**Insights Report**

**Claims Overview [All the insights are Filtered by Gender(Male), County(120), and State(3)]**

**1. Claims Distribution:**

* Providers: The provider with ID PRV51161 has the highest inpatient claim amount (~$40K), significantly higher than others.
* Outpatient Claims: These are minimal compared to inpatient claims for most providers, with PRV51162 showing the largest outpatient claim (~$10K).

**2. Claims Count:**

* Inpatient vs. Outpatient:
  + Inpatient Claims dominate, accounting for 98.88% (177 claims) of the total claims.
  + Outpatient Claims represent only 1.12% (2 claims).

**3. Reimbursement Amount:**

* Total Reimbursement: The combined inpatient and outpatient claims amount to $78.51K.
* Breakdown:
  + Inpatient: $36K (45.85% of the total).
  + Outpatient: $42.51K (54.15% of the total).

**4. Average Claim Amount:**

* Inpatient: $18K per claim, reflecting significantly higher claim amounts due to more extensive treatments or services.
* Outpatient: $240.17 per claim, indicative of less resource-intensive procedures.

**5. Demographic Insights (Filtered by Gender, County, and State):**

* Gender Filter: Current data reflects insights filtered for Female beneficiaries.
* Location: Limited to County 120 within State 3.

**6. Overall Averages:**

* Average Claim Amount (Combined): $438.60.

**Provider Analysis**

1. **Total Reimbursement Overview**:
   * Total reimbursement by providers is **$132.85M** across **1,353 providers**.
   * The provider with the highest claim amount is **PRV53866**, with **$6,097,440**.
   * Providers with the lowest claim amounts (zero reimbursement) include **PRV56085** and **PRV56097**.
2. **High-Value Providers**:
   * Providers reimbursed over **$10,000** are highlighted, with **PRV1073** topping the list at **$1,035,020**.
3. **Claim Distribution**:
   * Top 5 providers by reimbursement include **PRV56573**, **PRV52080**, and others, displayed through a treemap.
   * Outpatient claims are predominantly handled by **PRV56573**, while **PRV53866** leads in inpatient claims.

**Demographic Insights**

1. **Beneficiary Profile**:
   * Total beneficiaries: **64,000**, with **60,000** aged 65+.
   * Average deductible amount (aged 65+): **$972.55**, contributing to a total deductible of **$62.45M**.
2. **Chronic Conditions Prevalence**:
   * Leading conditions include **Ischemic Heart (45.89K cases)**, **Diabetes (41.79K cases)**, and **Heart Failure (34.71K cases)**.
   * Other notable conditions: Depression, Alzheimer’s, and Kidney Disease.
3. **Demographic Breakdown**:
   * Gender: **57.41% Male**, **42.59% Female**.
   * Race: Majority classified under Race **1 (84.58%)**, followed by Race **2 (9.98%)**.
4. **Special Beneficiary Segment**:
   * Beneficiaries without Heart Failure, Cancer, or Diabetes are tracked, with data segmented by gender and ID.

**Trends Over Time [All the Insights are filtered by State(1)]**

1. **Peak Claiming Periods**:
   * Highest claiming month: **February**.
   * Highest claiming quarter: **Q1**.
2. **Reimbursement & Claim Trends**:
   * Total reimbursement amount peaks in February and declines toward mid-year.
   * Claims count mirrors the reimbursement trend, with steady activity across months.
3. **Inpatient vs. Outpatient**:
   * Outpatient claims dominate with **3,039 claims** totaling **$931.51K**.
   * Inpatient claims are lower at **153 claims**, totaling **$1.65M**.
4. **Average Deductible**:
   * Average deductible amount for aged 65+ stands at **$214.94K**, with consistent trends over quarters.