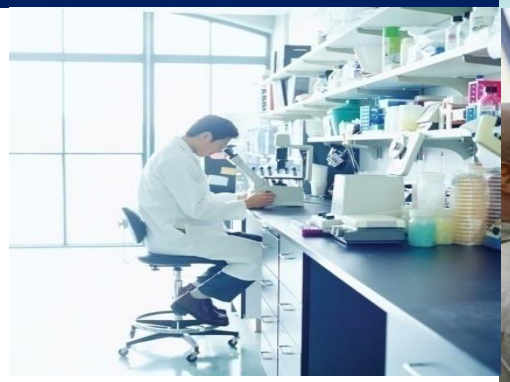
Information Sharing Strategy for Primary Care Home and Across the Continuum of Care



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Feb 24, 2017

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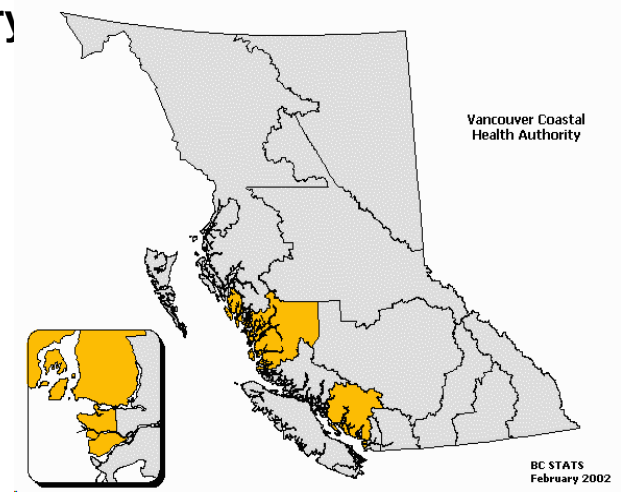
Agenda

1. Vancouver Coastal Health Context
2. Clinical Information Systems & Information Sharing Strategy
3. Primary Care Home EMR Integration Project : Year 1 Solution
4. Key Year 1 Project Deliverables
5. Project Work Streams
6. Clinical Engagement
7. Questions

Vancouver Coastal Health

- **Annual funding: $3.4 B**
- **Population served: ~1,045,000 (25% of BC's population) primary and secondary care; all of BC tertiary/quaternary specializations**
- **Residents of Vancouver, Richmond, North Shore and Coast Garibaldi, Sea-to-Sky, Sunshine Coast, Powell River, Bella Bella, and Bella Coola**
- **Number of staff: 13,000 full time/part time staff + ~3,000 volunteers**
- **Number of physicians: 2,100**
- **Number of contracts with other health agencies: ~400**
- **Number of beds: ~9,000 acute, rehab and residential**
- **Emergency Department: 1,100 daily visits**
- **Home Care Nursing: 891 daily visits**



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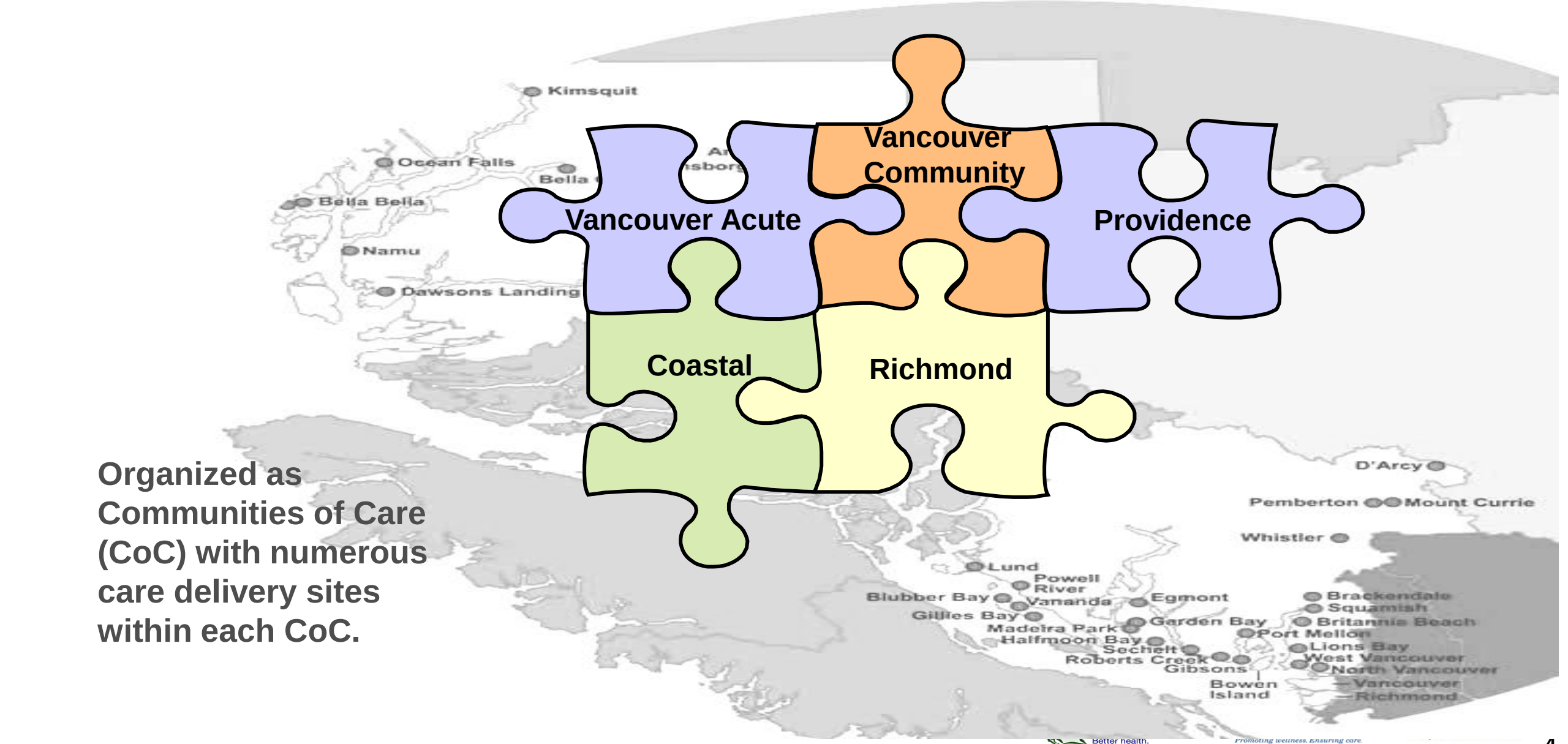
VCH Overview – Operations Management

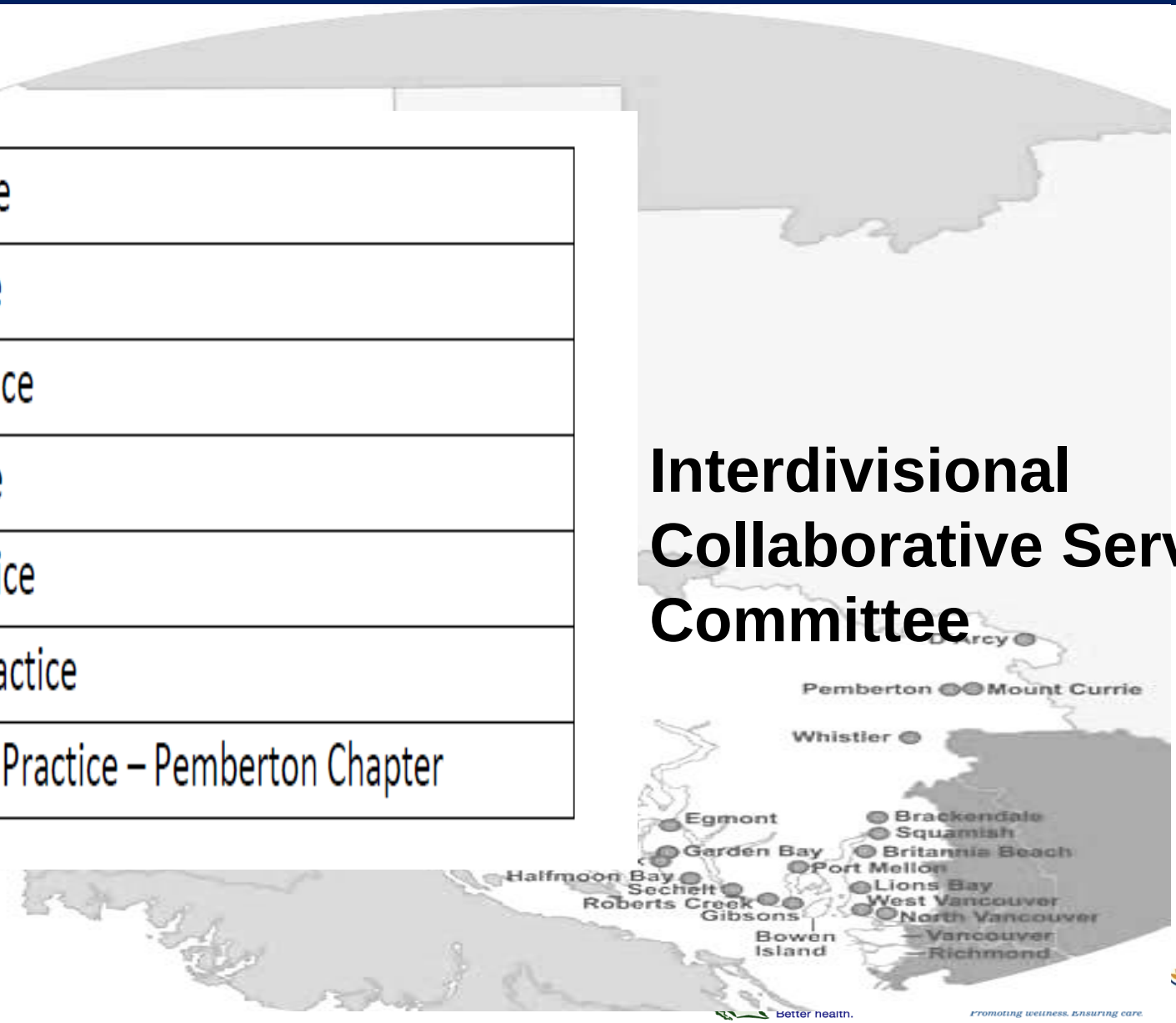


Organized as Communities of Care (CoC) with numerous care delivery sites within each CoC.

Divisions of Family Practice within VCH Region

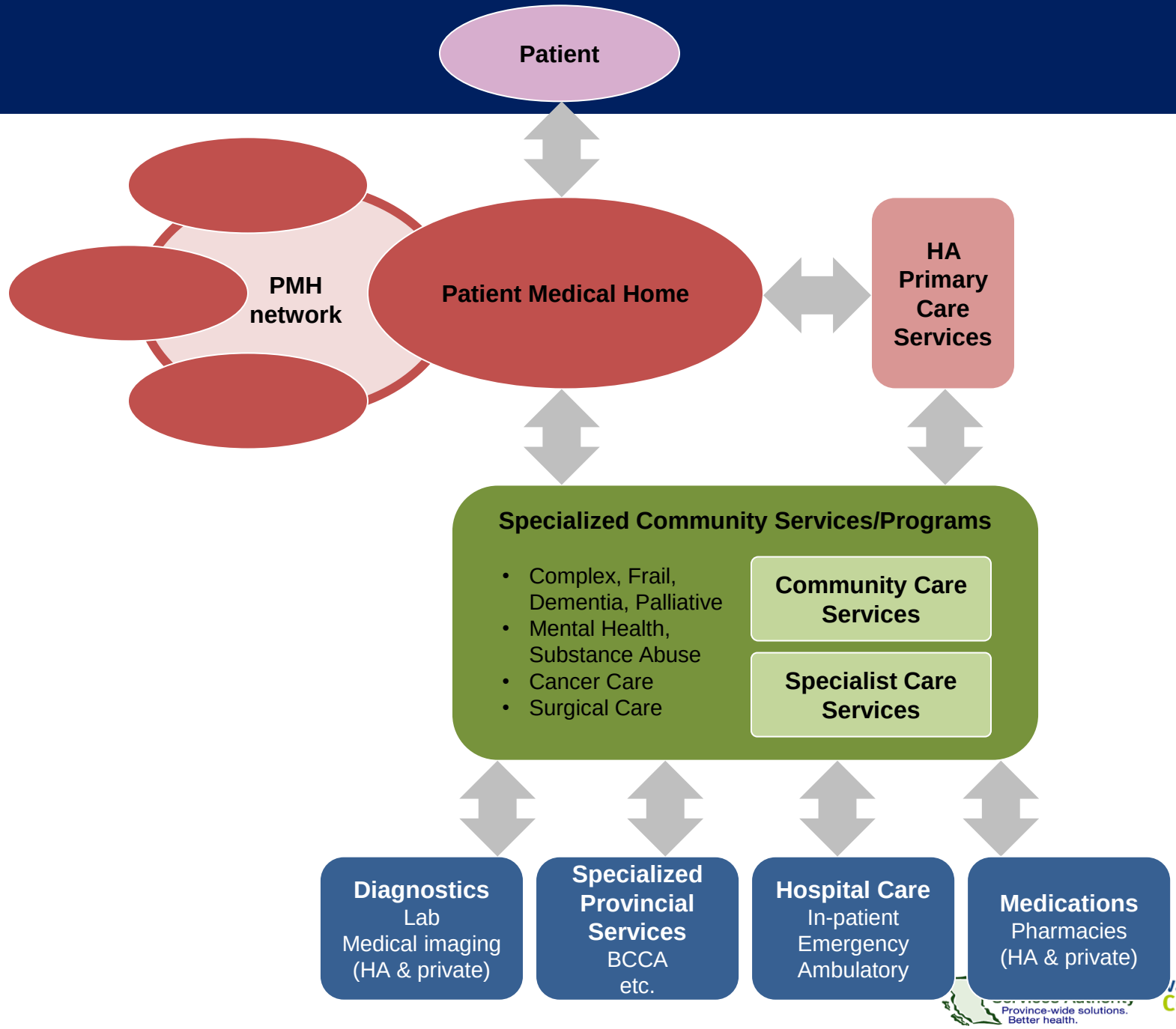
1.	Vancouver Division of Family Practice
2.	Richmond Division of Family Practice
3.	North Shore Division of Family Practice
4.	Sea to Sky Division of Family Practice
5.	Powell River Division of Family Practice
6.	Sunshine Coast Division of Family Practice
7.	Rural and Remote Division of Family Practice – Pemberton Chapter

Interdivisional Collaborative Services Committee



Primary & Community Care Operating Model Context

Primary Care Home



Primary Care Home: Current State Reality & Challenges

- The Primary Care Home Models will be in flux for some time
- No “definitive” set of IMIT requirements at this stage
- Need pragmatic, workable short-term solutions and flexibility to support short to medium term evolution of PCH model
- Step-wise approach to achieve longer term vision; ongoing, nimble (agile) IMITS – PCH engagement to thoughtfully evolve the enabling solutions to support PCH health information sharing

Year 1 Solution Approach

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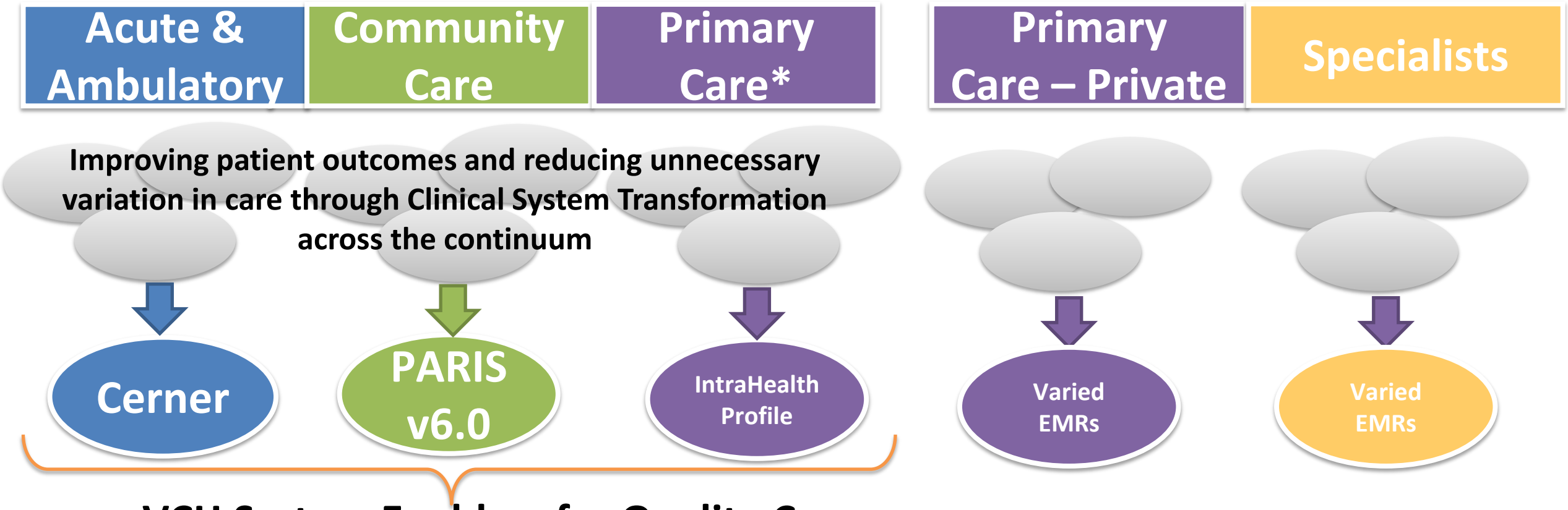
Clinical Information Systems & Information Sharing Strategy



VCH System Enablers for Quality Care

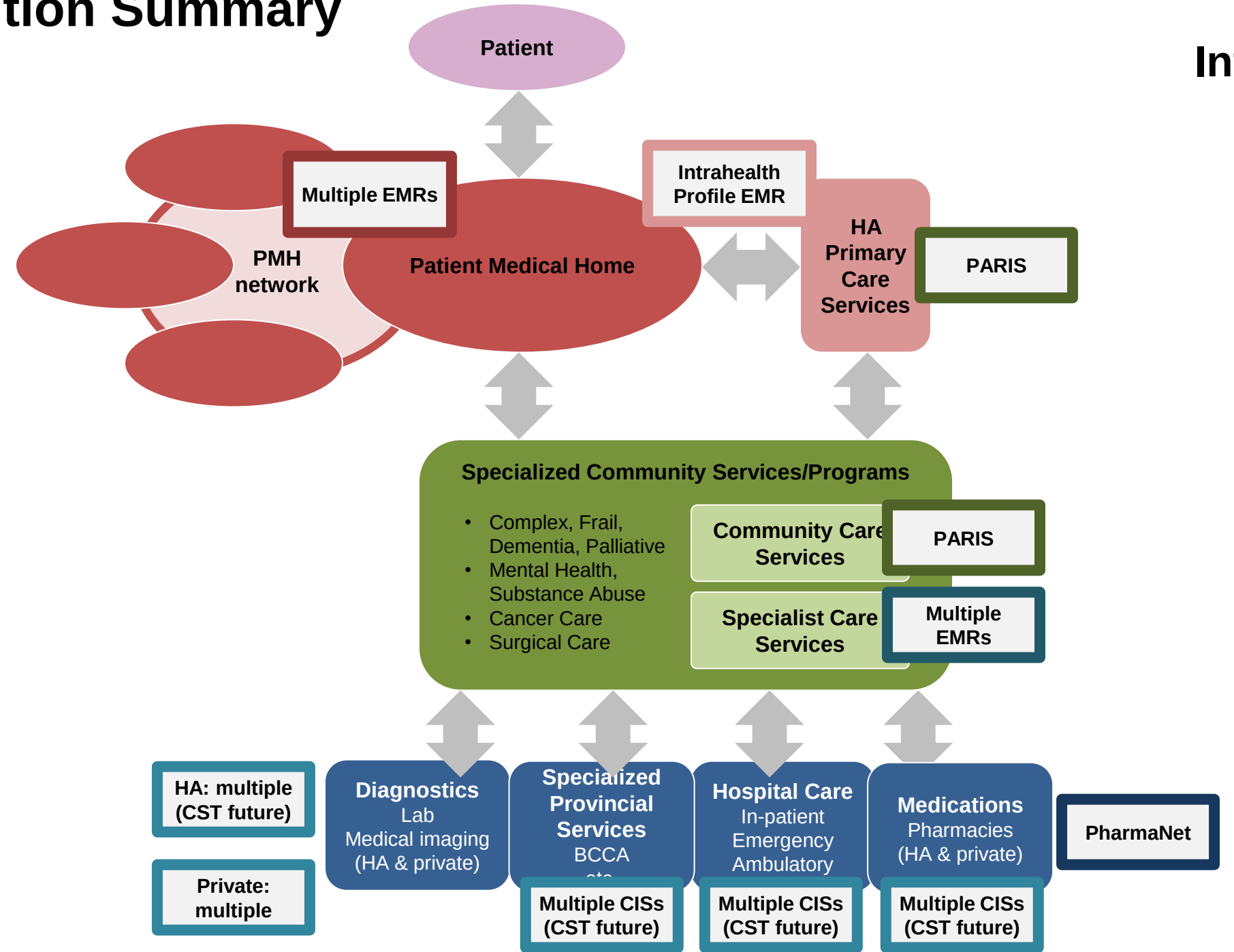
Information Sharing Across the Continnum of Care

* VCH/PHC funded Primary Care Clinics

Year 1 Solution Summary

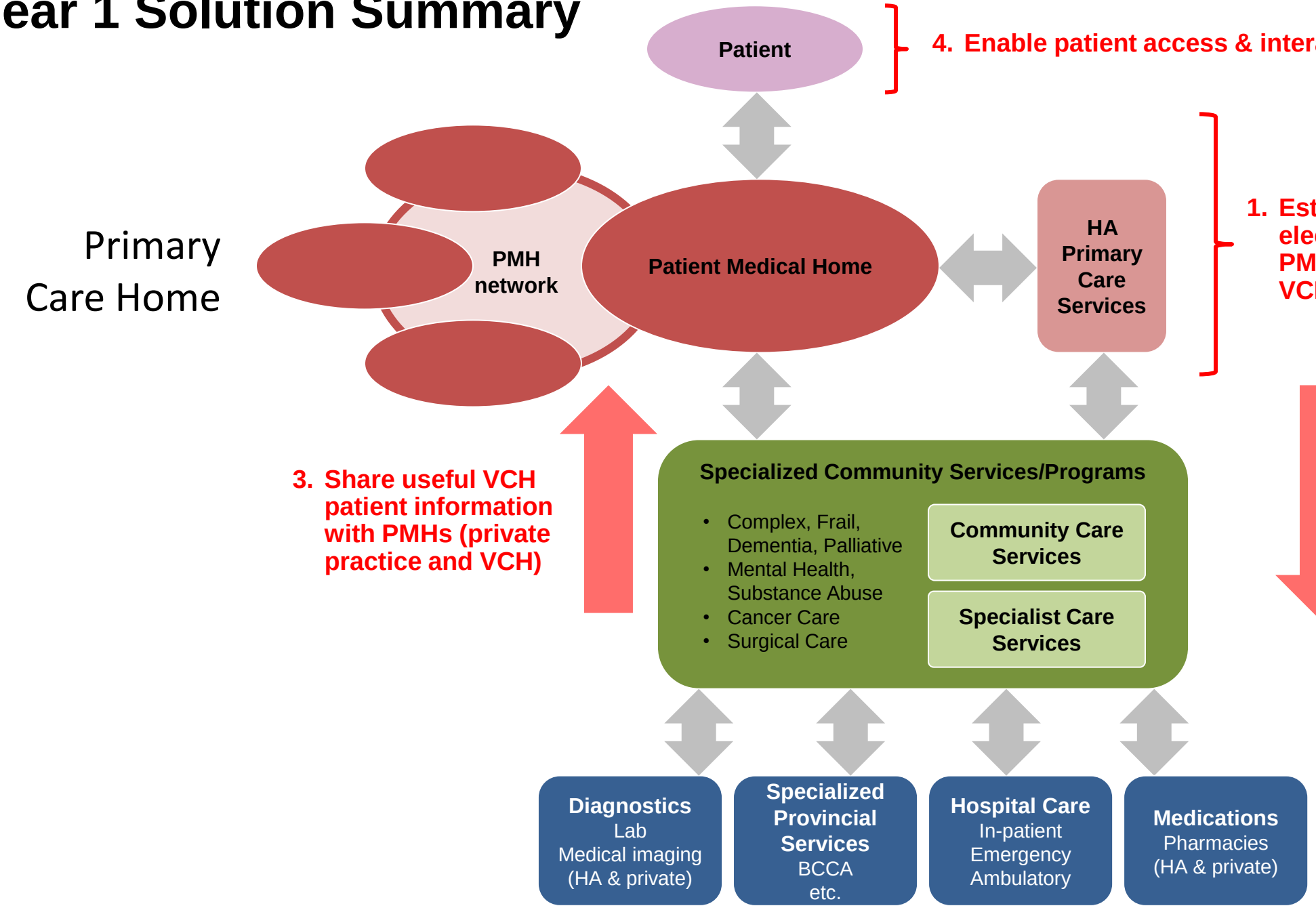
Existing Information System Enablers

Primary Care Home



Year 1 Solution Summary

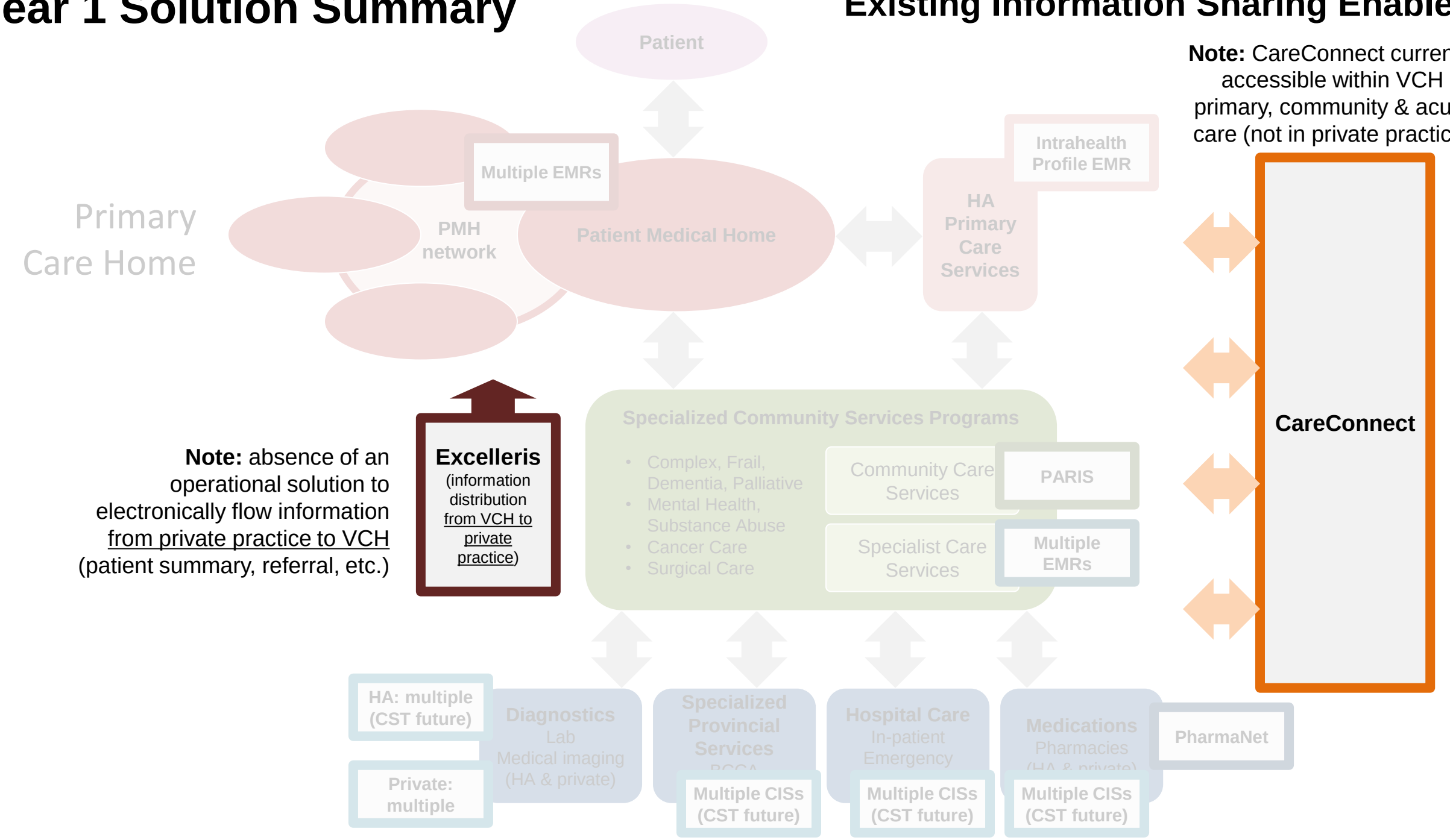
Information Sharing Strategy



Year 1 Solution Summary

Existing Information Sharing Enablers

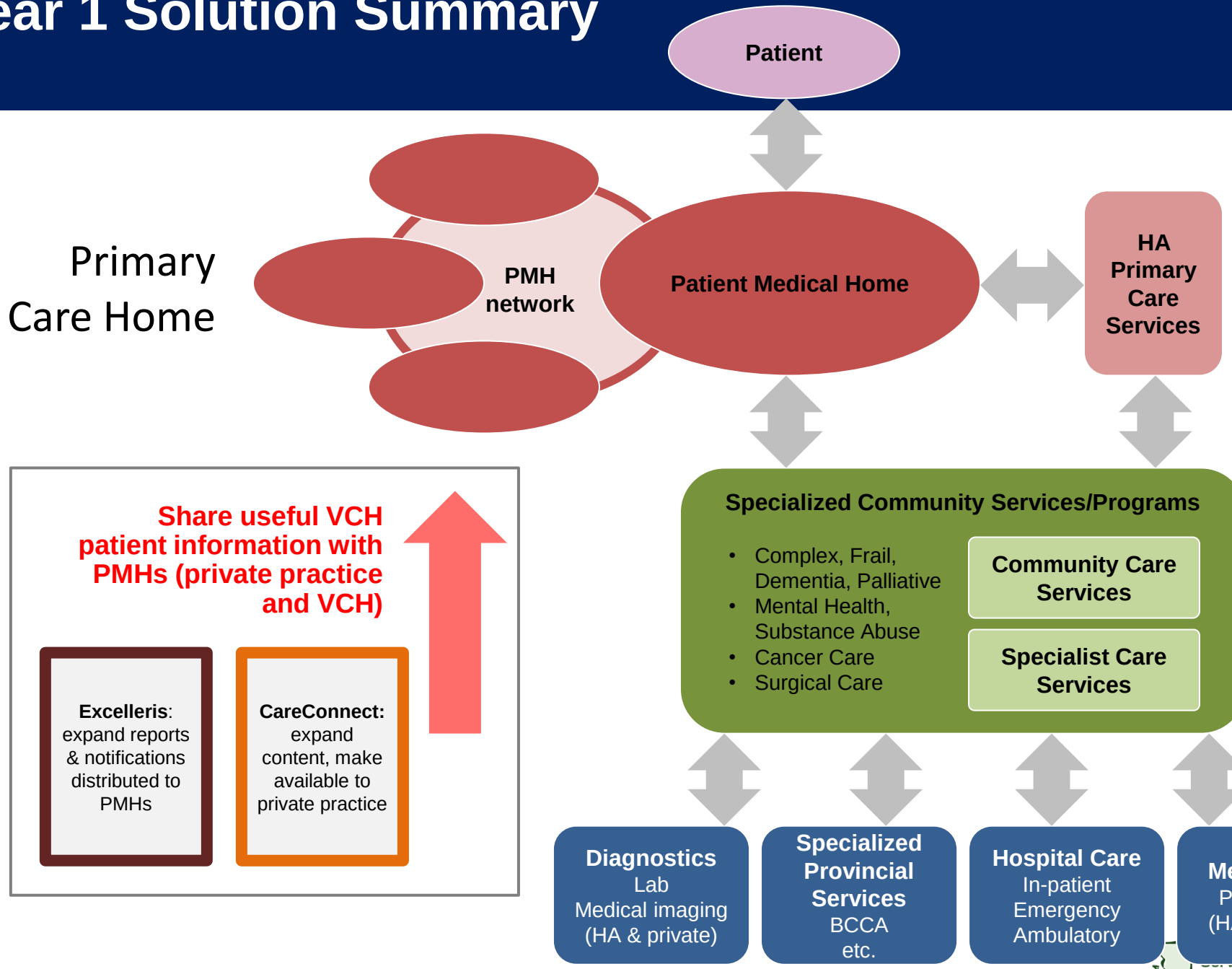
Note: CareConnect currently accessible within VCH primary, community & acute care (not in private practice)



Note: absence of an operational solution to electronically flow information from private practice to VCH (patient summary, referral, etc.)

Year 1 Solution Summary

Information Sharing Solution Approach



Enable PMH Shared Care Plans (private practice and VCH), and other useful patient information, to be shared with other care team members

- **VCH-based PMH's**: CareConnect, cross-system interfaces
- **Private practice PMH's:**
  - Provincial and EMR alignment required (cannot be a VCH-only solution) – collaboration require with DOBC, EMR vendors, other HAs, MoH, etc.
  - Conservatively, assume, year-2 implementation (may be able to begin implementing in year-1, depending on speed of provincial developments)

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Key Year 1 Deliverables

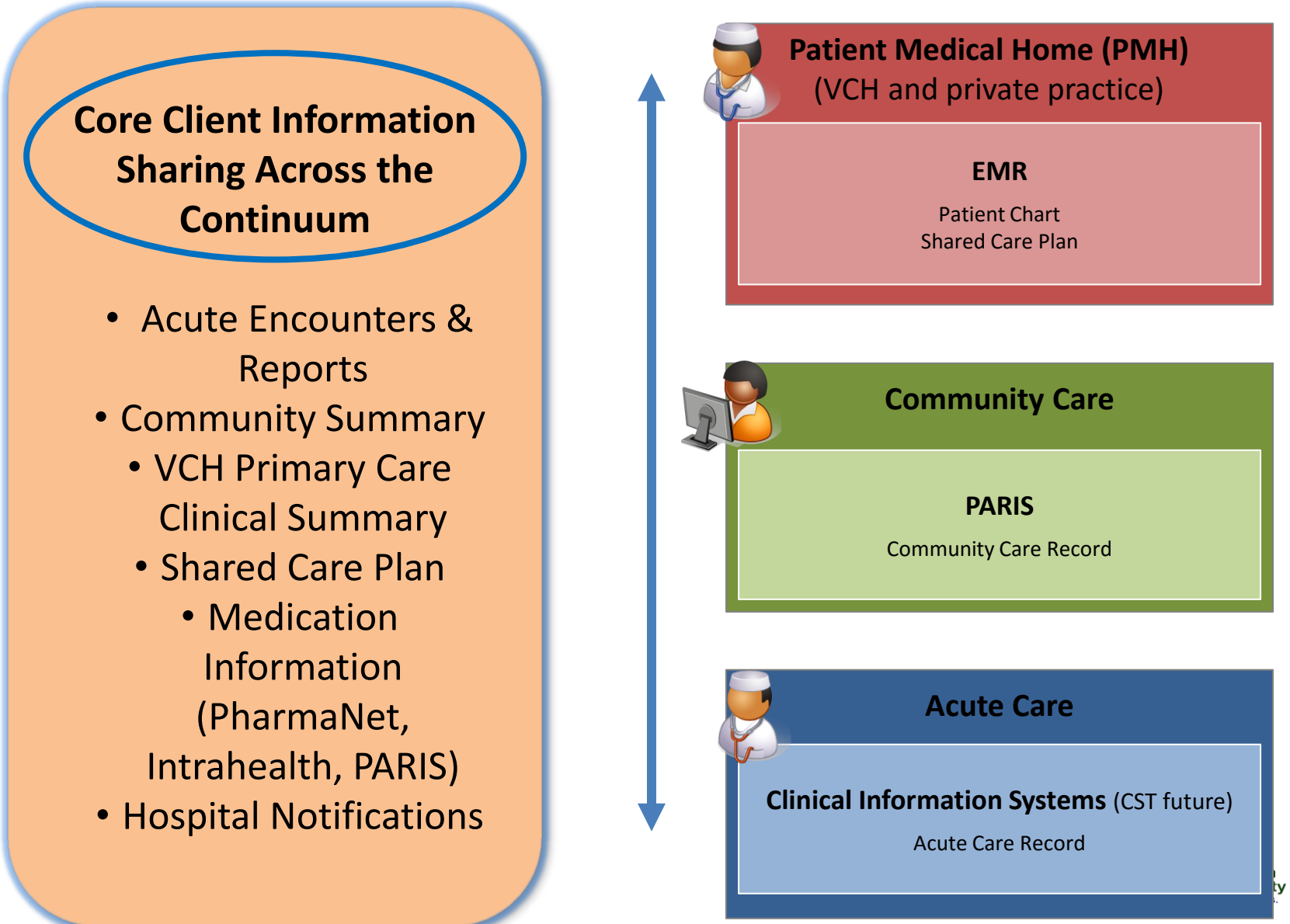
- **Shared Care Plans** established in VCH and private practice Patient Medical Home EMRs
- Expansion of **CareConnect content** to include:
  - VCH Patient Medical Home **Shared Care Plans**
  - PharmaNet **medication profiles**
  - Other **priority clinical content**

  → immediately available to existing CareConnect users in acute, community, primary care
- **CareConnect** access expanded to **private practice** Patient Medical Homes (EMR-integrated)
- Expansion of VCH **reports and notifications** distributed to Patient Medical Homes
- Provincially agreed solution for making private practice Patient Medical Home **Shared Care Plans** available within **health authorities**
  - Initial VCH implementation, if feasible depending on provincial timelines
- **Patient access** (clinical content & access models tbd)
  - Collaborate with LMC Health Information Management
- **eReferral** solutioning

Primary Care Home Integration Enablers: Year 1 Summary

Core Client Information Sharing Across the Continuum

- Acute Encounters & Reports
- Community Summary
- VCH Primary Care Clinical Summary
- Shared Care Plan
- Medication Information (PharmaNet, Intrahealth, PARIS)
- Hospital Notifications



Year 1 Work Streams

	Workstreams	Key Linkages
1	Tactical Support for Proof-of-Concept Communities	• VCH Proof-of-Concept Communities established
2	Shared Care Plan Development	• Doctors of BC Shared Care Plan project
3	Implement Shared Care Plan at VCH	• Doctors of BC Shared Care Plan project • VCH Proof-of-Concept Communities
4	VCH Clinical Info Sharing	• eCommunityNEXT • CST Project • DTES 2nd Generation
5	Expand Reports Distribution & Notifications	• eCommunityNEXT • EMR vendor capability
6	Expand CareConnect content	• Workstreams 3 and 5

Privacy - Records Management - Communications - Sustainment

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Year 1 Work Streams

	Workstreams	Key Linkages
7	VCH EMR Integration with CareConnect	
8	Private Practice EMR Integration with CareConnect	• MoH approvals • VCH Privacy/IMITS Security • EMR vendor capability
9	Medication in CareConnect	• MoH approvals • PharmaNet team • CST Project
10	Patient Access & Interaction	• Provincial strategy • EMR vendors
11	Sharing Private Practice EMR Data with VCH	• Doctors of BC Shared Care Plan project • VCH Privacy/Security • HISSC
12	eReferral	• Other eReferral initiatives • PARIS Connect • CST

Privacy - Records Management - Communications - Sustainment

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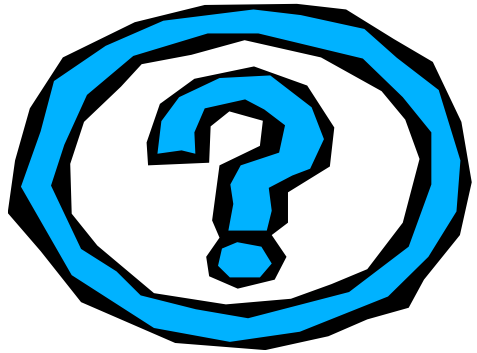
Clinician Engagement

	VCH	Private Practice	Other
Patients	Patients		
Primary Care Homes	**Primary Health Integration** **Proof-of-Concept Communities in North Shore , Richmond, Vancouver** **VCH Clinics** **VCH Community**	**Divisions of Family Practice** **Interdivisional Collaborative Services Committee** **Private Practice Physicians, Midwives** ***Nurse Practitioners (future)***	**Doctors of BC / PSP** **Other Health Authorities (including First Nations)**
Projects	**EMR Expansion Project** **eCommunity Next Project** **Downtown Eastside 2nd Generation** **Clinical Systems Transformation (CST)**		
Programs and Services	**Regional Primary and Community Care** LM Health Information Management **Transformation** Privacy Communications		
IMITS	**Primary/Community Care IMITS** **eHealth** Enterprise Architecture and Security Integration		
Ministry			Ministry of Health

Red = Clinician Engagement

Questions



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Appendix

VCH Clinical Information Systems

Information Systems – Cerner CST

CERNER CLINICAL FUNCTIONALITY BY CARE SETTING				
Cerner Functionality	**Acute & Ambulatory / Rehab**	**Hospice**	**Mental Health**	**Residential**
Registration / EMPI	yes	yes	yes	yes
Scheduling	yes	yes	yes	no
Results Review (Lab Results, MI Reports, Documents, Vital Signs, Results from Clinical Documentation)	yes	yes	yes	yes
Powerchart (Clinical Documentation)	yes	yes	yes	no
Provider Documentation with FESR	yes	yes	yes	yes
Problem List	yes	yes	yes	yes
CPOE	yes	yes	yes	yes
Medication Management	yes	yes	yes	yes
Pharmacy Supply Chain	yes	yes	yes	yes
RADnet (1)	yes	Service Area	Service Area	Service Area
Reports (Analytics)	yes	yes	yes	yes
Powerchart Maternity	yes	no	no	no
FetaLink (Maternity Areas)	yes	no	no	no

PARIS Overview - Functionality

PARIS is a multi-program client centric electronic health record that supports many clinical and administrative processes in all Vancouver, Richmond, and Coastal Community

Reg. → **Referral** → **Registry** → **Waitlist** → **Clinical Documentation** → **Finance** → **Discharge**

Clinical Documentation
- Assessments
- Care Plan
- Progress Notes
- Immunizations
- Screening
- Financial Assessment

Finance
HS Invoice Reconciliation

Support Functions
- Scheduling
- Operational Reports

Point of Care Documentation Entry
- Wireless PARIS

Interfaces
- EMPI
- CareConnect / Provincial E-Health Viewer
- VCH Communicable Disease → BCCDC
- Decision Support
- Regional Information Privacy Office / Audit
- PCC EMR
- Provincial Audiology (BEST)
- Procura
- Pixalere

- Clinical Summary
- Campaigns
- Groups
- Medications
- Provider Offer
- Integrated Client Viewer
- Informed Consent Entry

Intrahealth Profile (VCH/PHC EMR) Overview - Functionality

Intrahealth Profile is a multi-team client centric clinical record that supports many clinical and administrative processes in VCH & PHC primary care and specialty clinics

PARIS Reg & Referral

Medical Record

Appointment Scheduling & Tracking

Clinical Documentation
- Problem, Alerts, Diagnoses
- Encounter Notes & History
- Typing Templates
- Forms & Flow Sheets
- Interventions & Recalls
- Outward Referrals & Letters
- Task Management
- Lab results import/management
- Prescriptions

Billing (WCB, ICBC, MSP etc.)

Discharge

Point of Care Documentation Entry
- Wireless VCH/PHC EMR

Library of Reference Materials

Interfaces / Extracts
- PARIS (Registration & Referral, Alerts, Immunization History)
- Teleplan (Billing)
- Excelleris (Lab & Transcribed Reports)
- Medinet/Pharmanet
- VCH Decision Support DataWarehouse
- CareConnect (Provincial eHealth Viewer)

Fax/Scan Document Management
Consults, Reports, Consent forms, etc.

Administative Documentation
- Administrative Problems
- Task management

Reporting & Program Evaluation

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