eCare Plans — Nurse Informaticist Role as an Advocate
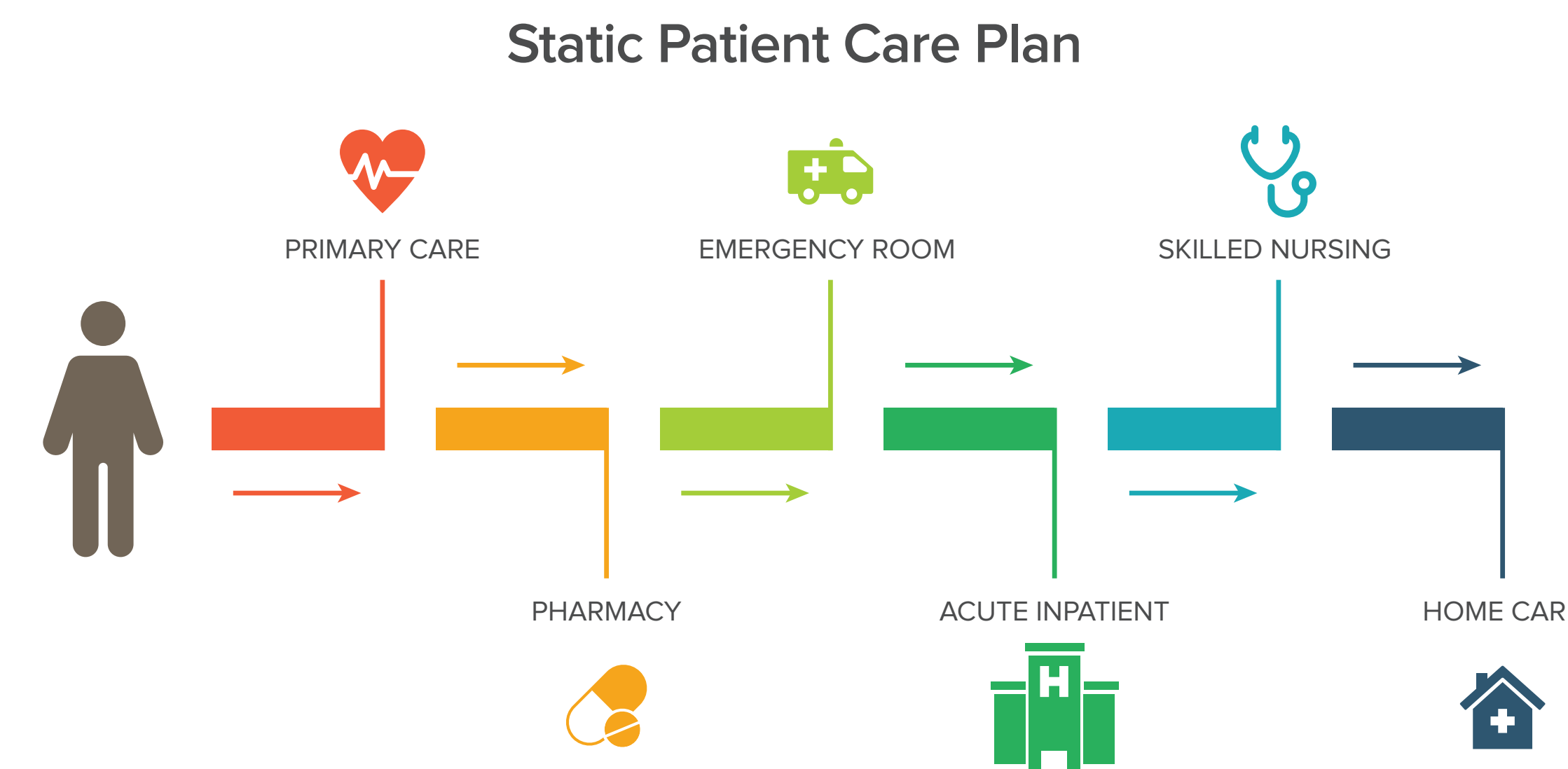
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Lantana
CONSULTING GROUP

CURRENT STATE

Static, Single Context:

The patient information represents the single point in time of a patient encounter. A static eCare Plan is not intended to represent a longitudinal eCare Plan. The static eCare Plan can be shared with other clinicians and care teams.

Static Patient Care Plan

PRIMARY CARE   EMERGENCY ROOM   SKILLED NURSING

PHARMACY   ACUTE INPATIENT   HOME CARE
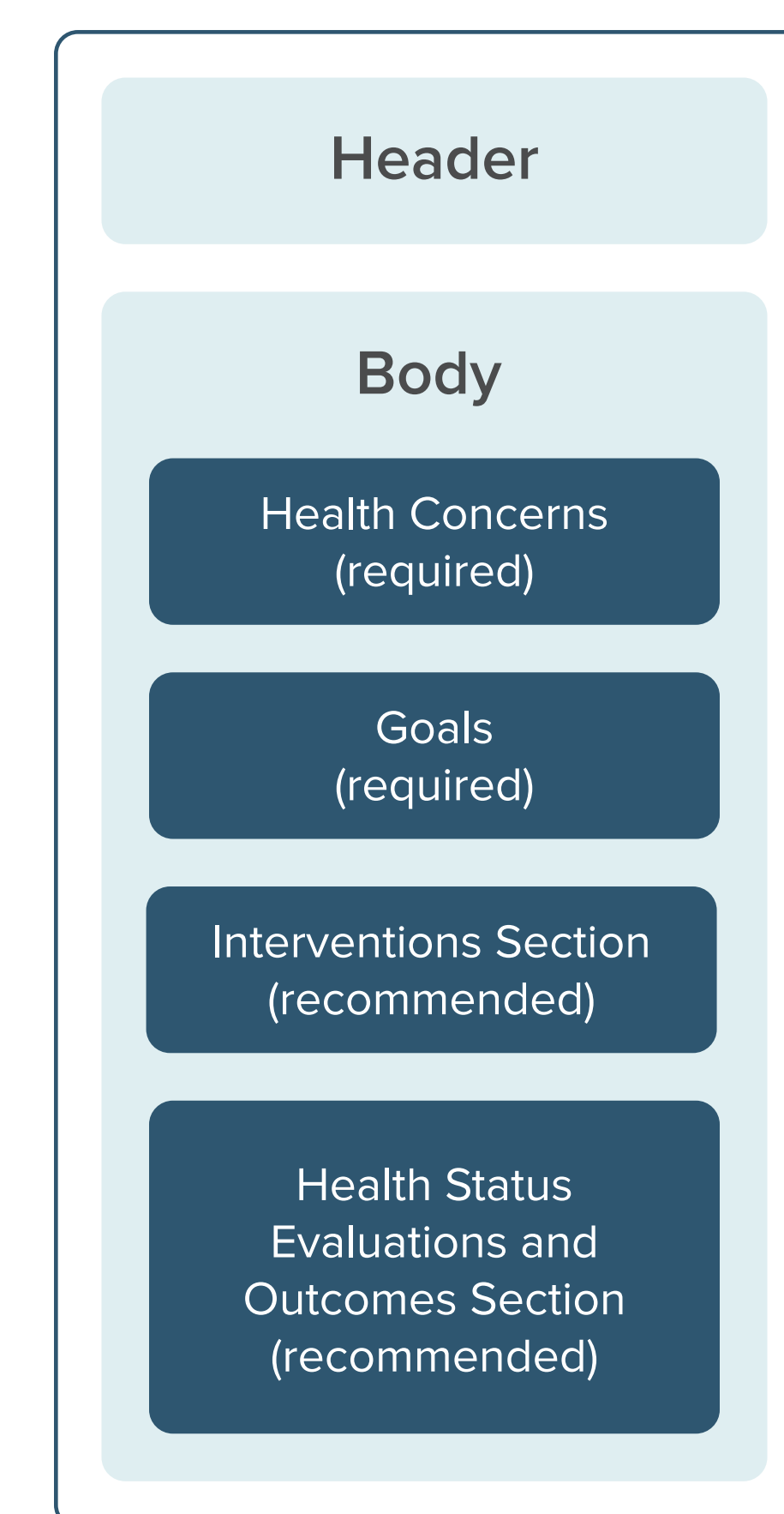
eCare Plan Structure

An eCare Plan Document includes two main parts: a header and body. The header contains patient demographic and service details (e.g., organization name, clinicians). Within the body, the document contains four sections: health concerns, goals, interventions and health status evaluations and outcomes section.

Health Concerns Section: This section contains information that may require attention, intervention, or management. It covers any concern or related matter of interest to the patient, family, or healthcare provider. Health concerns may come from a variety of sources within an EHR, such as the Problem List, Family History, and Social History.
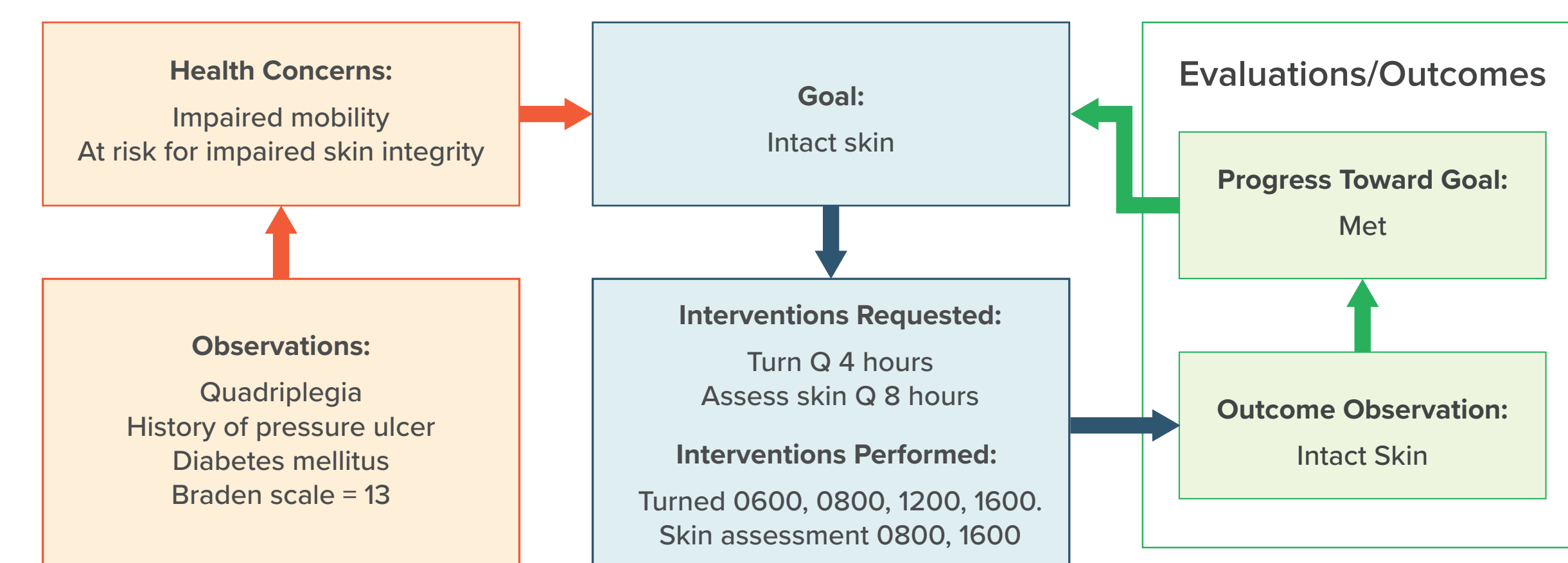
Goals Section: This section contains an individual goals. A goal is a desired outcome or condition in the process of patient care (e.g., alleviation of health concerns, desired/intended positive outcomes from interventions, longevity, function, symptom management, or comfort).

Interventions Section: This Section contain an individual interventions. Interventions are actions that maximize the prospects of achieving the goals of care. Interventions are planned, ordered, or historical. Interventions include ongoing actions (e.g., monitoring of chronic medications, routine lab orders). This section may also include details on medication instructions, care instructions, and communication information for facility transfers.

Health Status Evaluations and Outcomes Section: This section allows the clinician to document their observations on patient outcomes and progress or achievement of outlined goals as a result of the recommended interventions.

Header

Body

Health Concerns (required)

Goals (required)

Interventions Section (recommended)

Health Status Evaluations and Outcomes Section (recommended)

Example of eCare Plan Section Relationship

Health Concerns:
Impaired mobility
At risk for impaired skin integrity

Observations:
Quadriplegia
History of pressure ulcer
Diabetes mellitus
Braden scale = 13

Goal:
Intact skin

Interventions Requested:
Turn Q 4 hours
Assess skin Q 8 hours
Interventions Performed:
Turned 0600, 0800, 1200, 1600.
Skin assessment 0800, 1600

Evaluations/Outcomes

Progress Toward Goal:
Met

Outcome Observation:
Intact Skin

Benefits of eCare Plans

- Timeliness
- Ease of Sharing
- Promotion of patient care coordination
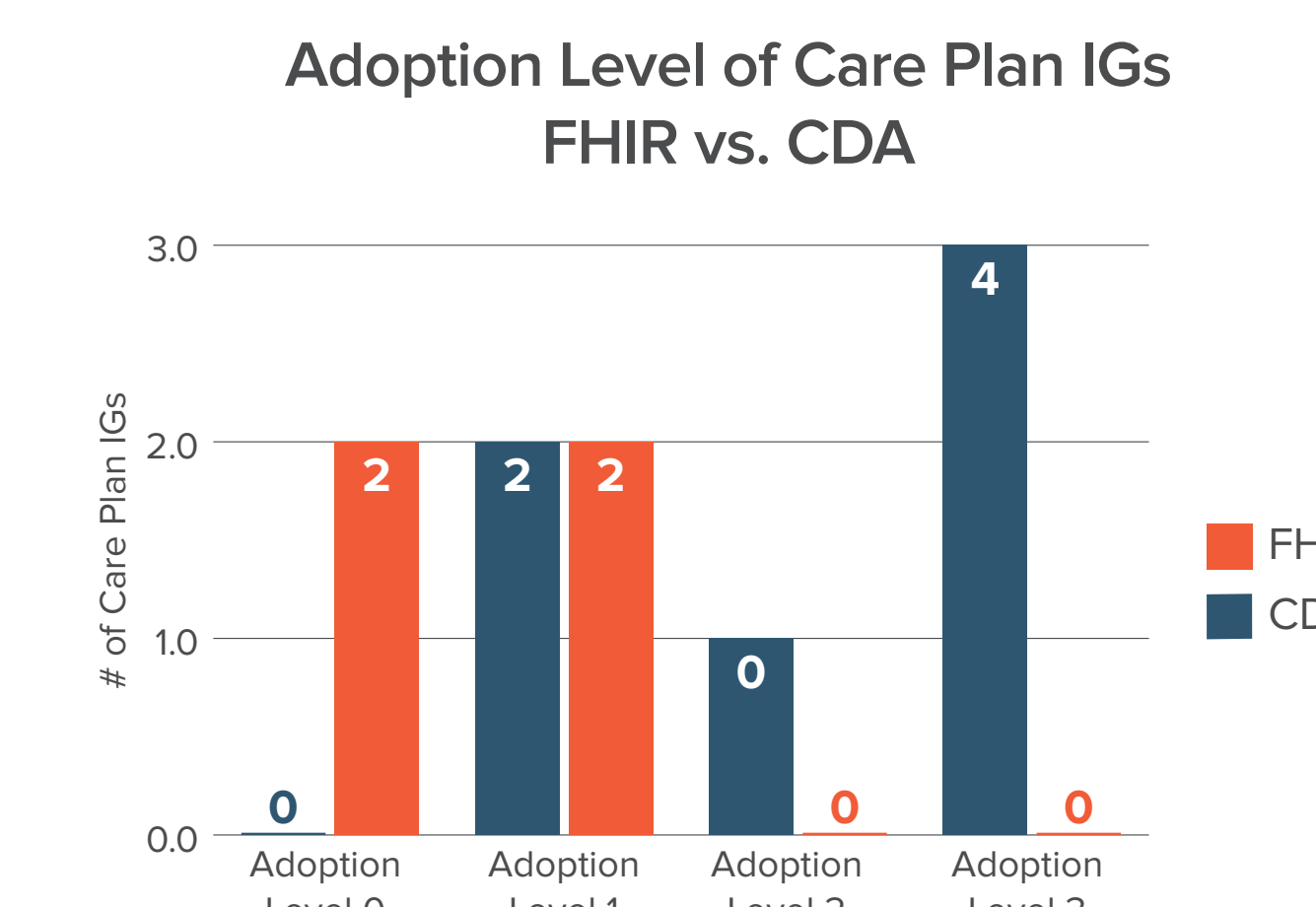- Improvement in quality of patient care

ADOPTION

Lantana Consulting Group was awarded a High Impact Pilot (HIP) grant to develop standard eCare Plans for pharmacists to deploy across the Community Pharmacy Enhanced Services Network (CSPEN), a project of Community Care of North Carolina (CCNC). The pilot resulted in the development of two HL7 standard exchange formats for vendor implementation:

- CDA
- FHIR

Standards Adoption

The Office of the National Coordinator for Health Information Technology's Interoperability Standards Advisory (ISA) contains guidance to stakeholders and vendors regarding standards available for interoperability. The Care Plan section in the ISA contains information about the adoption of eCare Plan implementation guides (IGs) for either FHIR or CDA.

Adoption Level of Care Plan IGs FHIR vs. CDA

Industry Adoption

At least 16 vendors have adopted one or more of the electronic Care Plans. These vendors represent pharmacy management systems either embedded or integrated into a clinical document system or a clinical document system itself.

Pharmacist eCare Plan Functionality Active in the Marketplace

12 Technology Companies with eCare Plan Active in the Marketplace

BestRx   DocsInk   FDS
Liberty   assurecare   Pharmstha   QS/1
MICRO Merchant Systems   DATASCAN
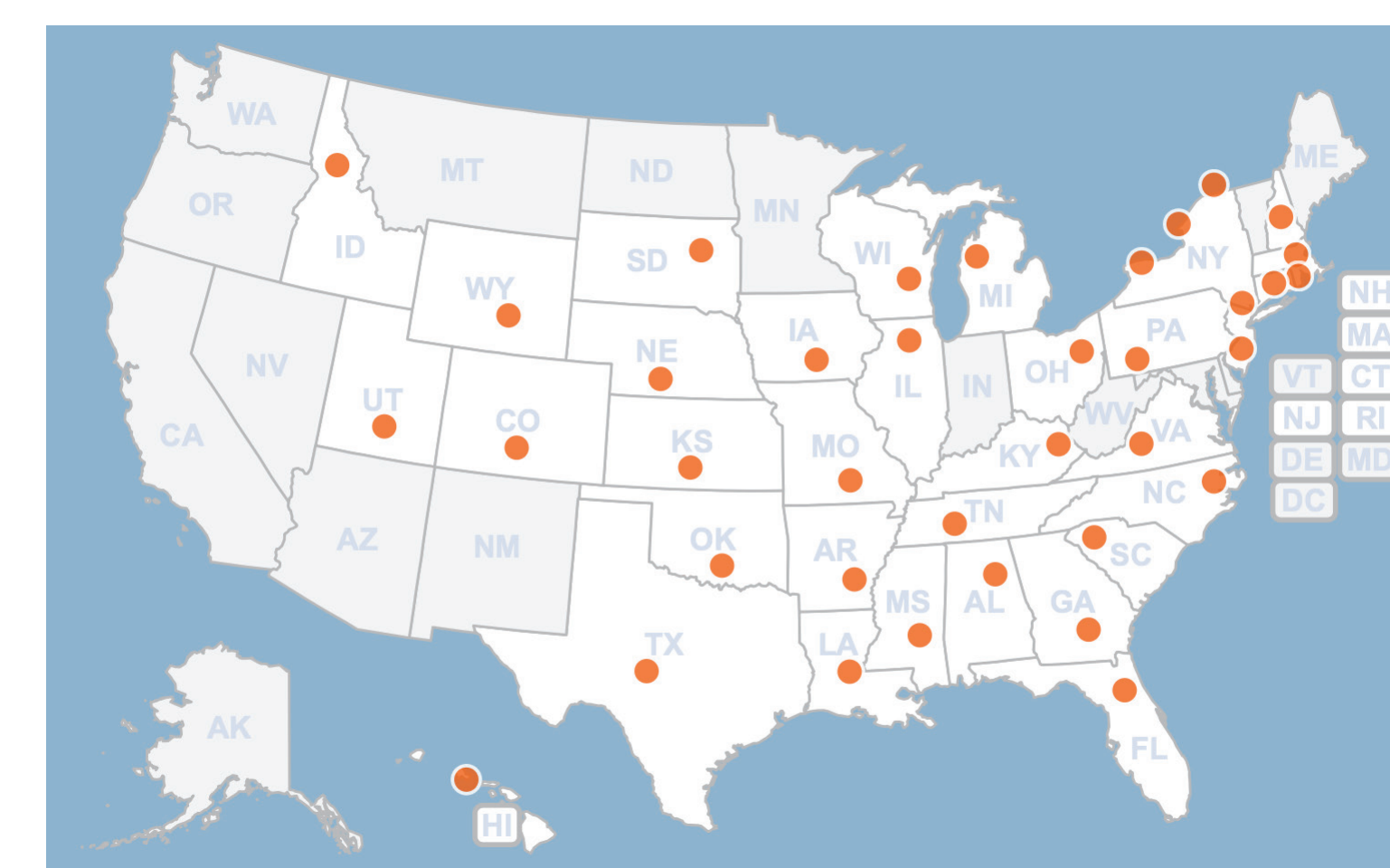PioneerRx   PrescribeWellness   STRAND

4 Technology Companies with eCare Plan Active in the Marketplace via Integration

Amplicare   ComputerRx   McKESSON   FSED

Technology Companies Building eCare Plan Functionality:
Azovz, Cost Effective Computers, Digital Business Solutions, DocStation, Habitnu, Kloudscript, Mobile Mediclaim

Network of Community-Based Pharmacies

Location of members of the Community Pharmacy Enhanced Services Network (CPESN) pharmacies are shown below. These pharmacies support training for the use of the Pharmacist eCare Plan.

NURSE INFORMATICIST

How Nurse Informaticists Contribute to eCare Plan Development:

- Development of testing use cases/scenarios

- Provide experience around clinical workflow (e.g. bottlenecks, potential solutions)

- Takes information learned from patients and integrate to standards development

- Advise on how to optimize the eCare Plan based on the different forms of patient/family participation (e.g., actively involved in decision making, health literacy, empowering family, computer savvy)

- Collaboration with standards developers—share knowledge, skills, and information on impact and patient outcomes

- Participate or lead stakeholder workgroup call related to eCare Plan development

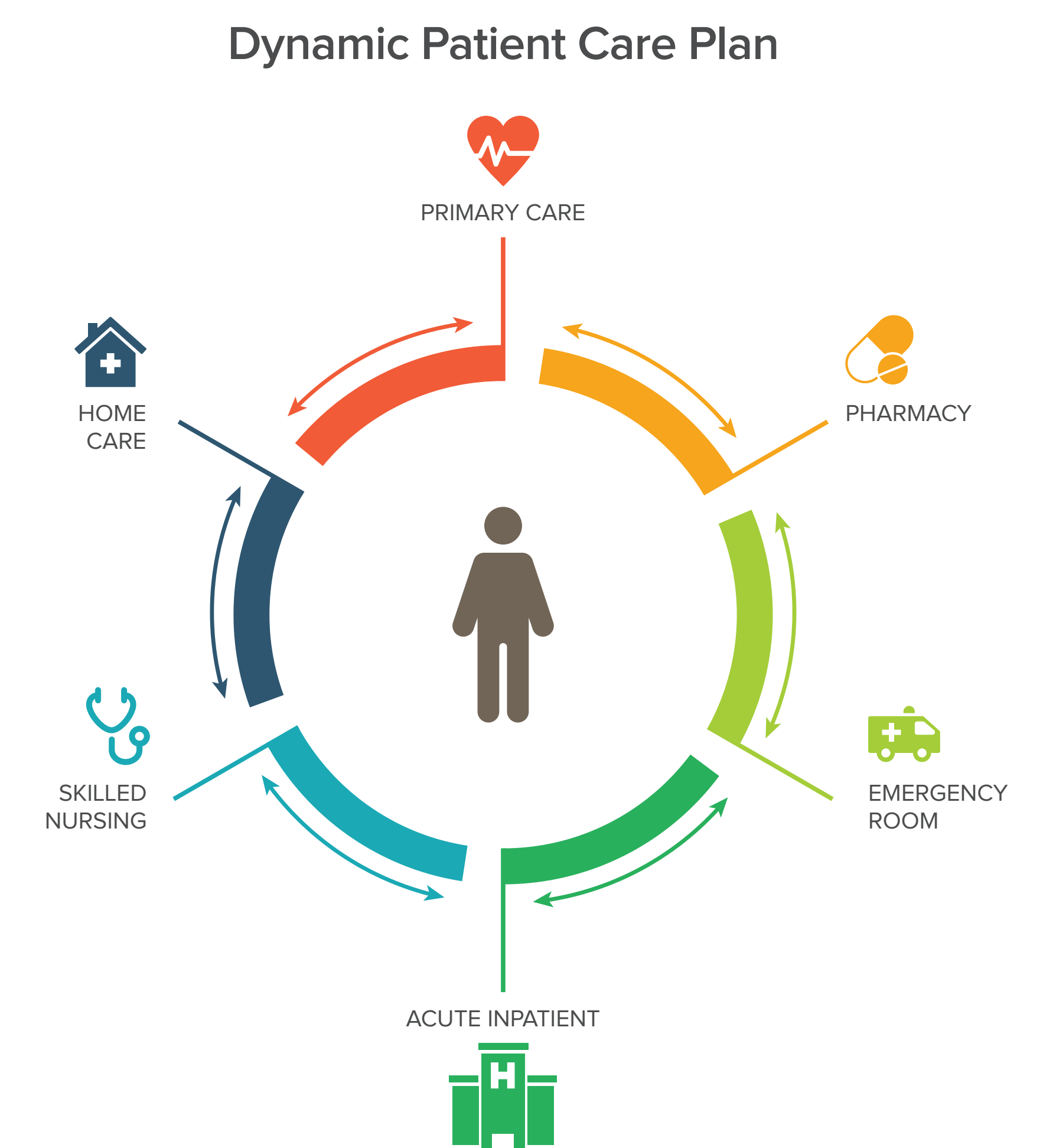- Provide education and training nursing care planning and process

FUTURE STATE

Dynamic, Multiple Contexts:

The care plan is dynamically updated as the patient interacts with different care clinicians. The dynamic eCare Plan meets the need for sharing care plan data with multiple clinicians (and payers). No assumption of a single care plan for an individual.

Dynamic care planning has highlighted the need to identify/define who governs/owns the data. These discussions are underway.

Dynamic Patient Care Plan

PRIMARY CARE

HOME CARE   PHARMACY

SKILLED NURSING   EMERGENCY ROOM

ACUTE INPATIENT

Next Steps

Nurse Informaticists are in the ideal position to advocate for the continued development and adoption of eCare Plans from the static to the dynamic state.

Current Adoption of Static vs Dynamic eCare Plans