



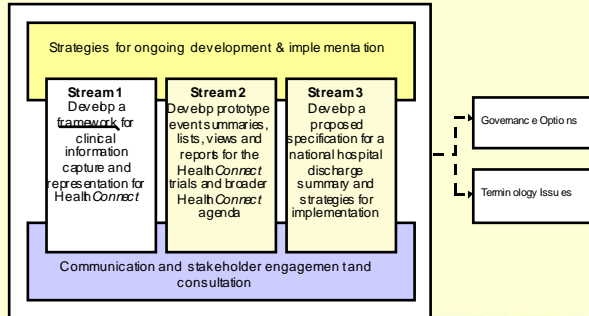
HealthConnect Clinical Information Project (CIP)



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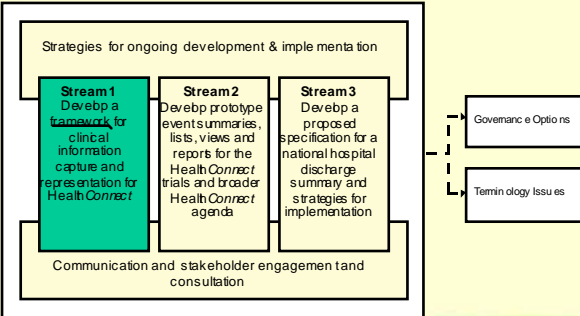


CIP Work Streams



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CIP Work Streams



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Stream 1 Framework

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What is the framework, and why?

The Framework is for specifying Clinical Information for shared EHRs

Should help answer:

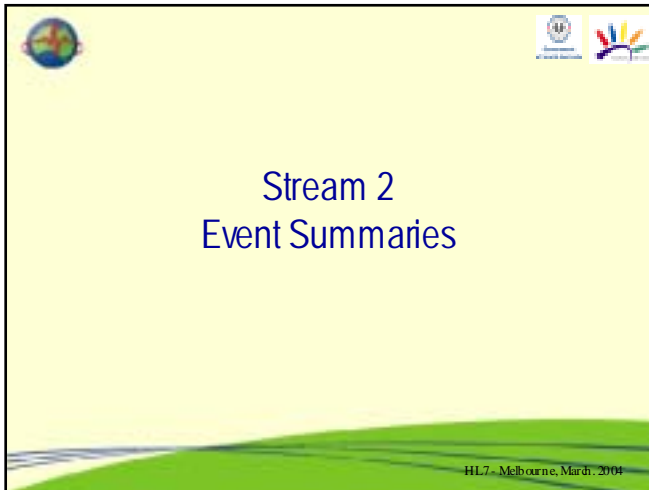
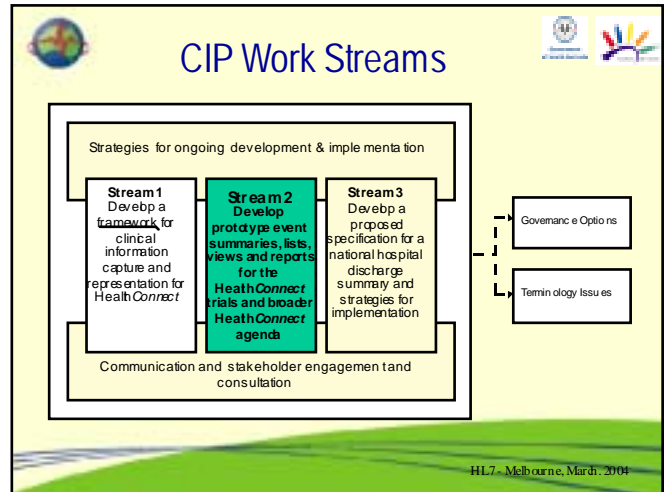
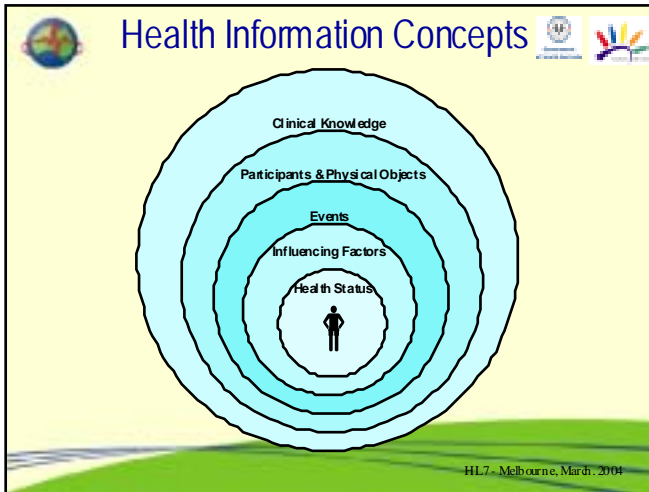
- what information to record?
- how to describe information?
- how to classify information?
- how to prioritise information?
- when to enter/update information?

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Clinical Information Framework

- Principles
 - project
 - information collection and representation
- Information Model
 - Clinical concept diagrams.
 - Clinical concept attributes.
- Concept Definitions
- Properties and Constraints
 - Level 1 - general content issues pertaining to entire EHR.
 - Level 2 - issues pertaining to EHR transactions.
 - Level 3 - issues pertaining to individual EHR entries.

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Event Summary Types

Information Source	Event type			Content Components
	HealthConnect registration	Initial Health Profile	Standard Healthcare Events	
Consumer	✓	✓	✓	Life incidents, condition, problem, list maintenance, life-stage, medications
Provider	GP	?	✓	GP consultation
	Pharmacist	?	X	Dispensing
	Allied Health	?	?	Aged care assessment, Allied health visit
	Pathologist	X	X	Pathology test
	Radiologist	X	X	Radiology examination
	Specialist	X	X	Specialist consultation
Hospital	X	✓	Discharge	condition, problem, list maintenance, life-stage, treatment, outcome, adverse reactions, functionality, family history, medications, risk factors
	Other	?	?	
Legal Registry	X	?	?	condition
HealthConnect Registration Agent	✓	X	X	consent, demographics

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- ## Event Summary Types
- Registration to HealthConnect
 - consumer demographics
 - provider demographics
 - consent
 - Initial Health Profile
 - health history
 - recent/current medications
 - warnings
 - immunisations
 - allergies
 - Standard Event Summaries
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- ## E. S. components
- Condition components:-
 - Pregnancy
 - Diabetes
 - Mental Health
 - Heart disease
 - COPD
 - Life-stage components:-
 - Child Health - blue books (CHIN)
 - Aged care
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E. S. components (cont)

- Problem/symptom components:-
 - Shortness of breath
 - Tiredness
 - Mental impairment
- Spanning components:-
 - Medication prescription and dispensing;
 - Vital signs;
 - Immunisation history;
 - Care planning; and
 - Health outcomes.


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Stream 2 EHR Views & EHR Lists






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Priority EHR views

- Primary View
 - patient demographics
 - key lists such as adverse reactions, warnings, current medications
- Health Profile View

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Priority EHR Lists

- Maintained Lists
 - current medications
 - active problems/diagnoses
 - adverse reactions
 - warnings
 - recent/significant tests and investigations
 - inactive but significant problems/diagnoses




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Priority EHR Lists (cont)

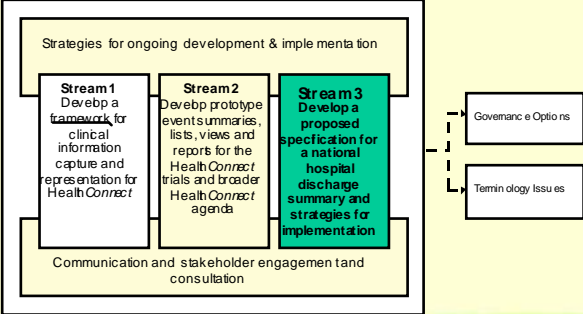
- Derived Lists
 - prescribing history
 - procedure/treatment history
 - lifestyle
 - family history
 - recent health services






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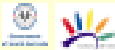
CIP Work Streams



The diagram illustrates the CIP Work Streams. It features a large central box labeled "Strategies for ongoing development & implementation" which contains three vertical boxes: "Stream 1 Develop a framework for clinical information capture and representation for HealthConnect", "Stream 2 Develop prototype events summaries, lists, views and reports for the HealthConnect trials and broader HealthConnect agenda", and "Stream 3 Develop a proposed specification for a national hospital discharge summary and strategies for implementation". To the right of this central box are two smaller boxes: "Governance Options" and "Terminology Issues", both connected to the central box by dashed lines. Below the central box is the text "Communication and stakeholder engagement and consultation".






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Stream 3 National Discharge Summary (proposed)

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National Discharge Summary

- Consensus-based
- builds on SA metropolitan hospitals summary
- builds on Standards Aust. Referral Message (IT14-6-6)
- Hospitals to GP (initially)
- Entries described using ISO11179
- expressible: HL7 v2.5+; HL7 CDA; CEN 13606; paper

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Discharge Summary sections

<ul style="list-style-type: none"> • Report Header • Presenting Problems • Principal Diagnoses • Other Conditions/Diagnoses • Complications • Problems on Discharge • Family Clinical History • Clinical History • Social Issues • Lifestyle • Risk Factors • Functional Status 	<ul style="list-style-type: none"> • Clinical Synopses • Procedures • Investigations • Medications • Adverse Reactions • Alerts • Advance Directives • Care Plan • Care Teams • Intended Recipients • Report Authoriser
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The End



Thank you.

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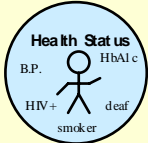
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Healthcare

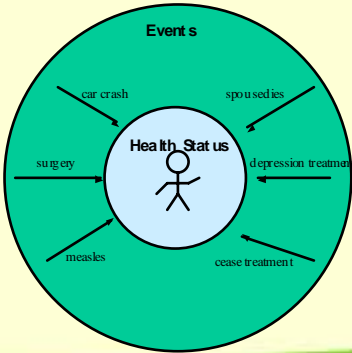


Health Status
B.P. HbA1c
HIV+ deaf
smoker

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Healthcare



Events
car crash spousal violence
surgery depression treatment
measles cease treatment

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