**Title of Outcome Measure (Improvement Target):** IT-1.20 Other: Reduction of STI Rate among Adolescents and Young Adults

**Unique RHP outcome identification number(s):** 082006001.3.1

**Performing Provider Name/TPI:** Baylor College of Medicine/082006001

**Outcome Measure Description:**

Because this is a new clinic, process milestone P-2 was selected to establish the baseline to which improvement will be compared. Outcome improvement target IT-1.20 was selected; the measure will be reduction in STI (chlamydia, gonorrhea and syphilis) rates by 5% compared to the baseline in DY5.

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| **Process Milestones:**  | **Outcome Improvement Target(s):** |
| * DY3: P-2
 | * DY4: IT-1.20
 |
| * DY2: P-1
 | * DY5: IT-1.20
 |

**Rationale:**

Because the Baylor Teen Health Clinic (BTHC) focuses on prevention, the proposed Category 3 measure is reduced STI rate. The chronic illness milestones identified on the Category 3 do not address the salient health issues faced by adolescents and young adults. Because STIs disproportionately affect this population, the STI rate is a more appropriate metric that clearly measures the success of the STI counseling proposed in the Category 1 improvement measures. Because the goal is to reduce the rate among the population served by the BTHC, baseline data will be established during the first full year the clinic is operational (DY3). The mission of the BTHC is to provide access to affordable care for at-risk, underserved teens in the community. By reducing STI rates and associated sequelae the BTHC will help its young patients avoid long-term health effects associated with STIs.

**Outcome Measure Valuation:**

The value of this project was determined by an econometrics assessment of STI treatment. Researchers at the CDC have evaluated the cost effectiveness of STI treatment[[1]](#footnote-1) and developed formulae to assess the direct and indirect cost savings of education, screening and treatment. The formula developed for HIV costs averted by HIV counseling and testing was used to calculate the estimated bundle amount for STI counseling, as HIV counseling is included in all STI education, and screening is available to all patients. The estimated bundle amount for STI treatment was based on the pro rata sequelae costs averted for the treatment of gonorrhea, which is a more conservative estimate than that for treatment of chlamydia or syphilis, and it is estimated that 90% of patients treated will be women. The value for decreases in STI rates is based on treatment and pro rata sequelae costs averted because of reductions in the infections in the population, assuming the reductions occur in a patient population of 1,000 patients, or 10 cases avoided per percentage point reduction.

| *082006001.3.1* | *IT-1.20* | *Reduction of STI Rate among Adolescents and Young Adults* |
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| *Baylor College of Medicine* | *082006001* |
| **Related Category 1 or 2 Projects::** | *082006001.1.1* |
| **Starting Point/Baseline:** | *To be established in DY3* |
| **Year 2** **(10/1/2012 – 9/30/2013)** | **Year 3** **(10/1/2013 – 9/30/2014)** | **Year 4****(10/1/2014 – 9/30/2015)** | **Year 5****(10/1/2015 – 9/30/2016)** |
| **Process Milestone 1** [P-1]: Complete project plan.Data Source: Project plan document. | **Process Milestone 2** [P-2]**:** Establish STI rate baseline.Data Source: Health RecordProcess Milestone 1 Estimated Incentive Payment: $ 6,400 | **Outcome Improvement Target 1** [IT-1.20]: Decrease STI rate.Improvement Target: Decrease STI rate by 2% compared to baseline.Data Source: Health RecordOutcome Improvement Target 1 Estimated Incentive Payment*:* $ 10,300 | **Outcome Improvement Target 2** [IT-1.20]: Decrease STI rate.Improvement Target: Decrease STI rate by 5% compared to baseline.Data Source: Health RecordOutcome Improvement Target 2 Estimated Incentive Payment*:* $ 14,900 |
| Year 2 Estimated Outcome Amount: $ 0 | Year 3 Estimated Outcome Amount: $ 6,400 | Year 4 Estimated Outcome Amount: $ 10,300 | Year 5 Estimated Outcome Amount: $ 14,900 |
| **TOTAL ESTIMATED INCENTIVE PAYMENTS FOR 4-YEAR PERIOD** *(add outcome amounts over DYs 2-5)****:***$ 31,600 |

1. Chesson HW, Collins D, Koski K. Formulas for estimating the costs averted by sexually transmitted infection (STI) prevention programs in the United States. *Cost Effectiveness and Resource Allocation.* 2008; 6:10. [↑](#footnote-ref-1)