# LIFE CARE PLAN - MULTI-SCENARIO ANALYSIS

## Scenario Comparison and Economic Analysis

**Prepared for: Multi-Scenario Test Patient**

|  |  |
| --- | --- |
| **Report Date:** | June 18, 2025 |
| **Number of Scenarios:** | 3 |
| **Base Year:** | 2025 |
| **Projection Period:** | 10.0 years |

## Executive Scenario Comparison

|  |  |  |  |
| --- | --- | --- | --- |
| **Metric** | **Baseline - Conservative** | **Moderate Care** | **Intensive Care** |
| **Total Nominal Cost** | $37,297.29 | $123,121.59 | $214,461.20 |
| **Total Present Value** | $31,822.62 | $105,047.70 | $200,301.70 |
| **Average Annual Cost** | $3,729.73 | $12,312.16 | $21,446.12 |
| **First Year Cost** | $3,230.00 | $10,660.00 | $46,800.00 |
| **Last Year Cost** | $4,272.68 | $14,107.58 | $5,385.02 |

## Variance Analysis

**Baseline Scenario:** Baseline - Conservative - $37,297.29 total nominal cost

|  |  |  |
| --- | --- | --- |
| **Scenario** | **Difference from Baseline** | **Percentage Change** |
| Moderate Care | $+85,824.30 | +230.1% |
| Intensive Care | $+177,163.91 | +475.0% |

## Individual Scenario Details

### Scenario: Baseline - Conservative

**Description:** Conservative treatment approach with minimal intervention

|  |  |  |
| --- | --- | --- |
| **Service Category** | **Total Nominal Cost** | **Total Present Value** |
| Basic Therapy | $33,321.70 | $28,427.24 |
| Medical Care | $3,975.59 | $3,395.37 |
| **TOTAL** | **$37,297.29** | **$31,822.61** |

### Scenario: Moderate Care

**Description:** Moderate treatment intensity with additional therapies

|  |  |  |
| --- | --- | --- |
| **Service Category** | **Total Nominal Cost** | **Total Present Value** |
| Enhanced Therapy | $101,353.50 | $86,466.20 |
| Medical Care | $21,768.09 | $18,581.51 |
| **TOTAL** | **$123,121.59** | **$105,047.71** |

### Scenario: Intensive Care

**Description:** Intensive treatment with distributed cognitive therapy sessions

|  |  |  |
| --- | --- | --- |
| **Service Category** | **Total Nominal Cost** | **Total Present Value** |
| Intensive Therapy | $139,973.40 | $134,557.16 |
| Medical Care | $74,487.80 | $65,744.54 |
| **TOTAL** | **$214,461.20** | **$200,301.70** |

## Multi-Scenario Analysis Methodology

**Scenario Analysis Purpose:** Multiple scenarios allow evaluation of different treatment approaches, service intensity levels, or economic assumptions. Each scenario represents a distinct set of medical services and associated costs, enabling comprehensive comparison for decision-making purposes.

**Calculation Consistency:** All scenarios use identical mathematical methods for inflation adjustment and present value calculation. Differences in results reflect only differences in service specifications, not calculation methods. This ensures accurate comparison between scenarios.