Future Enhancements – Step 2B: Benefits Foundation

# 🔍 Business Logic & Configuration

* • Smart Rule Engine – Conditional logic, rule chaining, priority system.
* • Coverage Bundles / Sets – Group related coverages (e.g., outpatient bundle).
* • Inheritance & Overrides – Override co-payment or deductible values per plan.
* • Benefit Lifecycle States – Support draft/published/archived status.

# 🌍 Multilingual & UX Enhancements

* • Full i18n Multilingual Support – Arabic/French labels for all fields.
* • Ordering & Grouping – UI control fields like display\_order, group\_title.

# 🔐 Compliance & Audit

* • Regulatory Mapping Tables – Link ICD/CPT to benefit coverage.
* • Change Logs / Versioning – Track edits with version and author.
* • Effective Time Windows – Temporarily activate benefits for specific time ranges.

# 📊 Analytics & AI

* • Benefit Usage Statistics – Aggregate claims, average utilization per coverage.
* • AI Rule Suggestions – Pre-fill formulas using AI training on similar plans.

# 🧱 Schema Enhancements

* • JSON Logic Support – Use json\_logic in eligibility\_criteria for smart rules.
* • Unit Enums – Normalize measurement units across system.

# 🧠 Smart Claims Integration (future AI module)

* • Auto-Calculable Flag – Tag benefits for automatic calculation by engine.
* • Formula Evaluation Engine – Support parsing and simulating formulas like: invoice \* 0.9 - deductible.