# Collecting Once and Using Many Times

## Linking Clinical Information to 'Everything' with interRAI Systems

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in for Professor Len Gray)

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# Case studies

- Mr A. lives in a RACH – GP and RACH records don't match

- Mrs B. transferred from a RACH to hospital – incomplete information about cognitive and functional status

- Mr C. admitted to RACH from home care – limited information available about previous status

# A Single Source of Truth for Clinical Data

- Clinical data should be concise, accurate, and collected once

- Should serve multiple care and administrative functions

- Widely accepted in theory—but not in practice

# Fragmentation in Aged Care

- Use of varied risk screeners, scales, and bespoke data items

- Software systems vary by vendor and facility

- Some facilities still rely on paper-based assessments

- Provider data not aligned with reporting requirements or Departmental data

# Why the Current System Fails

- Lack of a common clinical language
- Staff retraining required across facilities
- Care planning automation is costly and complex
- Vendors avoid investing in decision support tools
- Poor interoperability with external systems
- Quality indicator reporting not automated

# A Standardised Solution

- Robust clinical observations + algorithms
- Supports risk and diagnostic screeners
- Prompts care planning and outcome tracking
- Enables quality indicators and casemix analysis

The **interRAI Suite** of **Assessment Systems**

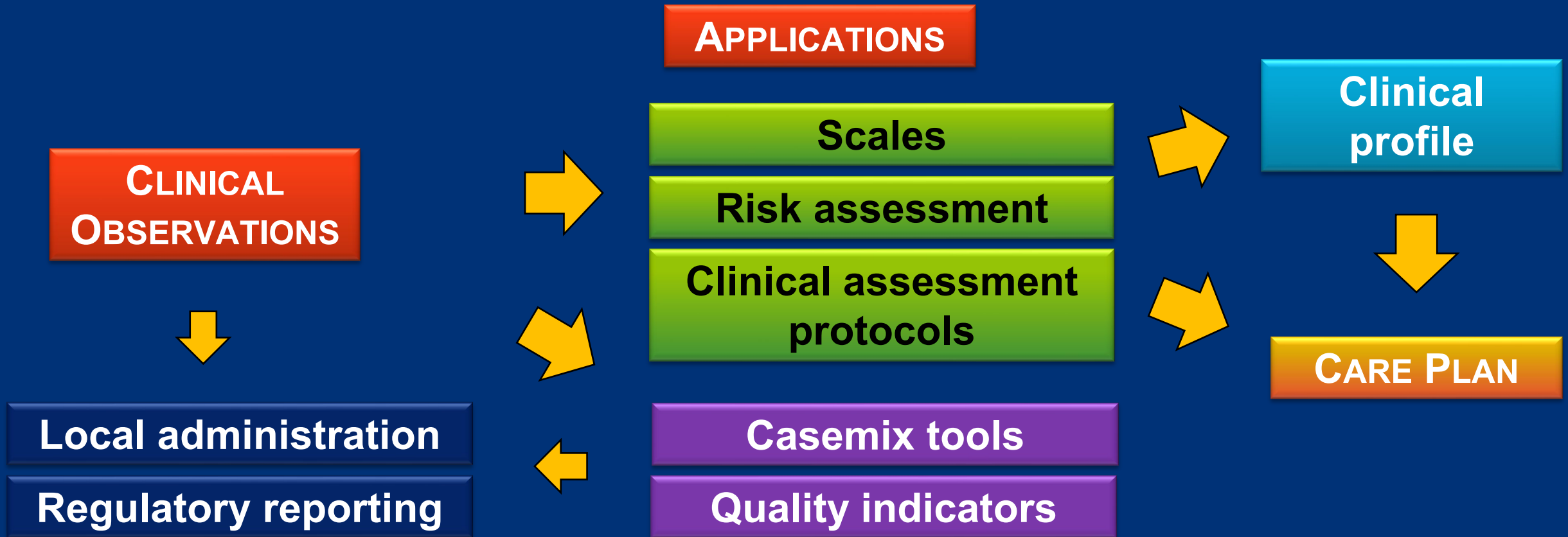interRAI Australia                    www.interrai.org

# About interRAI

- Not-for-Profit, Globally Licensed enterprise
- Developed by a research collaborative
- Licensed to governments, vendors & providers
- Focused on improving care through data

# Core systems for Aged Care

## interRAI Home Care

Cognition
Communication & Vision
Mood & Behaviour
Psychosocial well-being
Functional status
Continence
Diseases & health conditions
Oral & nutritional status
Skin condition
Medications
Treatments & procedures
Social supports
Environment

**Shared domains (>80%)**
**Shared observations (>70%)**
**Shared outcome scales**

## interRAI Long Term Care Facility

Cognition
Communication & Vision
Mood & Behaviour
Psychosocial well-being
Activities & interests
Functional status
Continence
Diseases & health conditions
Oral & nutritional status
Skin condition
Medications
Treatments & procedures
Responsibility & directives
Discharge potential

# Proven Impact in Other Jurisdictions

- Mandated use in many nations
- **Independent evaluations: "Best of breed" systems**
- Demonstrated improvements in care and data utility

Centre for Health Services Research
29 September 2023

THE UNIVERSITY OF QUEENSLAND
AUSTRALIA
CREATE CHANGE

Report: A survey and evaluation of comprehensive geriatric assessment systems for residential and community aged care

Ronald Dendere, PhD
Murray Hargrave, PhD
Michelle Lang
Susan Ben Dekhil

# Data for Care in Australia's Aged Care

**ENQUIRY**

interRAI **Checkup** Self Report version

**ELIGIBILITY**

interRAI **Home Care**

**CARE DELIVERY**

interRAI **Home Care**

interRAI **Long Term Care Facility**

# Data for System Administration

**Eligibility**

interRAI Home Care

**Program allocation**

**Payment**

interRAI Long Term Care Facility

**Quality indicator calculation**
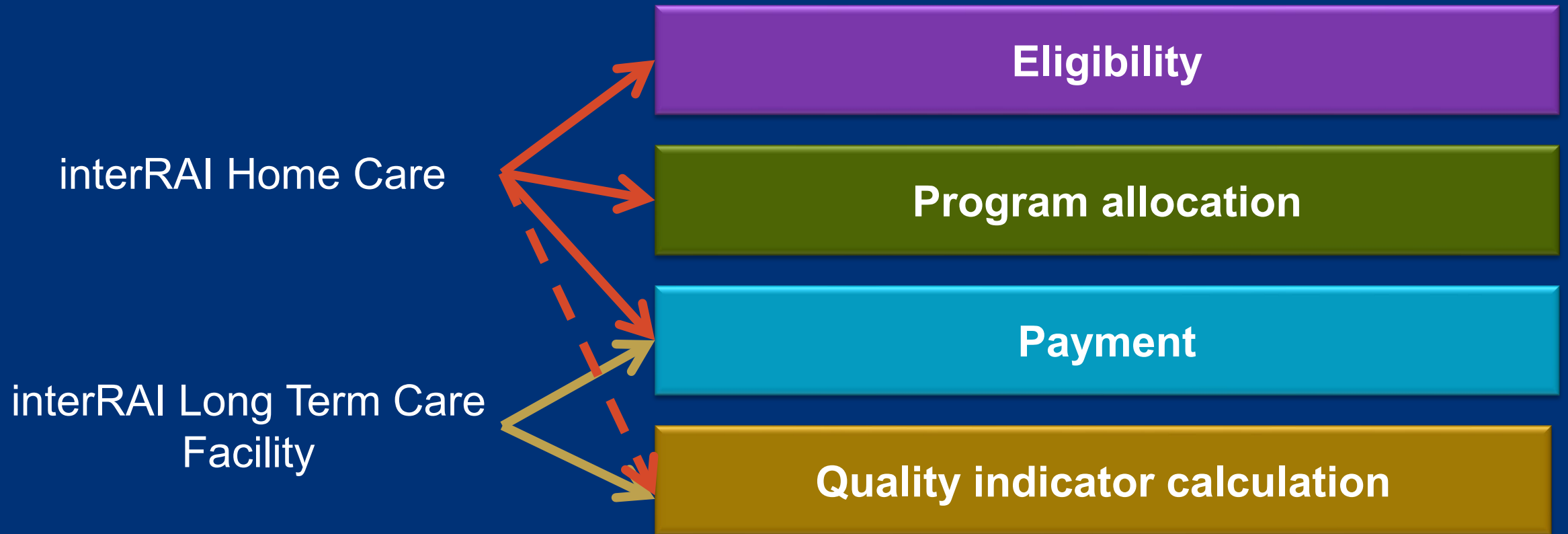
# interRAI LTCF: Assessment workflow

| Day 1 | Day 7 | Month 4 | Month 7 |
|---|---|---|---|
| Provisional assessment | Baseline assessment | Assessment review | Assessment review |
| ↓ | ↓ | ↓ | ↓ |
| Interim care plan | Baseline care plan | Care plan review | Care plan review |
| | ↓ | ↓ | ↓ |
| | QI calculation & MDS reporting | QI calculation & MDS reporting | QI calculation & MDS reporting |
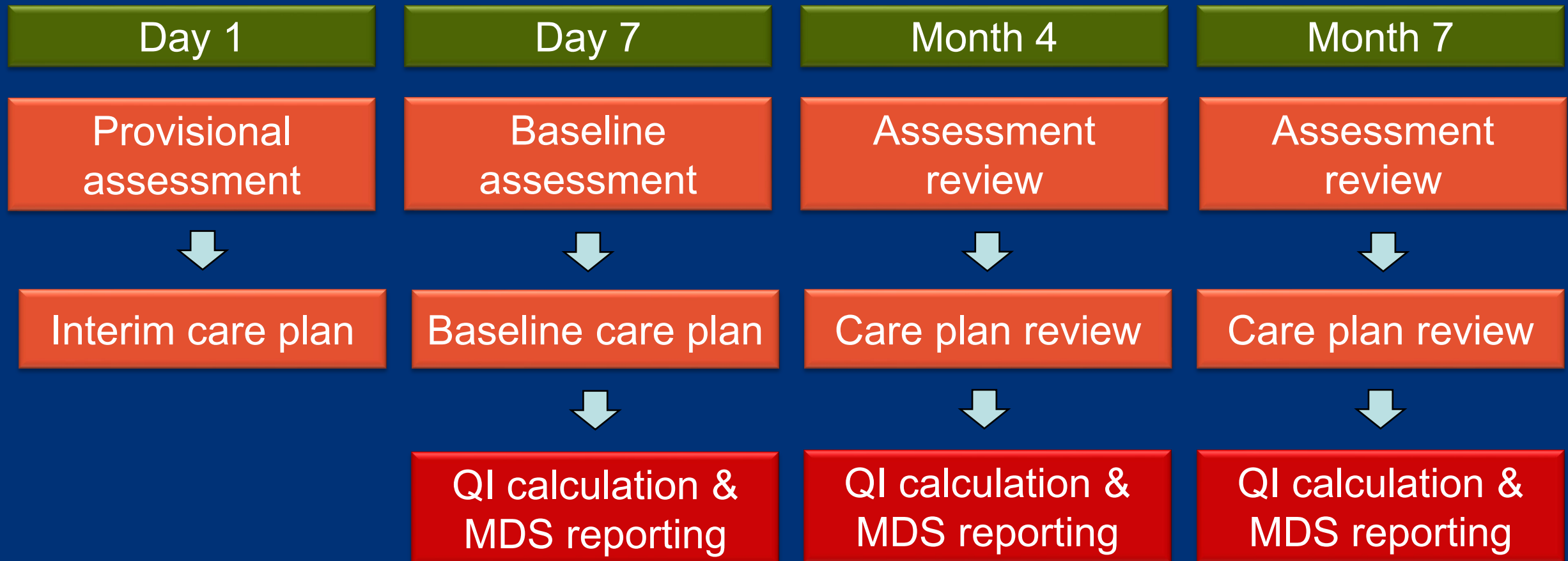
# Implementation challenges for Australia

- Software availability
  - **Vendors are available**
  - **SMART on FHIR solutions**
- Calculation of NQIP QIs
  - **Most QIs can be calculated from interRAI LTCF**
- Compatibility with IAT
  - **interRAI HC is a more compact alternative**

- Casemix
  - **AN-ACC classes can be calculated from the interRAI LTCF**
- Change burden
  - **Progressive implementation**
  - **Reduced data demand**
  - **Industry wide training**
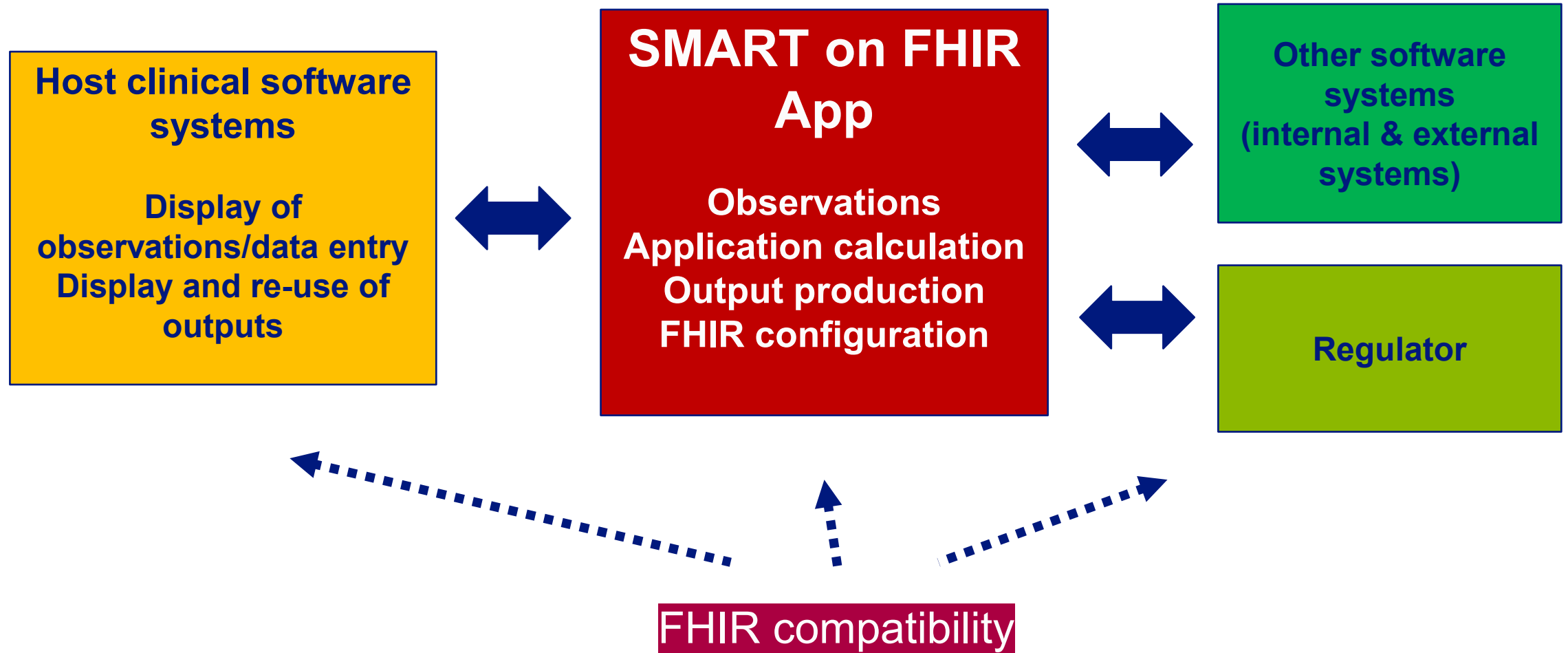
# Solving Australia's Problems with interRAI

- Standardisation of assessment across facilities
- Easier staff mobility and training
- Better integration with health systems
- Reliable quality reporting and benchmarking
- Regulatory reporting integrated into day to day care
- Alignment with international standards

# Further information

- www.interrai.org (International)

- www.interrai-au.org (Australia)


- kinnexus@dhcrc.com (Kinnexus – a Digital Health Cooperative Research Centre)