

Sparked



Clinical Design Group

AUCDI Release 2 Chronic Condition Management

Thursday 23rd January 2025

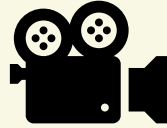
Online



Acknowledgement of Country

We acknowledge the Traditional Custodians of the land on which we all gather today.

We pay our respect to elders past, present, and emerging and extend our respect to all Aboriginal and/or Torres Strait Islander people, acknowledging the First Peoples as the first scientists, educators and healers.



Please note we will be recording this meeting

Agenda

- AUCDI – Update
 - Patient Summary Update on AUCDI R2 Patient Summary – Request for feedback by 31 Jan 2025
 - Update on AU Patient Summary Clinical Focus Group
- AU Patient summary FHIR IG Project - Update
- Chronic Condition Management
 - Recap of last CDG
 - Interventions and follow-ups
 - Social Determinants of Health Pattern
- Upcoming events



Objectives



Updating the CDG on the AUCD Release 2 Chronic Condition Management Proposals –and outputs from the CDG Chronic Condition Management Workshops

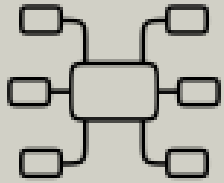


Propose requirements for the data groups to support real-time shared care planning and Chronic Condition Management

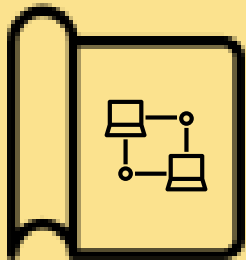


What is AU Core and Australian Core Data set for Interoperability (AUCDI)?

CDG is here



Specifies “*WHAT*” clinical information (and corresponding data elements and terms) should be included for data entry, data use and sharing information supporting patient care

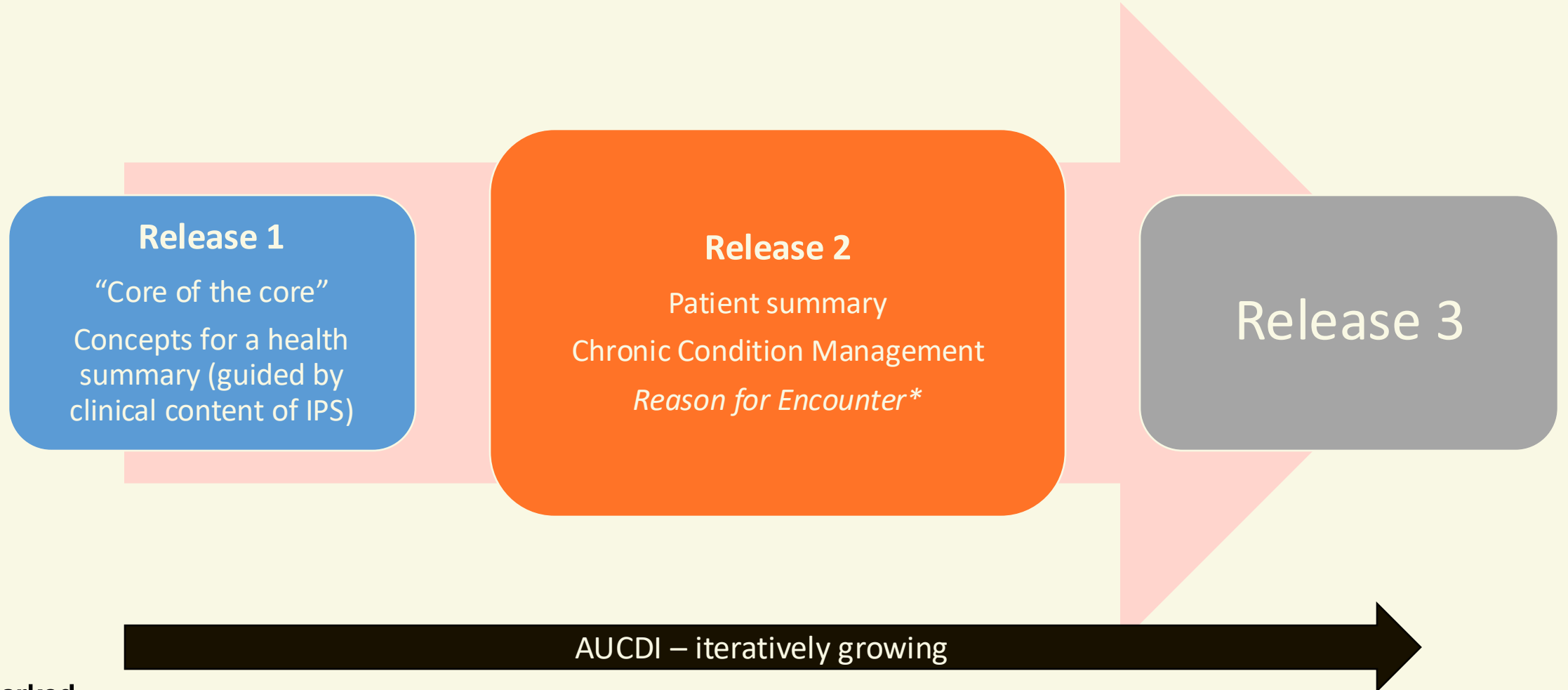


Specifies “*HOW*” the core set of data (above) and information should be structured, accessed and shared between systems

TDG is here

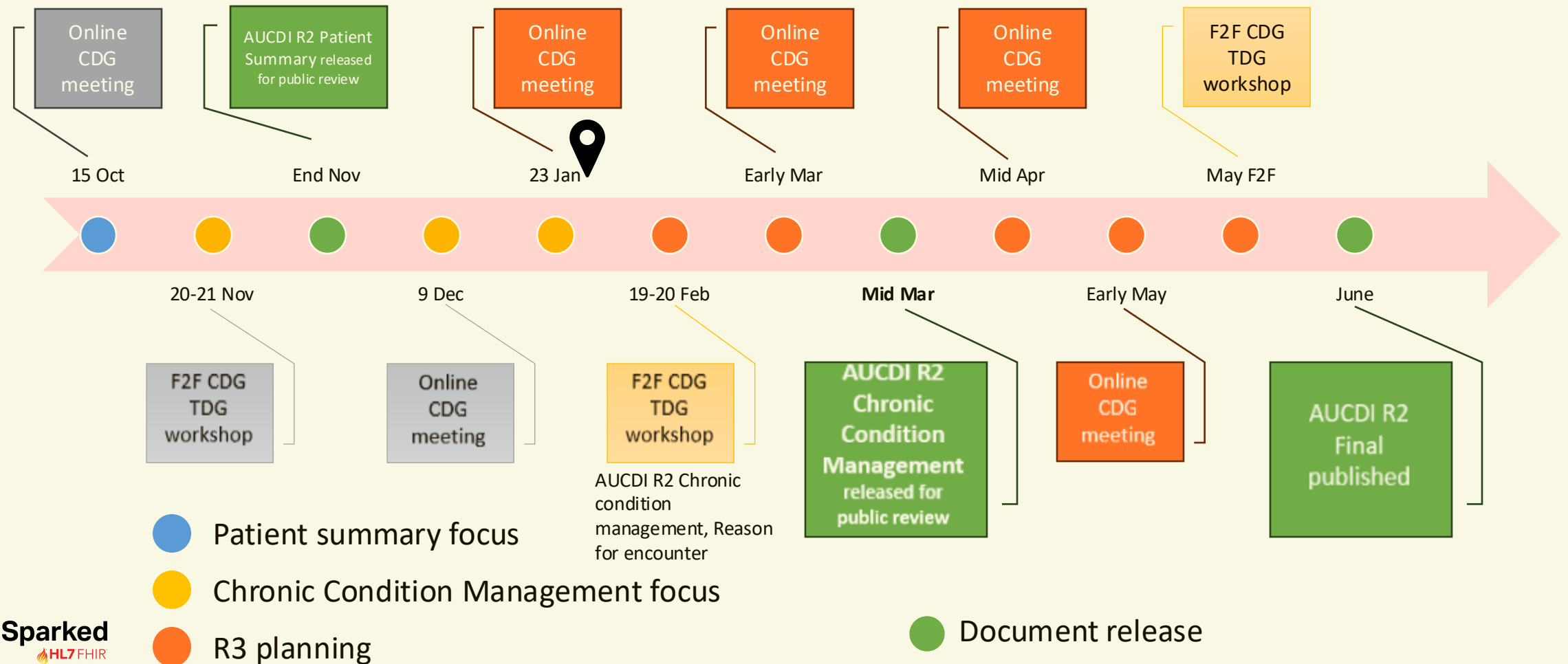


AUCDI Release 2 Chronic Condition Management





AUCDI R2 schedule





AUCDI Release 2 - Patient Summary

- Currently out for community review – Due 31 January
 - Keen to hear from as many stakeholders as possible
- Find details on our website <https://sparked.csiro.au/>
- Please contact us sparked@csiro.au if you have any questions or concerns



AU Patient Summary Clinical Focus Group (CFG) Update

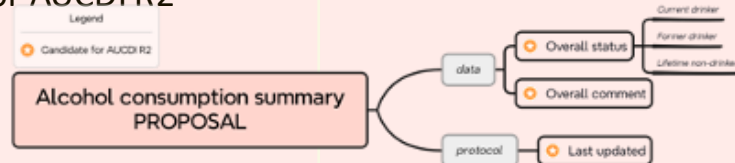
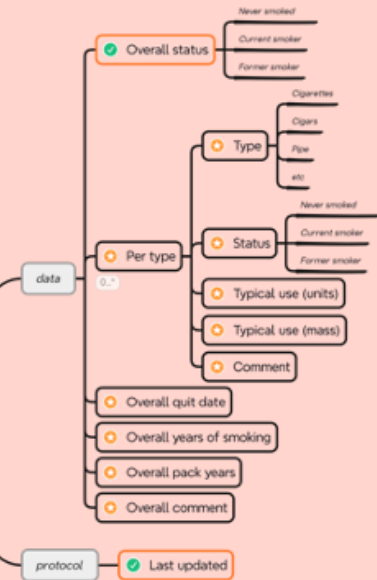
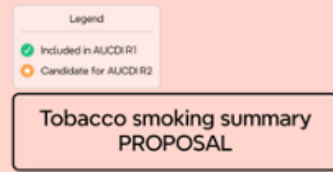
- First meeting for Jan 2025: Wednesday 5th Feb 2025
- Priorities:
 - Developing the clinical scenarios & test data to support the AU Patient Summary Consumer Journeys
 - Focus on the 3 PS Consumer Journeys that align with the endorsed technical use cases (i.e. Interstate GP Visit, Emergency Hospital Attendance & Referral to Specialist & Allied Health)
 - Supporting the Patient Summary FHIR IG Project, as needed
 - January online feedback request - Patient Summary Consumer Journey
 - 7 responses
 - Closed 17th Jan, *still available via the website until this Friday 24th Jan (if needed).
 - Or, email Sparked@csiro.au

Chronic Condition Management



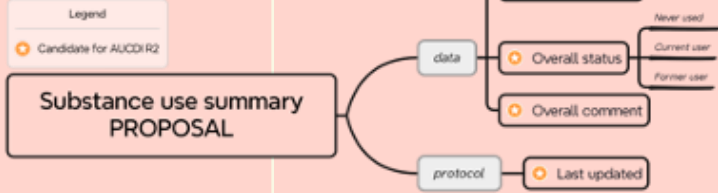
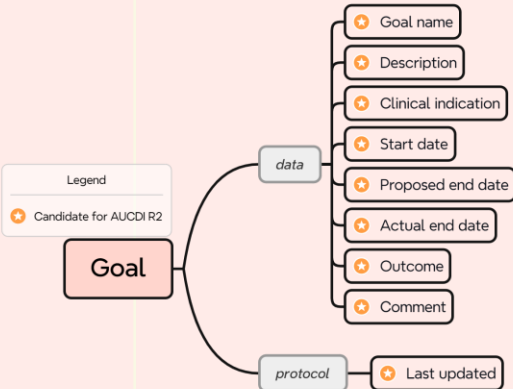
Recap of last CDG

Topic	Proposal	CDG result	Action
Tobacco smoking summary	Add Overall quit date, Overall years of smoking, Overall pack years and Overall comment to Tobacco smoking summary in AUCDI R1	Accepted	Tobacco smoking summary updated as proposed for AUCDI R2
Alcohol consumption summary	Create new data group 'Alcohol consumption summary' including Overall status, Overall comment and Last updated for AUCDI R2	Accepted	Alcohol consumption summary added to AUCDI R2



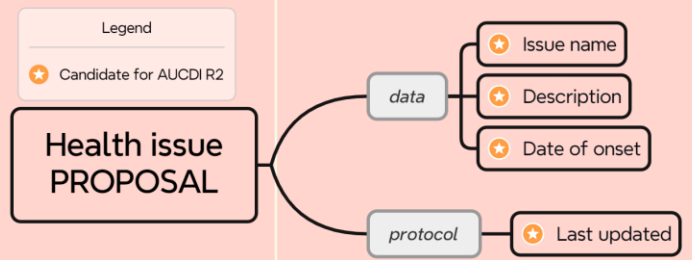


Recap of last CDG

Topic	Proposal	CDG result	Action
Substance use summary	<p>Create new data group 'Substance use summary' including Substance name, Overall status, Overall comment, Last updated for AUCDI R2</p> 	Accepted	Substance us summary added to AUCDI R2
Goal	<p>Create new data group Goal</p> 	Accepted	<p>Goal added to AUCDI R2</p> <p>Backlog items</p> <ul style="list-style-type: none">• Steps to achieve the goal• Owner/initiator/?? of the goal



Recap of last CDG

Topic	Proposal	CDG result	Action
Health issue	<p>Create new data group 'Health issue' including Issue name, Description, Date of onset and Last updated for AUCDI R2</p> 	Accepted	<p>Health issue added to AUCDI R2</p> <p>Backlog items</p> <ul style="list-style-type: none">• Issue Type (physical, mental, psychological)• Issue Status• Health consideration??

Care plans



Care plan data groups

1. What are we aiming for

- *Goal*
 - **Goal** data group

2. What needs to be done

- *Orders or instructions*
 - **Service request** data group

3. What was done

- *Activities completed*
- *Advice provided*
 - **Procedure completed** data group
 - **Vaccination administered** data group
 - **Medication administered** data group

Interventions
- what was done

Intervention feedback from Nov 2024 f2f

- 'Get what we can'
- 'Anything that changes the patient care journey'
- Professions:
 - Allied health
 - Physiotherapy
 - Chiropractor
 - Speech pathology
 - Podiatry
 - Psychologist
 - Medical
 - Nursing
 - Diabetes nurse educator
- Types of care
 - Home
 - Patient initiated
 - Medical
- Plans
 - Nutrition
 - Physical activity
- Progress
 - Evaluation
 - Outcome
- Groups of activities
 - Care
 - Social
 - Social supports
 - Carer supports
 - Nursing
- Links to:
 - Procedure
 - Goal
 - Goals of care
 - Problem/Diagnosis
- Specific activities
 - Counselling/advice
 - Home assessment/modification
 - Food bank
 - Education/Patient education
 - Provision of:
 - Equipment
 - Medical devices
 - Transport
 - Exercise prescriptions
 - Social prescriptions
 - Assistive technology
 - Alexa, Google
 - Meals on wheels

Intervention – proposed definition

Proposed Intervention definition

A single therapeutic activity, or a series of activities, intended to prevent, diagnose, treat, or manage health conditions, support mental or physical well-being, or address social and environmental factors that influence health outcomes.

January online feedback

- Crossover with consultation
- Consent
- Procedure vs other types of interventions?

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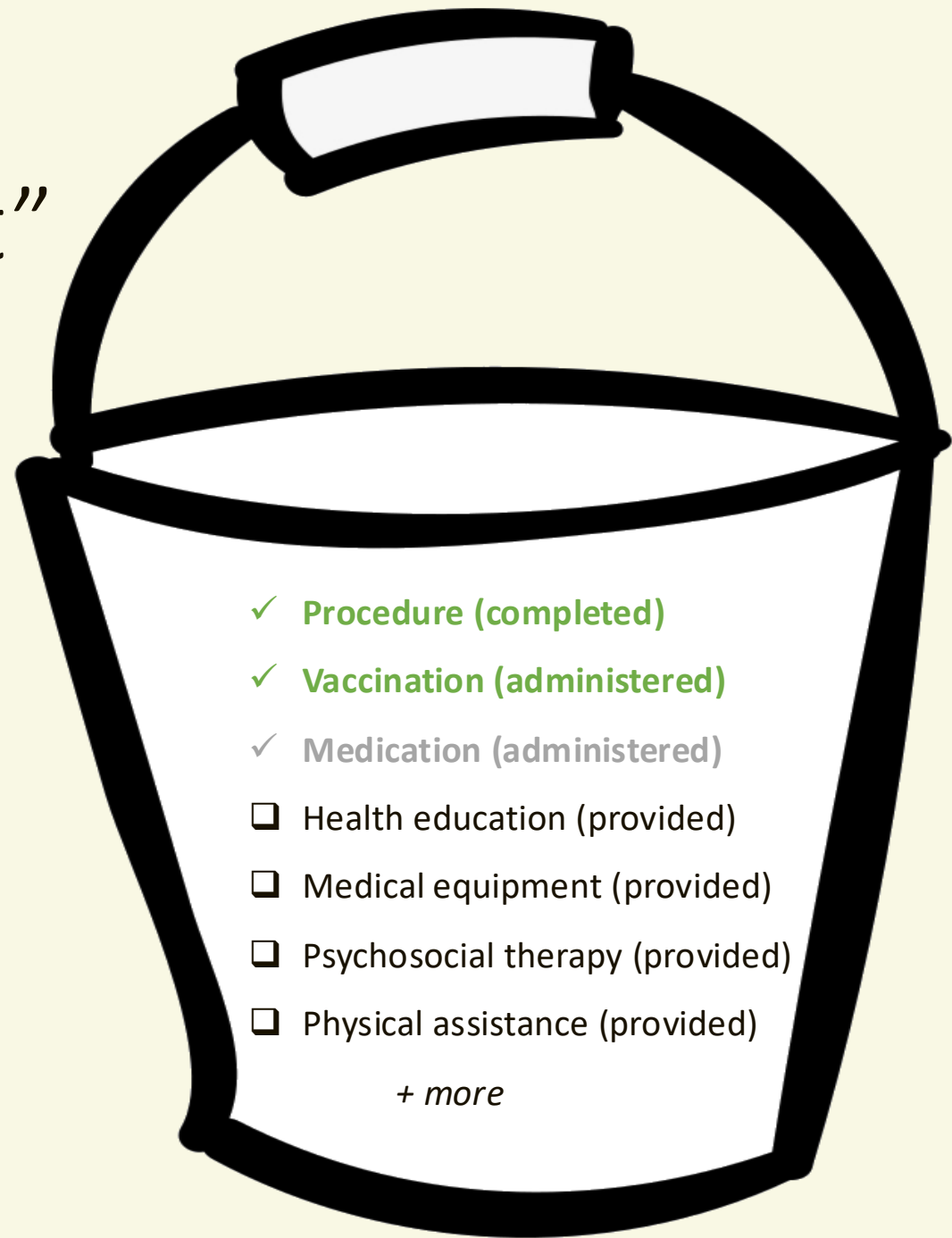


What is in the “Intervention bucket”

What activities were done?

Intervention definition:

A single therapeutic activity, or a series of activities, intended to prevent, diagnose, treat, or manage health conditions, support mental or physical well-being, or address social and environmental factors that influence health outcomes.





Proposed Intervention concepts

1. Health education

“Provision of information and resources about health-related topics to improve their knowledge and understanding, develop health-related skills, influence attitudes and beliefs, and encourage positive behaviour changes.”

Example: Diabetes management course; Heart health program; Stoma care course; Low FODMAP diet advice; Ketogenic diet advice; Low sodium diet advice; Quit smoking; Quit vaping; Increase physical activity; Alcohol reduction

Method: verbal, training course, demonstration, phone app, brochure, video etc

2. Provision of medical equipment

“Supply of medical devices and tools that are necessary for the treatment, management, or monitoring of health conditions.”

Example: 4-pronged stick; Shower rail; Theraband; Orthotic; TENS machine

3. Psychosocial therapy

“Therapeutic approach that combines psychological and social aspects to address and treat mental health issues, emotional distress, and interpersonal problems”

Example: Cognitive behaviour therapy; Family therapy; Assertiveness training; Aggression management

4. Physical assistance

“Hands-on support and care provided by carers to help individuals perform tasks they are unable to do themselves due to physical limitations or health conditions.

Example: Bathing; Dressing; Mobility support; Feeding

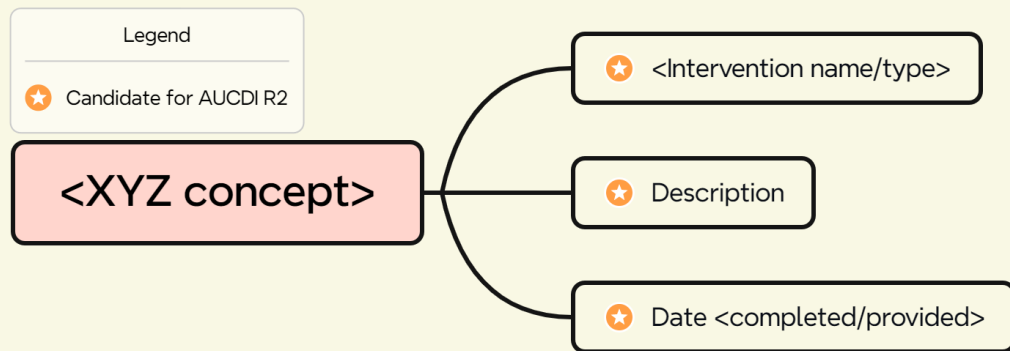
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Proposed Intervention pattern

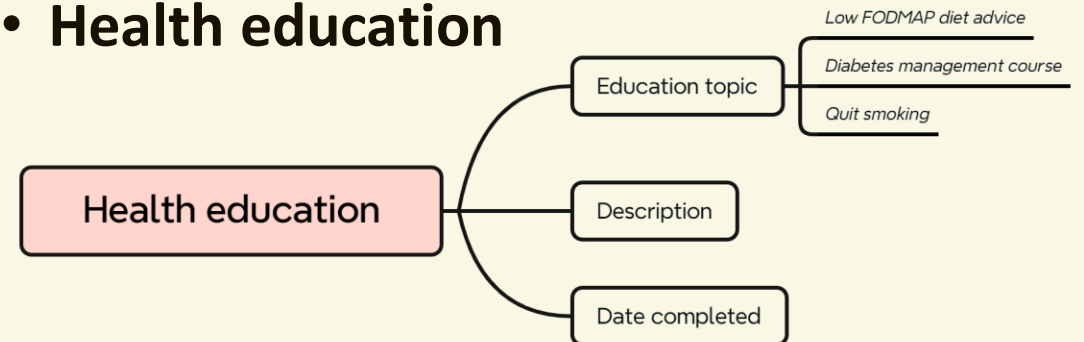
Pattern - <XYZ concept>

- **Intervention name/type**
- **Description** – narrative description about the concept
- **Date**



Proposed concepts

- **Health education**

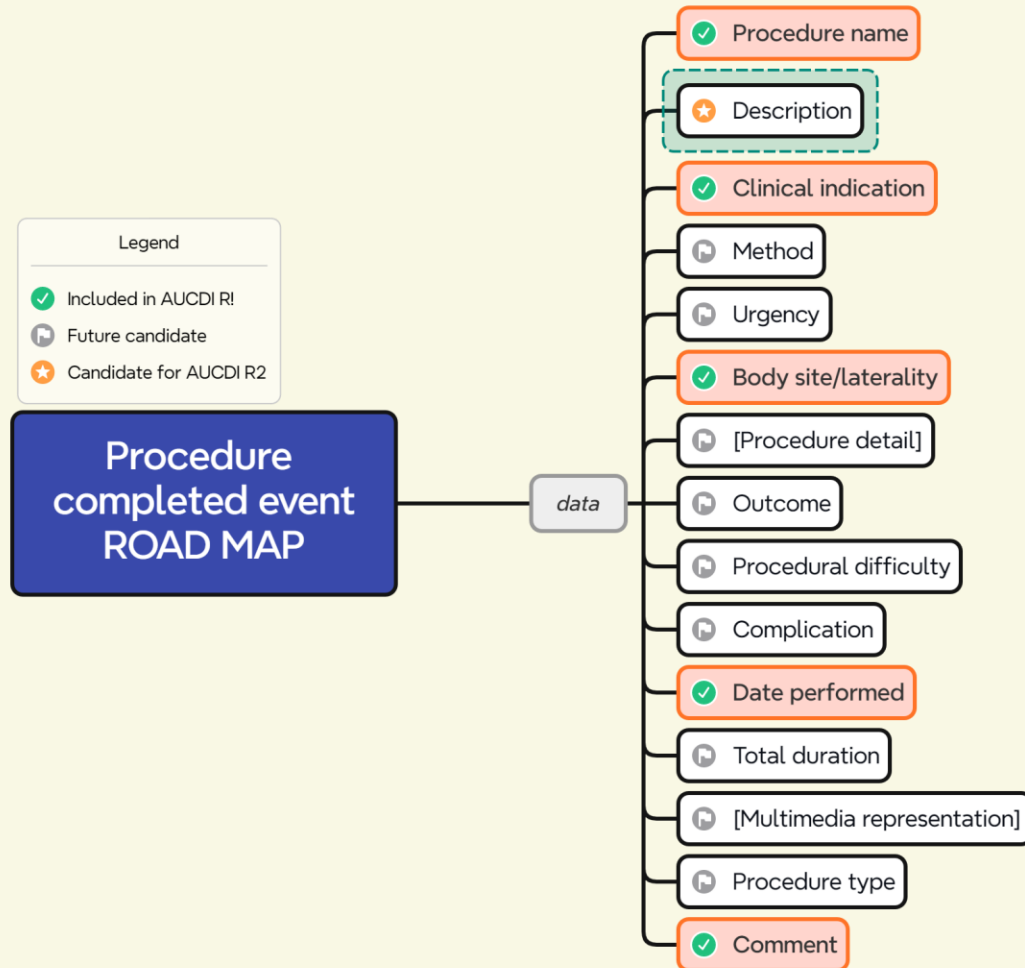


- **Provision of medical equipment**
- **Psychosocial therapy**
- **Physical assistance**

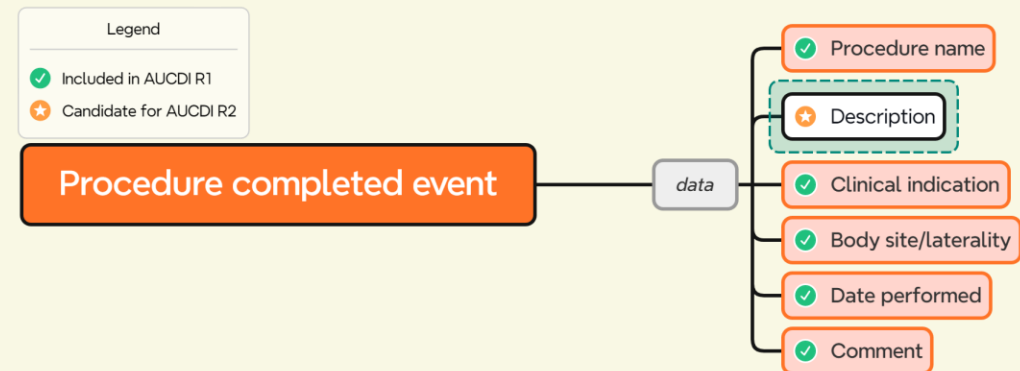
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Intervention: 'Procedure Completed' revisited



Description: Narrative description about the procedure



Intervention: 'Procedure Completed' revisited

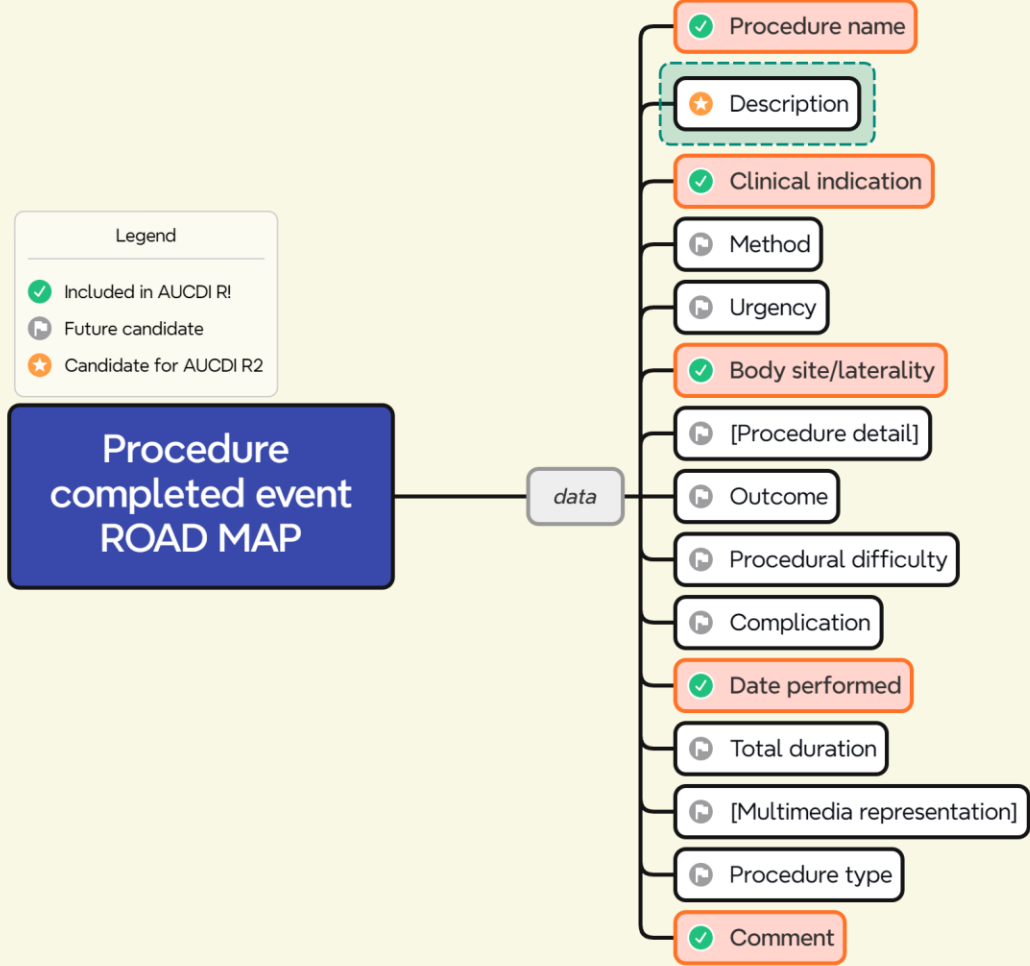
AUCDI R1 scope:

- Taking a blood sample
- Repair of a laceration or suture removal
- Intubation
- Skin prick test
- Insertion of an intravenous cannula or a urinary catheter
- Proctoscopy, endoscopy or laparoscopy
- Biopsy of a skin lesion
- Manual manipulation of a fracture or dislocation
- External version of a foetus
- Electrical cardioversion or
- Coronary artery bypass graft operation.

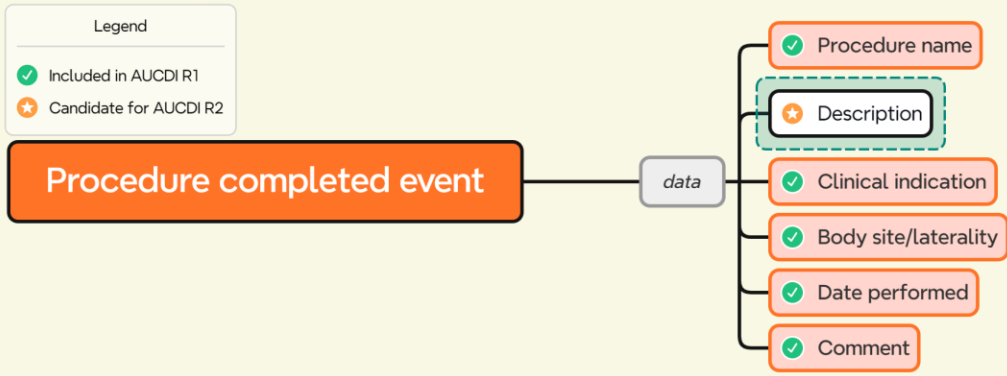
AUCDI R2 example enhancements:

- Lymphoedema massage
- Postural drainage
- Wound dressing
- Debridement of foot ulcer
- Mobilisation of thoracic spine
- Therapeutic hip adductor stretching
- Tracheostomy suction
- Replacement of drainage bag

Enhanced 'Procedure Completed' proposal



Description: Narrative description about the procedure



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Follow-up

Definitions – initial proposal

Follow-up

The ~~process of approach~~ to delivering ongoing, intentional care by a healthcare provider, beyond the ~~initial appointment or intervention~~ initial encounter or intervention.

Follow-up is typically used to track progress, manage ongoing treatment, and assess the outcomes of previous interventions. This process commonly involves scheduling one or more follow-up activities at intervals recommended by the healthcare provider, each tailored to the condition and specific needs of the individual.

For example: a single six-week post-surgery check-up to assess healing and recovery; 6 monthly liver function tests after commencing a hepatotoxic medication; regular 3 monthly visits with a podiatrist to manage long-term foot care; phone call from clinic nurse to check pain levels post procedure; or a palliative care nurse making twice-daily home visits until the end of an individual's life.

Recall

A clinician-initiated action to ~~proactively~~ address an emerging health concern, in an ~~known~~ individual.

A recall is typically associated with the detection of a potential health need or risk since the last appointment or contact, and the recall ~~advice~~ notification is sent or given to the individual with the intent they receive the necessary follow-up care to effectively and safely manage or monitor their health.

For example: if an abnormality is found in test results, the individual may be recalled for additional testing or treatment.

Reminder

~~A clinical notification sent to an individual regarding their scheduled, routine, and preventive health and care activities~~
An administrative prompt issued to an individual, carer or healthcare provider to facilitate the timely completion of specific health-related tasks.

A reminder is typically a ~~an automated or~~ system-generated message, such as email, ~~letter~~ or text, that proactively helps individuals, carers, and families stay up-to-date with regular preventive health activities and appointments.

For example: reminding the individual about routine vaccinations; or regular cancer screenings that are due or scheduled.

Definitions - proposal

Follow-up

- The approach to delivering ongoing, intentional care by a healthcare provider, beyond the initial encounter or intervention.

Recall

- A clinician-initiated action to address an emerging health concern, in an individual.

Reminder

- An administrative prompt issued to an individual, carer or healthcare provider to facilitate the timely completion of specific health-related tasks.

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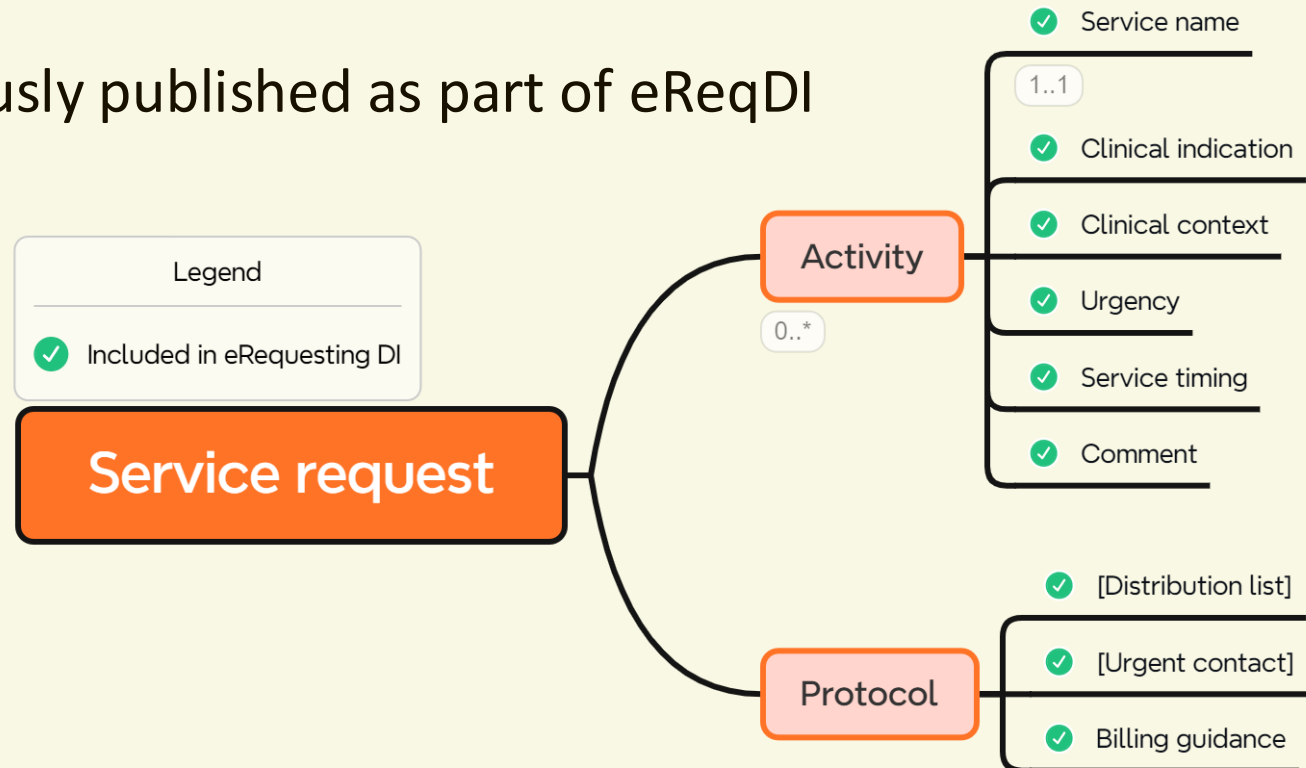
Modelling Follow-up

1. Follow-up

- Service request – previously published as part of eReqDI

2. Recall - TBD

3. Reminder - TBD



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Social Determinants of Health (SDOH)



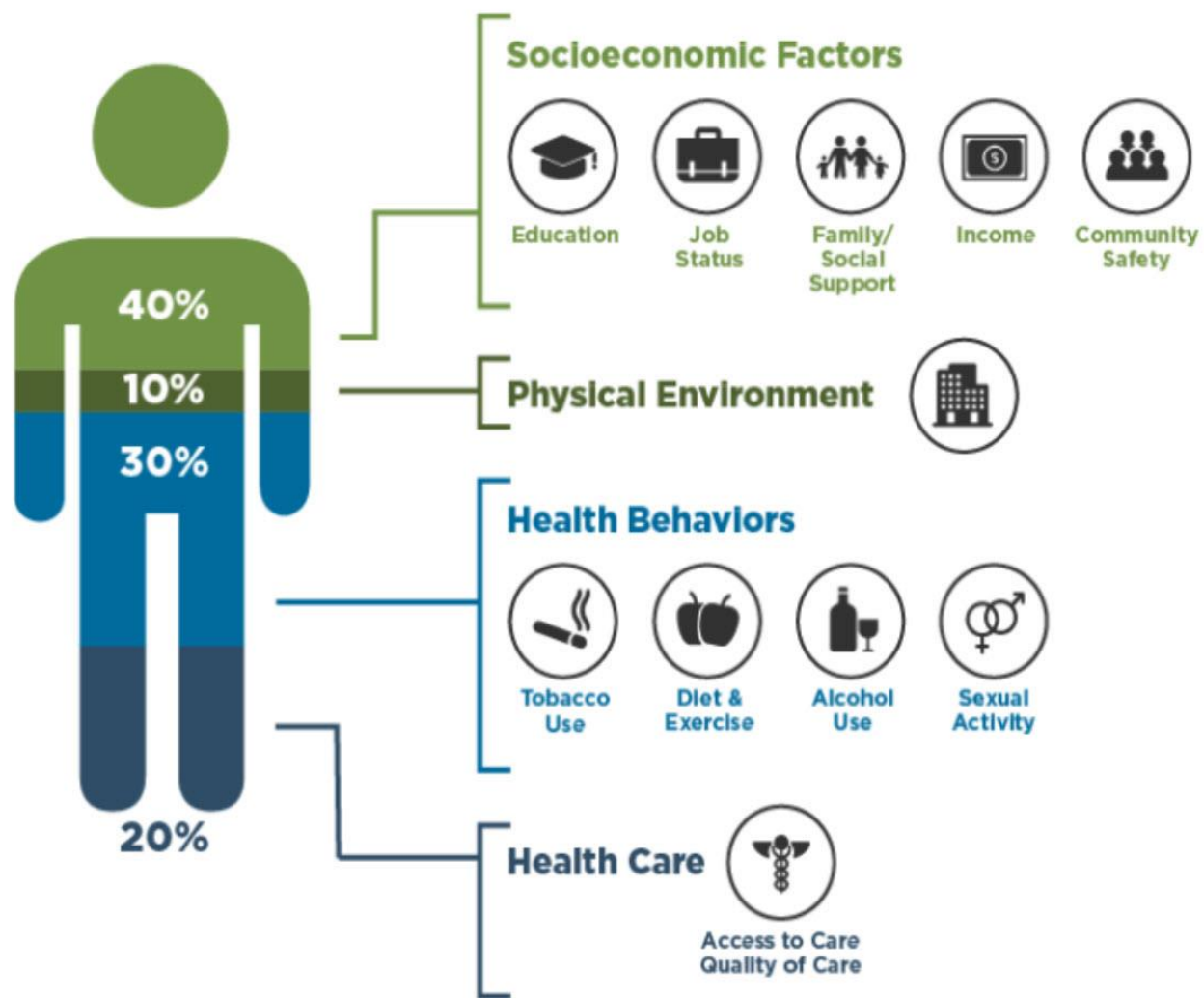
Definition?

WHO

- “The social determinants of health are **the conditions in which people are born, grow, live, work and age.**
- These circumstances are shaped by the **distribution of money, power and resources** at global, national and local levels.
- The **social determinants of health are mostly responsible for health inequities** - the unfair and avoidable differences in health status seen within and between countries.”

https://www.who.int/social_determinants/en/

What Goes Into Your Health?

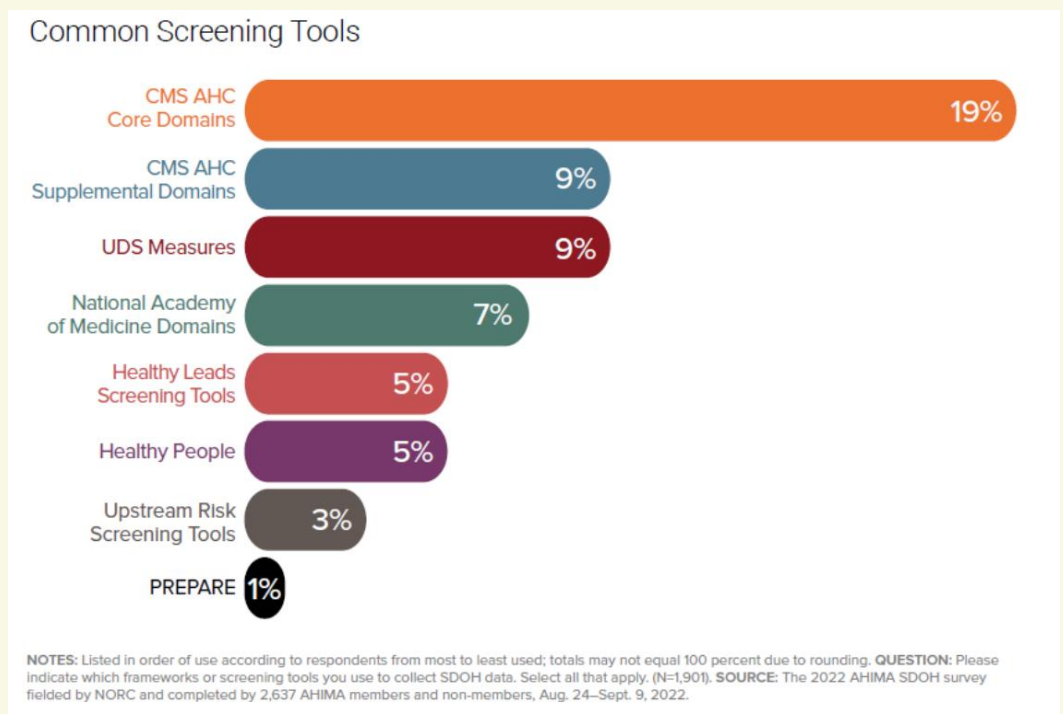




AHIMA: Social Determinants of Health Data:

Survey Results on the Collection, Integration, and Use (Feb, 2023)

- Lack of standardization and integration of the data into an individual's medical record
- No consensus on which key SDOH domains need to be collected
- No consensus on which screening tools to be used





Social Determinants of Health

Proposal:

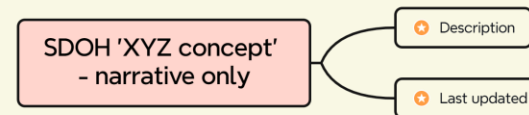
“Summary” data groups, one per clinical concept:

- Intended to provide an overview of a single clinical concept
- Recorded once in the health record and updated as a new version over time.

For these concepts, use 2 patterns as required as a first step in modelling SDOH data.

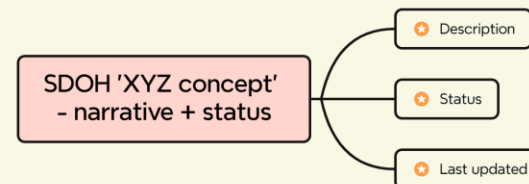
Pattern 1

- <XYZ concept>
 - **Description** - narrative
 - **Last updated**



Pattern 2

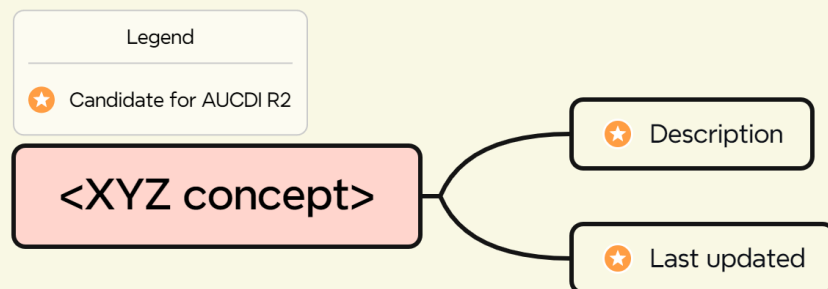
- <XYZ concept>
 - **Description** - narrative
 - **Status**
 - **Last updated**



R2 SDOH/health behaviour proposal – core

Pattern 1

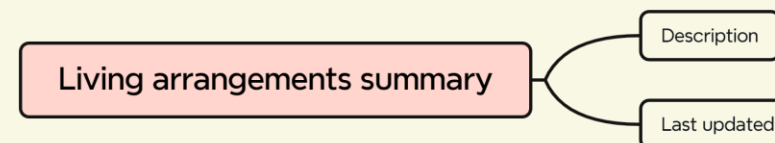
- **<XYZ concept>**
 - **Description** – narrative description about the concept of the summary
 - **Last updated**



Proposed concepts:

- **Living arrangements summary**

- Potential future detail:
 - Support at home; Living alone or with others



- **Occupation summary**

- Potential future detail:
 - Working/Retired/Studying; Employed/unemployed
 - Occupation record, including position, employer details for medical certificates, exposure risk

- **Sexual health summary**

- **Physical activity summary**

- **Gambling summary**

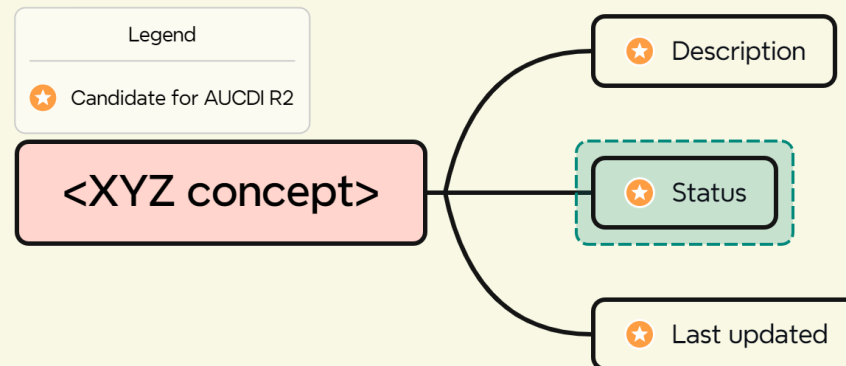
- **Education summary**

- Potential future detail:
 - Highest level of schooling achieved

R2 SDOH proposal – core + status extension

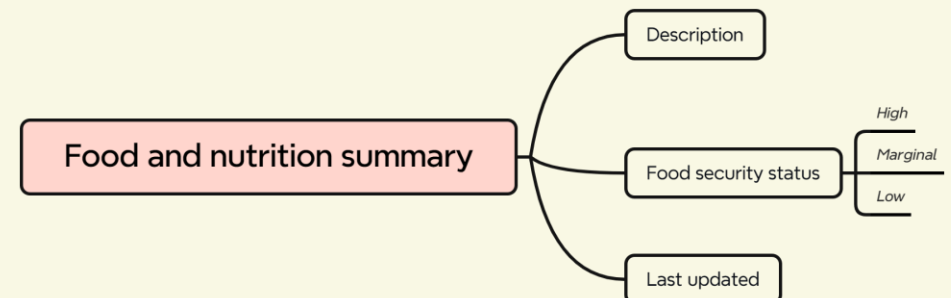
Pattern 2

- **<XYZ concept>**
 - **Description** – narrative description about the concept of the summary
 - **Status**
 - **Last updated**



Proposed concepts

- **Food and nutrition summary**
 - Status – 'Food security'
 - "High/Marginal/Low" – ?traffic light UI



- **Housing summary**
 - Status – 'Housing security'
- **Financial summary**
 - Status – 'Financial security'
- **Personal safety summary**
 - Scope – screening for domestic violence etc
 - Status – 'Personal safety'

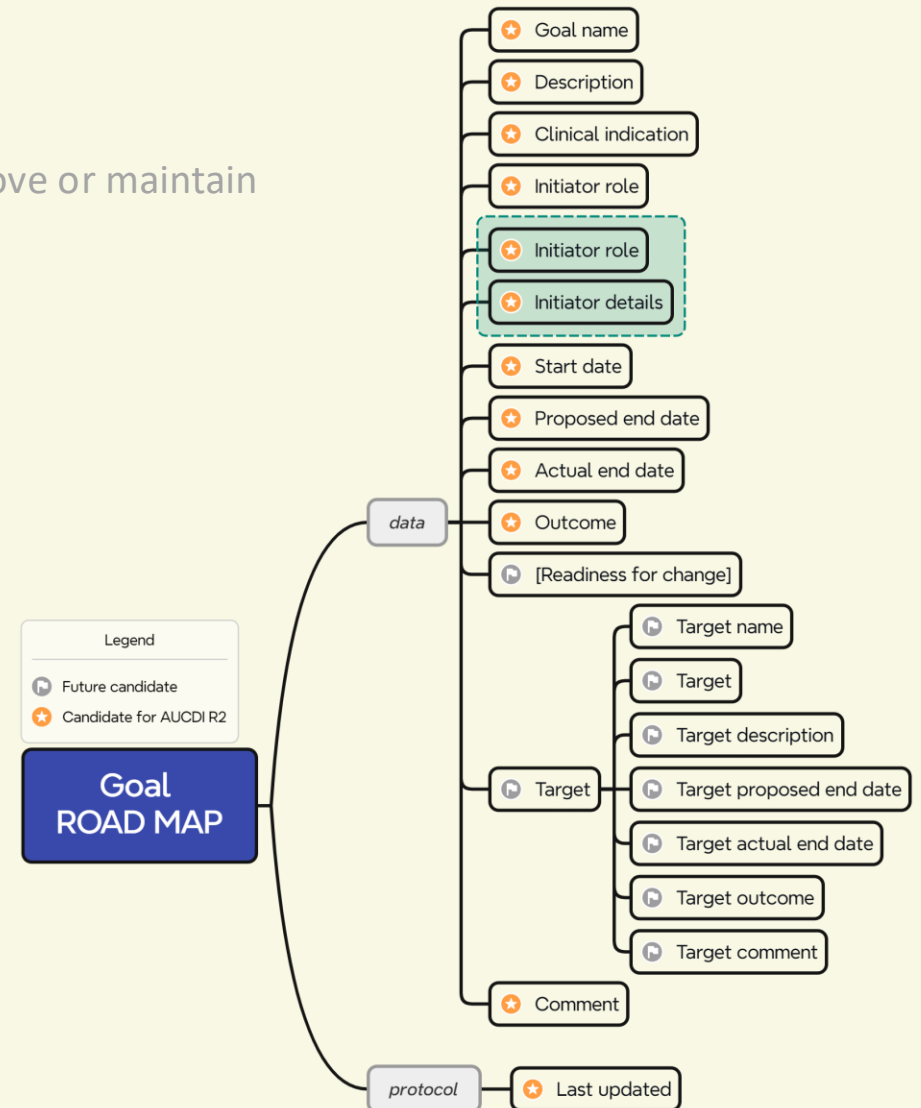
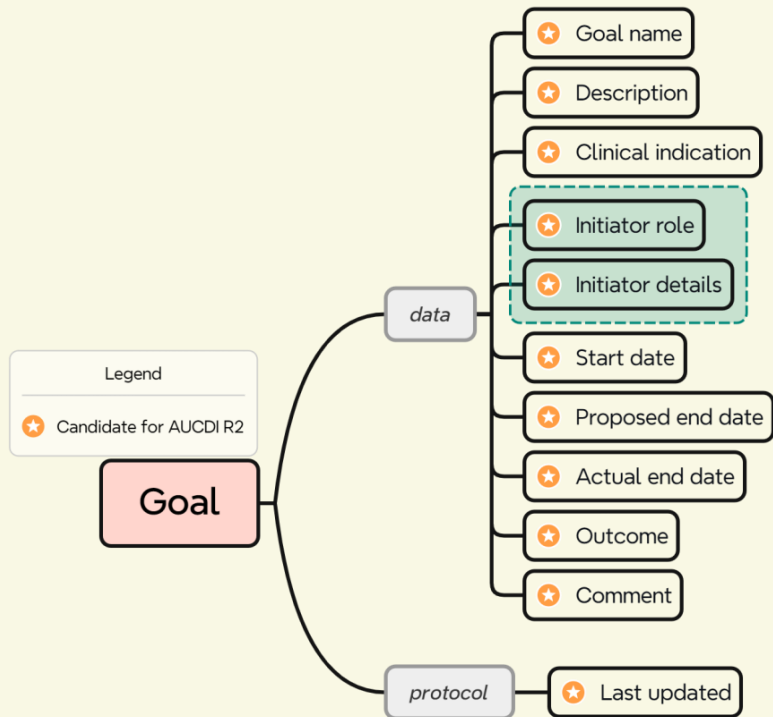
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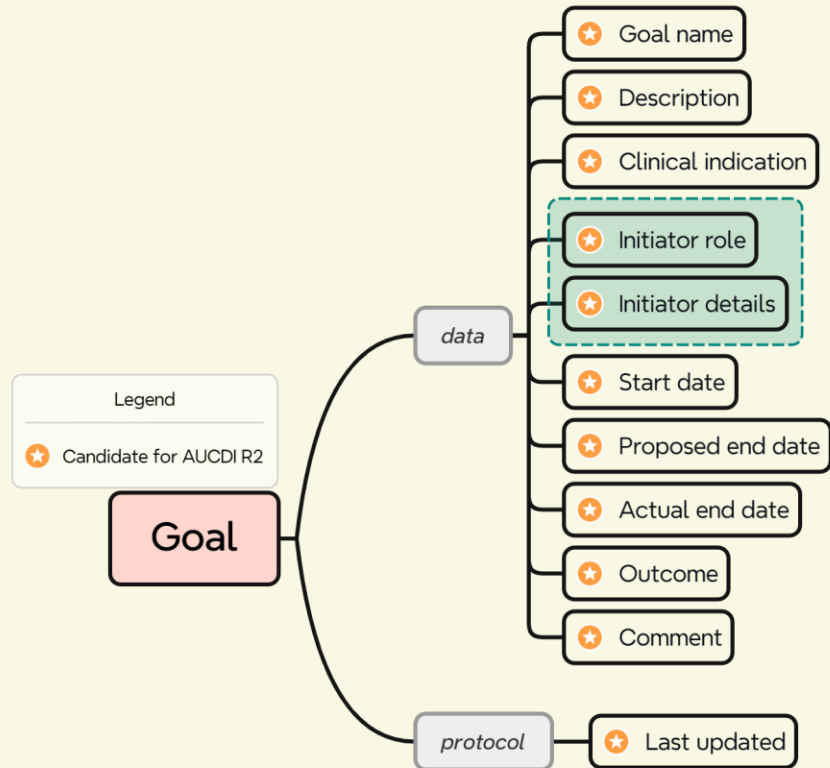
Goal - revisit

Goal (revisited)

- **Concept description** - A specific future objective intended to improve or maintain an individual's physical, mental, emotional or social well-being.
- Can be initiated by a clinician or the individual



Goal (revisited)



- **Goal name**
 - **Description:** The name or focus of the well-being objective.
 - *For example: reduced blood pressure; achieved weight loss; or diabetes control.*
- **Goal description**
 - **Description:** A narrative description of the goal, including target/s to be achieved if relevant.
- **Clinical indication**
 - **Description:** The health issue, symptom, sign, problem or diagnosis intended to be impacted by achieving the goal.
- **Initiator role**
 - **Description:** The role of the person or entity that proposed the goal.
 - *For example: the individual, a healthcare provider, or a care team.*
- **Initiator details**
 - **Description:** Identification of the person or entity who proposed the goal, if necessary.
- **Start date**
 - **Description:** The date when the activities designed to achieve the goal were initiated.
- **Proposed end date**
 - **Description:** The desired or proposed date for achieving the goal.
- **Actual end date**
 - **Description:** The actual date when the goal was achieved or abandoned.
- **Outcome**
 - **Description:** Single word, phrase or brief description which represents the outcome achieved.
 - *Coding with a terminology is preferred, where possible.*
 - *For example: target weight achieved; poor diabetes control; or successful completion.*
- **Comment**
 - **Description:** Additional narrative about the goal, not captured in other fields.
- **Last updated**
 - **Description:** The date when this 'Goal' data group was last updated.

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AU Patient Summary FHIR update



Upcoming items

- AUCDI Release 2 Patient Summary Update on AUCDI R2 Patient Summary – 31 Jan 2025
 - Request for feedback – Sparked website
- Next face to face CDG in Adelaide – 19 February 2025
 - Please get your tickets asap
 - Chronic Condition Management
 - Reason for encounter/Encounter summary
- Next part of AUCDI Release 2 (Chronic Condition Management) out for review in March



Thank you!!