 07/11/2018 | <input type="checkbox"/> | RCS2 |

Confirm



Search DO
Employee

Record Management

Logout

Dispensing Organization Details [update](#)

Name: Green Growers of Texas LLX
Assumed Name: Green Growers LX
Type of Ownership: General Partnership
Expiration: 06/30/2020
License Number: 17510001

Contact Info [update](#)

Phone: (512) 555-4988
Email: GreenGrowers123@yahoo.com
Website: www.GreenGrowers123.com

Physical Address [update](#)

Green Growers LX
10248 N Research Blvd.
Suite 123
Austin, TX 78758

Mailing Address [update](#)

10248 N Research Blvd North
Box 123
Austin, TX 78759

Application

▸ Submitted 03/14/2018 09:13 - Approved

Administrative Actions [update](#)

☐ Admin Flag



Application Worklist

Physicians

Dispensing Orgs

DPS User List




Record Management

Open Report

Worklist [select all](#)

| Type | Record ID | Name | Scheduled Date | Confirmed | Confirmed By |
|-------------|-----------|-------------|----------------|--------------------------|--------------|
| DO Employee | 47 | Dev Abraham | 07/11/2018 | <input type="checkbox"/> | RCS2 |

Report - Purged Record Counts by Month

Export to:   

| Year-Month | Physician | DO | DO Emp | Prescription | Patient |
|------------|-----------|----|--------|--------------|---------|
| 2018-04 | 0 | 0 | 0 | 8 | 0 |
| 2018-05 | 3 | 0 | 2 | 6 | 7 |
| 2018-06 | 0 | 0 | 0 | 0 | 24 |

| | | | | | |
|-----------|----|-----------------|------------|-------------------------------------|------|
| Physician | 55 | Storm, JOhnnny | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 52 | Doe, Sofia | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 50 | Phys, Kimm | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 48 | Detroit, Doctor | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 47 | Test01, Hannah | 07/11/2018 | <input type="checkbox"/> | RCS2 |
| Physician | 46 | Doe, Lucia | 07/11/2018 | <input checked="" type="checkbox"/> | RCS2 |



Questions?

- Austin Neal, PMI-ACP, PMP, CSM - Senior Project Manager, DPS EPMO: Austin.Neal@dps.texas.gov
- John Douglas, PMP - DPS RSD OSS Infrastructure Support Group Team Lead: John.Douglas2@dps.texas.gov
- Melissa Cawthon, PMP, CSPO – DPS RSD OSS – Project Coordinator: Melissa.Cawthon@dps.texas.gov
- Diana Burns, PMP - DPS RSD OSS Operations Deputy Manager: Diana.Burns@dps.texas.gov