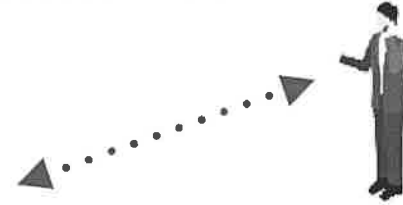# Cannabis registries in Oregon

A quick primer

eek

OHA has registry (OMMOS) for tracking patient transfers

OMPP grower

OMPP card holding patients
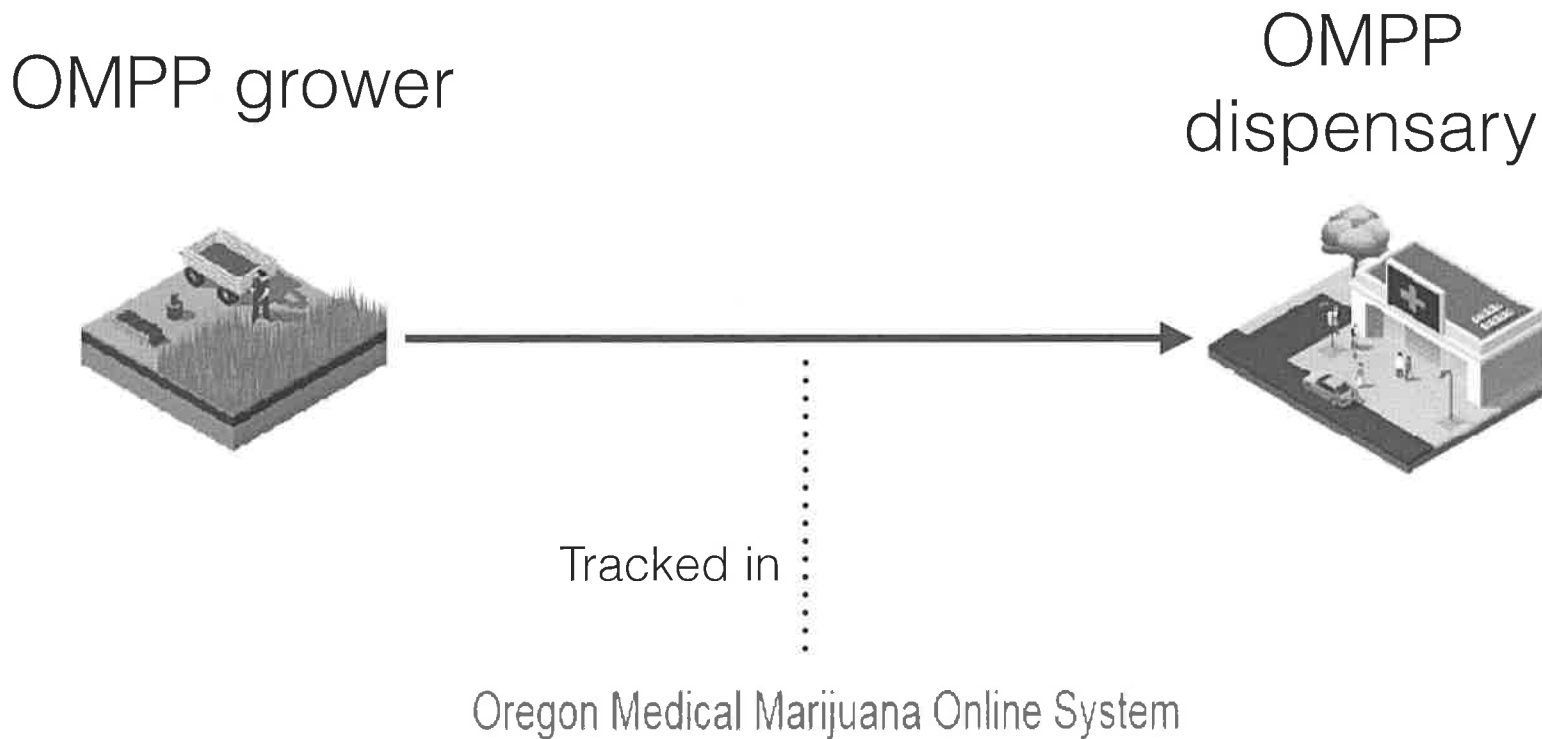
With Dr. approval

Tracked in

Oregon Medical Marijuana Online System

eek

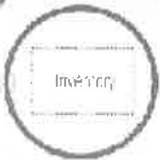# OHA's OMMOS also tracks transfers from farms to Dispensaries

OMPP grower

OMPP
dispensary

Tracked in

Oregon Medical Marijuana Online System

eek

OMMOS - transfers

Janie Doe (jestomm@gmail.com)

Collapse ✔ 🌿 Janie Doe (MMGR607000)

📋 Renewal Check

[Inventory]

> **Click on the inventory tab to begin entry of transfers.**

⚠ Inventory must be entered each month. You have until the 10th of the month to submit inventory for the previous month.

Question(s) on submitting inventory? Email **mmg-online@state.or.us**.

[Add Inventory for May 2016]

Show [10 ▾] entries   Search:

Month	Year	Inventory
No data available in table		

Showing 0 to 0 of 0 entries   Previous   Next

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OMMOS Inventory

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OMMOS Inventory

OLCC's METRC tracks transfers from producers to retailers

OLCC producer

OLCC dispensary

Tracked in

metrc

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OLCC's METRC also tracks sales from retail to patients and consumers

OMPP dispensary

Anyone over 21

OMPP card holder

With Dr. approval

Tracked in

metrc

eek
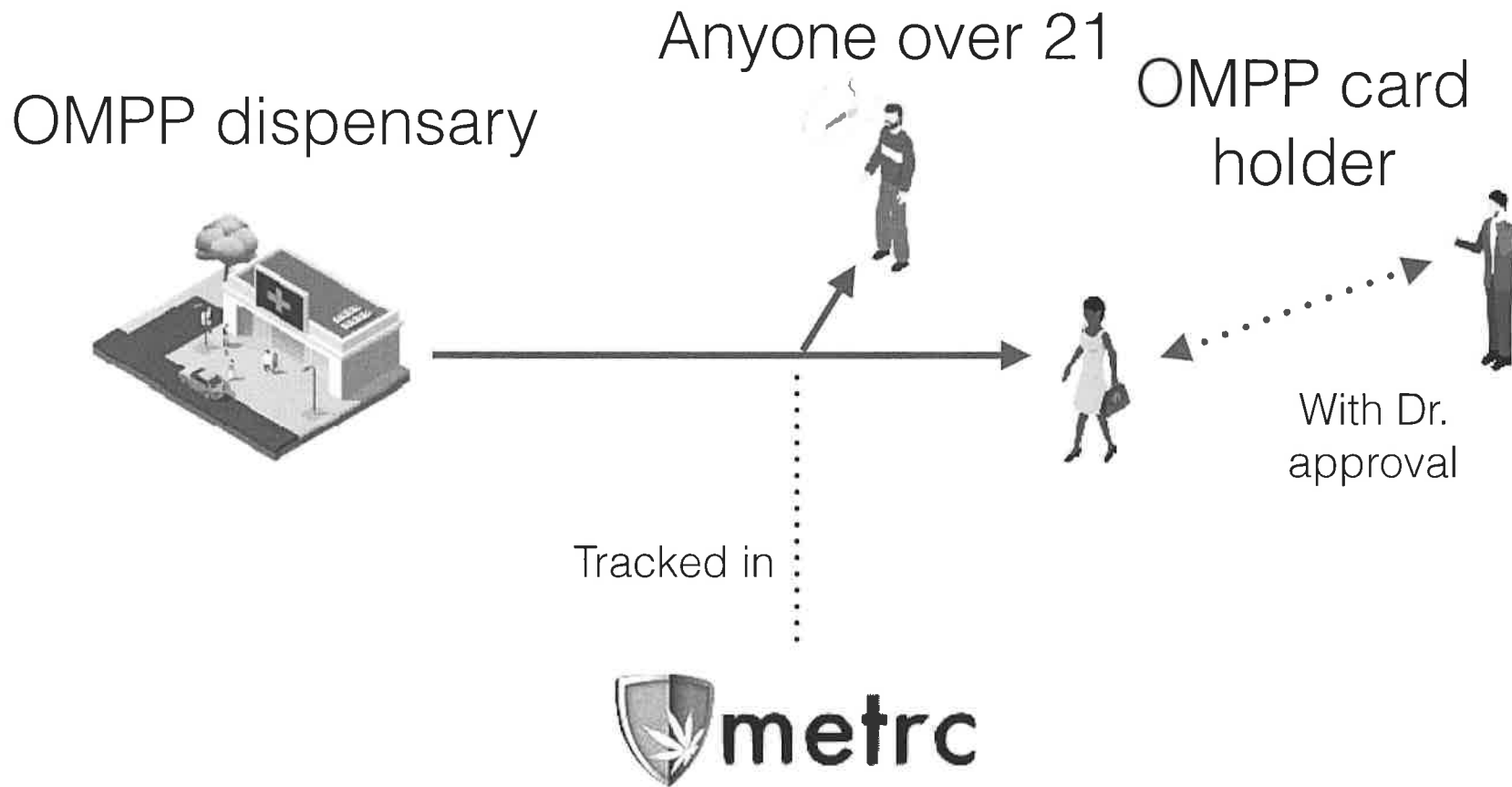
METRC has more precise transfers (at time of transaction)

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METRC generates manifests for product moving between facilities

metrc

OREGON LIQUOR CONTROL COMMISSION
CANNABIS TRANSPORTATION MANIFEST

All sales transactions are to be completed prior to transportation of any Cannabis. The receiving entity may reject product delivered, but amount delivered must be limited to amount agreed upon in prior sales transaction. If the person transporting Cannabis has not yet received his or her Handler's Permit number, please put "Pending" in the appropriate field.

Manifest #:		Date Completed:	4/12/2017 12:37 PM
License # of Originating Entity:			For OLCC Use Only
Name of Originating Entity:			
Address of Originating Entity:			
Phone No. of Originating Entity:			

Contact Phone No. for Inquiries:		510-316-4501	
DESTINATION:	Green-Way Medicinal	**Destination Phone No.:**	**503-385-1848**
Stop Number on Route:	1	Destination License Number:	
Address of Destination:		Date and Approximate Time of Departure:	4/12/2017 12:35 PM
		Date and Approximate Time of Arrival:	4/12/2017 4:35 PM
Route to be Traveled: 5		Notes: details for extenuating circumstances (e.g., road closure, flat tire, etc.)	

10   eek

Some Feature Observations

- Features METRC has the OMMOS doesn't currently

  - Legal manifests

  - Day to day measurements (sales receipts, packages, transfers, …)

  - Finer grain details for plants, harvests, transfers

  - Real-time transfer system (verified participants and packages)

eek

Some Observations

- Potential long term challenges to METRC

  - Scaling the registry - Will it grow with user growth?

  - Enforcing the rules - Are the analytics useful, actionable for participants and enforcement?

  - Effort to manage, effort to enforce are cited as high

  - Requires new capability for system to generate paperwork for producer -> patient tracking

  - Does it promote a false sense of security for identifying out of METRC product diversions

12   eek

Options for Oregon Registries

A. Both registries continue to exist, but try to integrate in best, easiest way (recognizing that some farms will be in both)

B. OMMOS is extended to become both

C. METRC is extended to become both

   A. With no changes

   B. With modifications for OHA

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Options assuming both systems co-exist

A. Keep boundaries between them (e.g. OHA sells to OHA only using OMMOS, OLCC sells to OLCC only using METRC)

B. OLCC registrants with medical grows track all in METRC and extend METRC to push data to OMMOS

C. OHA registered growers in OMMOS also opt in to METRC using one of METRCs data import tools (either registered themselves or through a licensee)

Oregon Medical Marijuana Online System

OHA

OLCC

metrc

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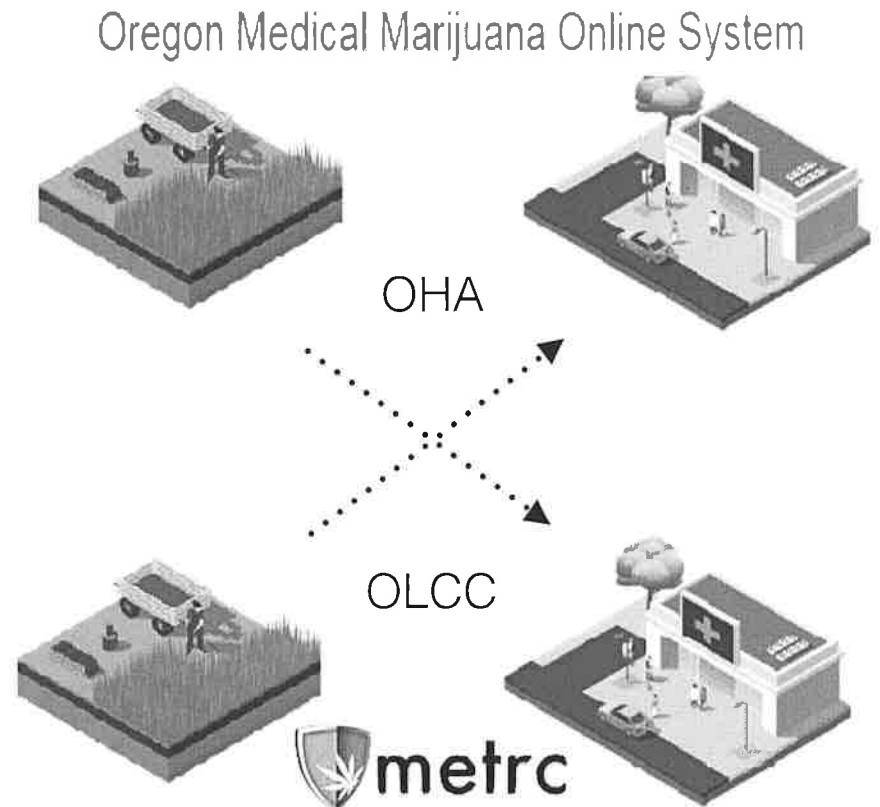
Options for scenario where only OMMOS was to exist for both markets

- Greatly extend functionality of OMMOS to handle missing pieces that METRC has working

  - Daily reporting

  - Manifests

  - Finer grain controls of transfers

  - Tags

- Note: Perhaps look at California and/or a distributed ledger approach to further extend safety of data and participants (e.g. Blockchain registry) - build a next generation system for Oregon

OHA

OHA

Oregon Medical Marijuana Online System

OLCC 10% extra

OLCC

OLCC

15 eek
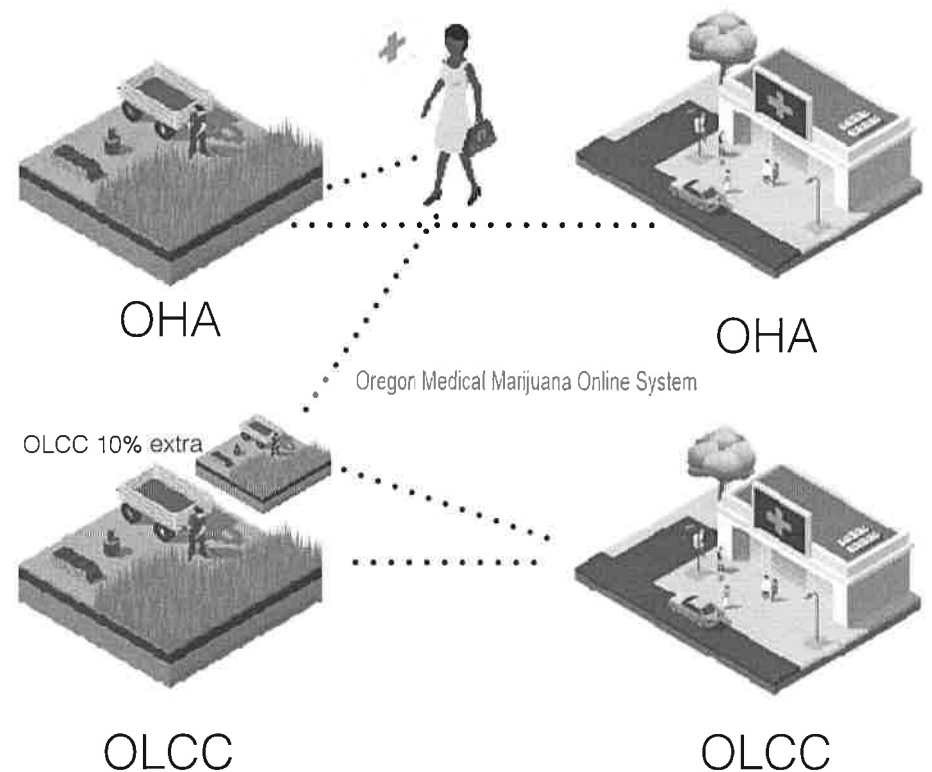
Options for scenario where only METRC exists

- Extend functionality to handle any missing pieces

  - Capability for Producers, Processors, and Wholesalers (as well as Retailers) to product to registered patients directly

  - Capability for tracking "medical only" product in the system to have appropriate controls for 'medical only' dispensaries

  - Create a process for a lighter-weight model to allow OHA participants to use the system similar to OMMOS (imports)

OHA

OHA

OLCC 10% extra

metrc

OLCC

OLCC

/6   eek
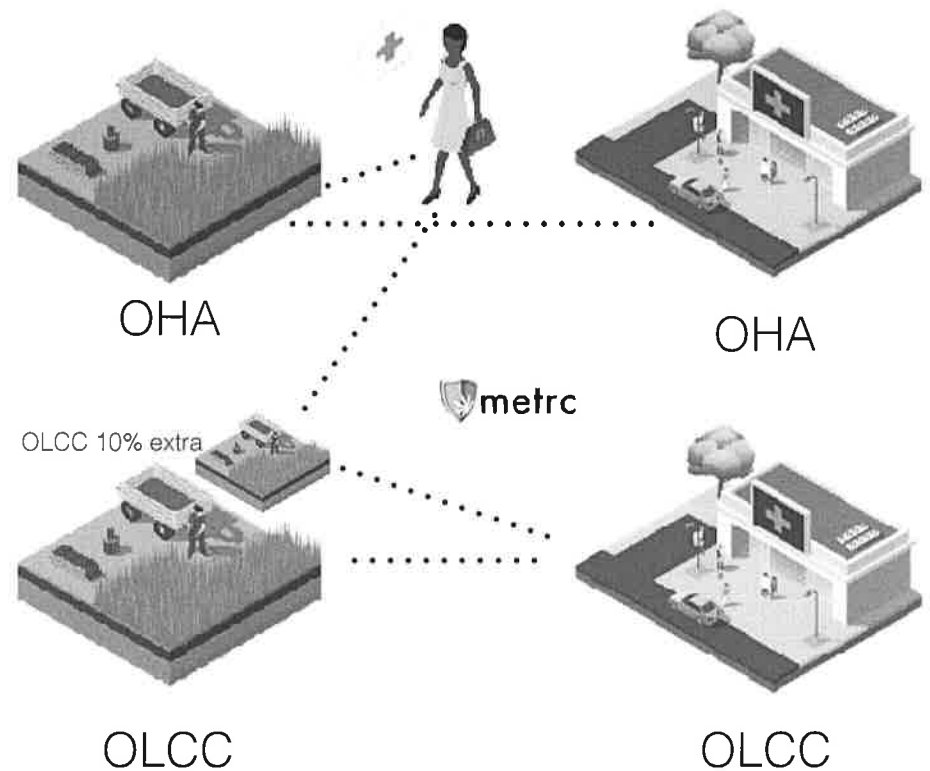
METRC - Adding an item manually

Items

Add Items | Edit Items

Item	Category	Type	Quantity Type	Unit of Measure	Strain	Unit THC Content

No data is available to display.

Page 0 of 0   20 ▾ rows

Add Items   ×

Item # 1   [clear]

Name [　　　　　　　　]   Unit of Measure [　　　　　　　　] ⇕

Category [- Select -] ⇕

+

Why no multi-Facility create such as that available in Employees, Strains, and Rooms?

Certain Item Categories require the selection of a pre-existing Strain. Verifying and informing that the specified Strain exists in all of the selected Facilities would be convoluted and complex to inform. For this reason we have opted to not add the ability to create Items in multiple Facilities at the same time.

Create Items   Cancel

METRC - CSV uploads (API also supports system-to-system updates)

metrc A Franwell Business

Package Adjustment .CSV Uploads

The following example shows several lines of a CSV:

1A400000266EF88000004FD,10,Each,"Entry Error",06/17/2014,M12345

1A400000266EF88000004FE,-1,Ounces,"Drying",06/16/2014,M12345

1A400000266EF88000004FF,-3,Kilograms,"Over Sold",06/14/2014,M12345

METRC - Data import tool for CSVs

19 eek

Registry conclusion

- It is likely the best choice for Oregon to choose one registry and have it deliver for all participants

- METRC feels like the right choice right now

  - There is a middle ground that could be lighter-weight for OHA users, and still fulfill seed-to-sale tracking

  - Could support a lighter weight process (e.g. monthly) for most data and be used in a way similar to OMMOS.

  - Some METRC features will require more interaction with the system than OMMOS, such as transfers

- A deep dive should occur to create a one-registry system in Oregon now, supporting both markets that honors both ecosystems

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