

AC³ – HEALTHCARE LAYER

Doctor-Triad Hierarchy (A–Z) with Subordinates

This document defines the AC³ Doctor-Triad hierarchy: an A–Z index of physician triads, each composed of three primary doctors and ten subordinate clinicians per doctor. All triads are surname-indexed and designed for HIPAA-aware, context-routed use inside the Elyon-Sol framework.

1. Conceptual Model

STRUCTURAL DEFINITION

Alphabet = { A, B, C, ..., Z }

For each letter $L \in \text{Alphabet}$:

$L^3 = \{ DR_1^L, DR_2^L, DR_3^L \}$

$S(DR_x^L) = \{ s_1 \dots s_{10} \}$ (ten subordinates per doctor)

Hierarchical triad for letter L:

$L^{3H} = \{ (DR_1^L, S(DR_1^L)), (DR_2^L, S(DR_2^L)), (DR_3^L, S(DR_3^L)) \}$

Full system:

$AC^3\text{-DR-Hierarchy} = \bigcup L^{3H} \text{ for all } L \in \text{Alphabet}$

ACCESS & SAFETY (SKETCH)

$\text{Access}(DR_x^L \rightarrow \text{Context}_y) = \min(\text{Clearance}(DR_x^L), \text{ModeGate}_y)$

$\text{Access}(s_k \rightarrow \text{Context}_y) = \min(\text{Clearance}(s_k), \text{ModeGate}_y)$

Each subordinate s_k is a structured role object, typically including:

$s_k = (\text{name}, \text{credential}, \text{specialty}, \text{clearance}, \text{mode-permissions})$

2. Triad Template (Per Letter)

The following is the reusable template for any letter L. Replace [L] with A–Z and populate the doctors and their ten subordinates.

[L]³ — Triad [L]

TEMPLATE

Surname-indexed triad: all primary doctors have last names beginning with [L].

LEAD PHYSICIAN — DR₁[L]

[LastName₁^L], [FirstName₁] (e.g.,
Lawson, Avery)

Subordinate clinicians (10 slots):

1. S₀₁ — _____
2. S₀₂ — _____
3. S₀₃ — _____
4. S₀₄ — _____
5. S₀₅ — _____
6. S₀₆ — _____
7. S₀₇ — _____
8. S₀₈ — _____
9. S₀₉ — _____
10. S₁₀ — _____

COUNTERBALANCE PHYSICIAN — DR₂[L]

[LastName₂^L], [FirstName₂]

Subordinate clinicians (10 slots):

1. S₀₁ — _____
2. S₀₂ — _____
3. S₀₃ — _____
4. S₀₄ — _____
5. S₀₅ — _____
6. S₀₆ — _____
7. S₀₇ — _____
8. S₀₈ — _____
9. S₀₉ — _____
10. S₁₀ — _____

CONTEXTUAL PHYSICIAN — DR₃[L]

[LastName₃^L], [FirstName₃]

Subordinate clinicians (10 slots):

1. S₀₁ — _____
2. S₀₂ — _____
3. S₀₃ — _____
4. S₀₄ — _____
5. S₀₅ — _____
6. S₀₆ — _____
7. S₀₇ — _____
8. S₀₈ — _____

9. s_{09} — _____
10. s_{10} — _____

To instantiate the full A–Z system, duplicate the template block above for each letter and replace [L] and the example names with real clinicians.

3. Example Instantiation (Optional)

Example for Triad A (for demonstration only — replace with real doctors and staff):

A³ — Triad A

EXAMPLE

Surname-indexed: all primary doctors' last names begin with "A".

LEAD PHYSICIAN — DR₁^A

Adams, Eleanor — MD, Psychiatry

Subordinate clinicians:

1. s_{01} — Alice Nguyen, RN
2. s_{02} — Marco Diaz, LCSW
3. s_{03} — Priya Patel, PA-C
4. s_{04} — Jordan Lee, NP
5. s_{05} — _____
6. s_{06} — _____
7. s_{07} — _____
8. s_{08} — _____
9. s_{09} — _____
10. s_{10} — _____

COUNTERBALANCE PHYSICIAN — DR₂^A

**Alvarez, Miguel — MD, Internal
Medicine**

Subordinate clinicians:

1. s_{01} — _____
2. s_{02} — _____
3. s_{03} — _____
4. s_{04} — _____
5. s_{05} — _____
6. s_{06} — _____
7. s_{07} — _____
8. s_{08} — _____
9. s_{09} — _____
10. s_{10} — _____

CONTEXTUAL PHYSICIAN — DR₃^A

Armitage, Sophia — MD, Neurology

Subordinate clinicians:

1. s_{01} — _____

- 2. S₀₂ — _____
- 3. S₀₃ — _____
- 4. S₀₄ — _____
- 5. S₀₅ — _____
- 6. S₀₆ — _____
- 7. S₀₇ — _____
- 8. S₀₈ — _____
- 9. S₀₉ — _____
- 10. S₁₀ — _____