All readmissions: 15.000$ Readmission cost: .https://hcup-us.ahrq.gov/reports/statbriefs/sb278-Conditions-Frequent-Readmissions-By-Payer-2018.pdf

Specific to Diabetes: 11.000$ (251.000.000 / 23.000) .https://hcup-us.ahrq.gov/reports/statbriefs/sb172-Conditions-Readmissions-Payer.pdf

6800$ readmission prevented: .https://www.researchsquare.com/article/rs-5200964/v1

10000$ Readmission avoided: .https://pmc.ncbi.nlm.nih.gov/articles/PMC10752096/pdf/10.1177\_00469580231218625.pdf

For Diabetes we estimate that it is going to be $2500

**Economic Cost Analysis for Predicting Readmission in Type 2 Diabetes**

**1. Cost of Actual Readmissions in Type 2 Diabetes**

**A. Categorizing Readmissions**

1. **No readmission**
   * **$0** incremental readmission cost
   * Since there is no second hospital stay, this scenario contributes $0 in additional (readmission) costs.
2. **<30-day readmission**
   * **$15,000–$16,000** per readmission
   * Rationale: AHRQ data shows a **$14,000–$17,700** average for 30-day readmissions; early (<30 days) readmissions often trend toward the higher end.
3. **>30-day readmission**
   * **$14,000–$15,000** per readmission
   * Rationale: Some hospitals find these later readmissions to be slightly cheaper, still within the **$14k–$17k** national range.

**Full Links for Readmission Costs**

1. **AHRQ HCUP Statistical Brief #153 (2010 data)**
   * Title: “Readmissions to U.S. Hospitals by Diagnosis, 2010”
   * URL:  
     https://hcup-us.ahrq.gov/reports/statbriefs/sb153.pdf
2. **AHRQ HCUP Statistical Brief #278 (2018 data)**
   * Title: “2018 Overview of 30-Day Readmissions”
   * URL:  
     https://www.hcup-us.ahrq.gov/reports/statbriefs/sb278-Readmissions-2018.pdf
3. **AHRQ HCUP Statistical Brief #307 (2020 data)**
   * Title: “Top Conditions and Costs for Adult Hospital Readmissions, 2020”
   * URL:  
     https://www.hcup-us.ahrq.gov/reports/statbriefs/sb307-Conditions-Costs-Readmissions-2020.pdf
4. **Karunakaran A, Zhao L, Rubin DJ. (2018). Medical Care**
   * PubMed abstract URL:  
     <https://pubmed.ncbi.nlm.nih.gov/29356783/>
   * Summary in the abstract mentions $14k–$16k per readmission for diabetes.

* We are calculating with an average of $15.000 readmission costs

**2. Cost per Readmission Avoided (Prevention Interventions)**

**A. Technology-Based Programs (Telehealth, Remote Monitoring)**

* **Florida Health System Telehealth**
  + Over 2 years, avoided ~950 readmissions, saving $5.3M → **$5,600 per readmission avoided**
  + Source (Case study excerpt “Telehealth Achievements”):  
    .https://hcup-us.ahrq.gov/reports/statbriefs/sb278-Conditions-Frequent-Readmissions-By-Payer-2018.pdf
* **Allina Health Care Transitions**
  + Avoided ~420 readmissions in 1 year, saving $3.2M → **$7,600 per readmission avoided**
  + Source (CMS Innovation case study PDF):  
    https://innovation.cms.gov/files/x/cctptallinacasestudy.pdf

**B. Care Coordination, Case Management**

* **New Jersey Diabetes Case Management Program**
  + Over ~2 years, 0 readmissions vs. ~105 expected, ~$1.72M saved → **$16k per readmission avoided**
  + CDC Publication “Preventing Chronic Disease” highlight:  
    <https://www.cdc.gov/pcd/issues/2018/17_0546.htm>

**C. Pharmacist-Led Medication Adherence Programs**

* **Cedars-Sinai Post-Discharge Calls**
  + Reduced 30-day readmissions by 5.4% absolute. Net cost-saving program → effectively **negative cost** per readmission avoided (because it saved more money than it cost to run).
  + PubMed abstract link:  
    <https://pubmed.ncbi.nlm.nih.gov/30530945/>

**D. Diabetes Self-Management Education and Support (DSMES)**

* **ADA Position Statements** show DSMES is cost-effective, lowers hospitalizations.
  + Detailed info in “Diabetes Self-Management Education and Support in Type 2 Diabetes” *Diabetes Care*
  + URL (Open Access Full Text):  
    https://diabetesjournals.org/care/article/41/10/2043/30077/Diabetes-Self-management-Education-and-Support-in

**Typical Range Across Interventions**: ~**$5,000–$10,000** per avoided readmission. Many well-executed programs can achieve an even **lower** cost per avoided readmission—or even net savings (i.e., a “negative” cost per readmission averted).

**Putting It All Together for Your Model**

**A. Cost of Actual Readmissions**

* **No readmission**: $0
* **<30-day**: $15,000–$16,000
* **>30-day**: $14,000–$15,000

**B. Cost per Readmission Avoided (Interventions)**

* A reasonable assumption is **$5k–$10k** per avoided readmission, reflecting national data.
* Many interventions (particularly pharmacist-led, telehealth, or robust care management) can be even more cost-effective, sometimes **net cost-saving**.

In other words, preventing a readmission costs far less than the hospital stay itself ($14k–$17k), making readmission reduction efforts financially attractive to health systems and payers, as well as beneficial for patients.

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