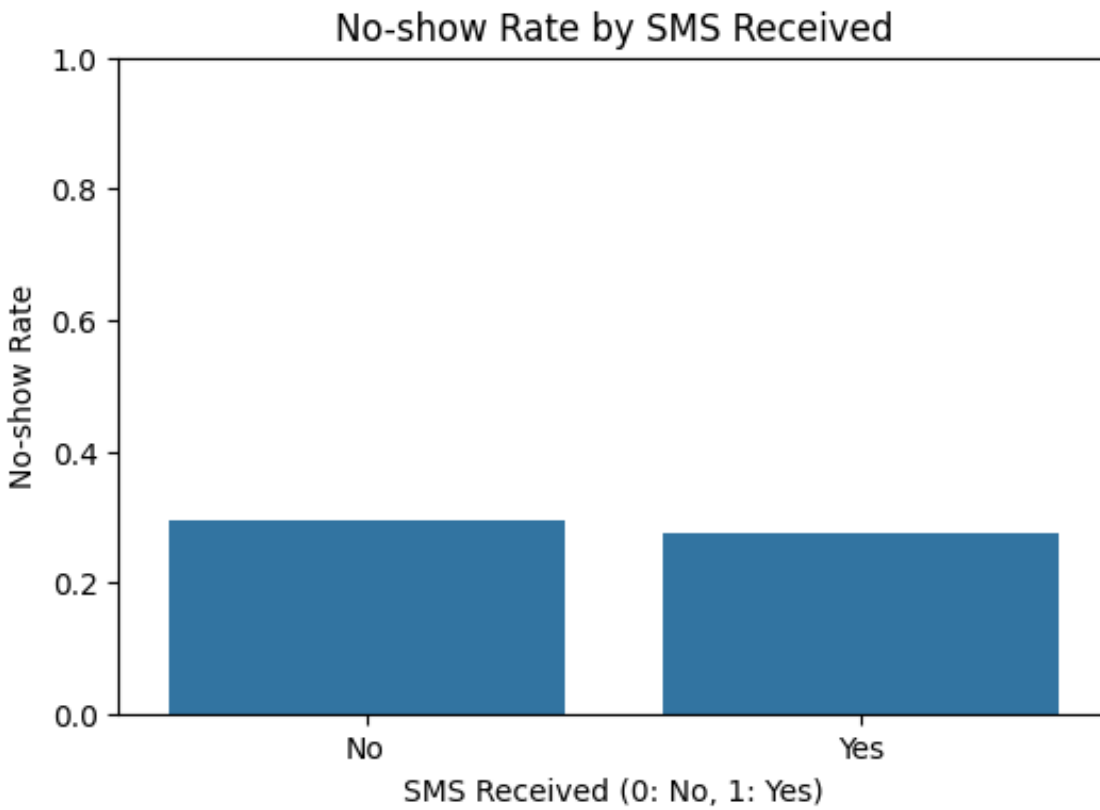


# Summary of Visualizations



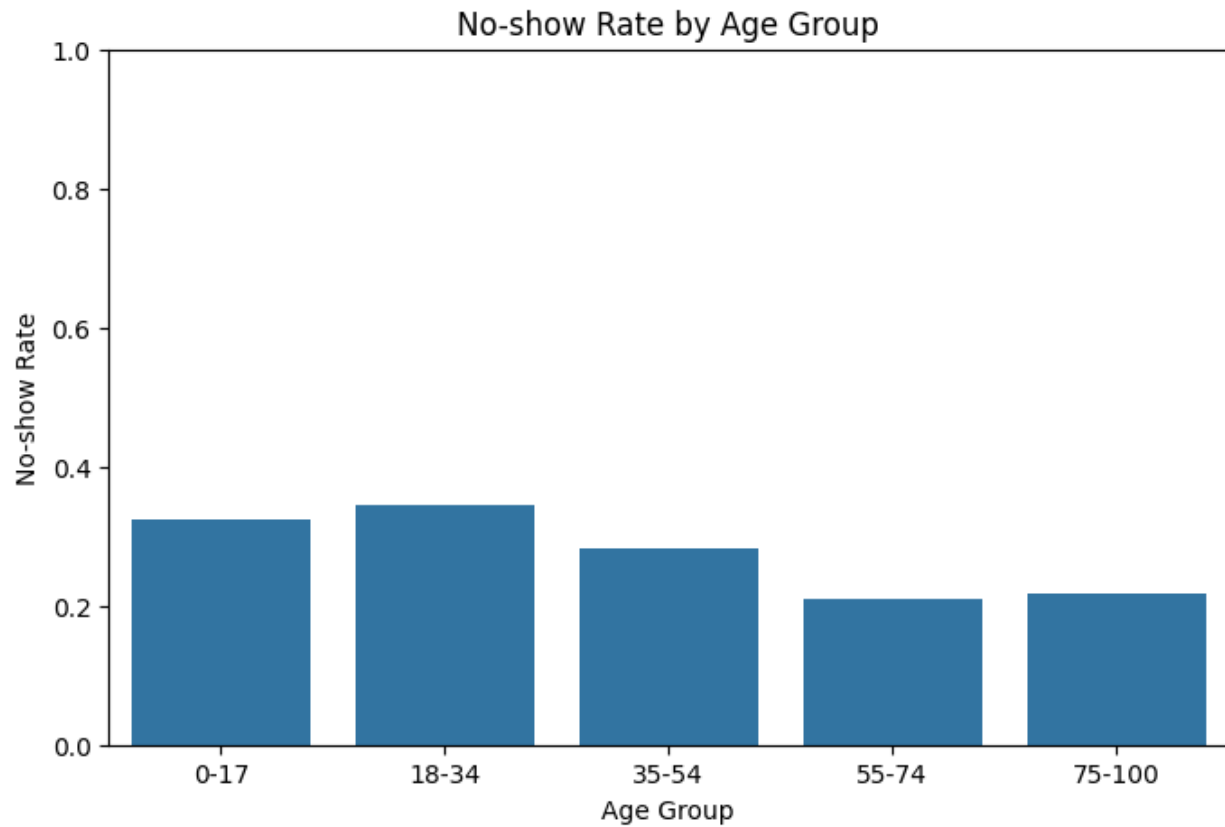
## 1. No-show Rate by SMS Received



*Insight: There is no significant difference in no-show rates between those who received SMS reminders and those who did not.*

*Interpretation: SMS reminders may not be effective at reducing no-shows.*

## 🧑🧒 2. No-show Rate by Age Group



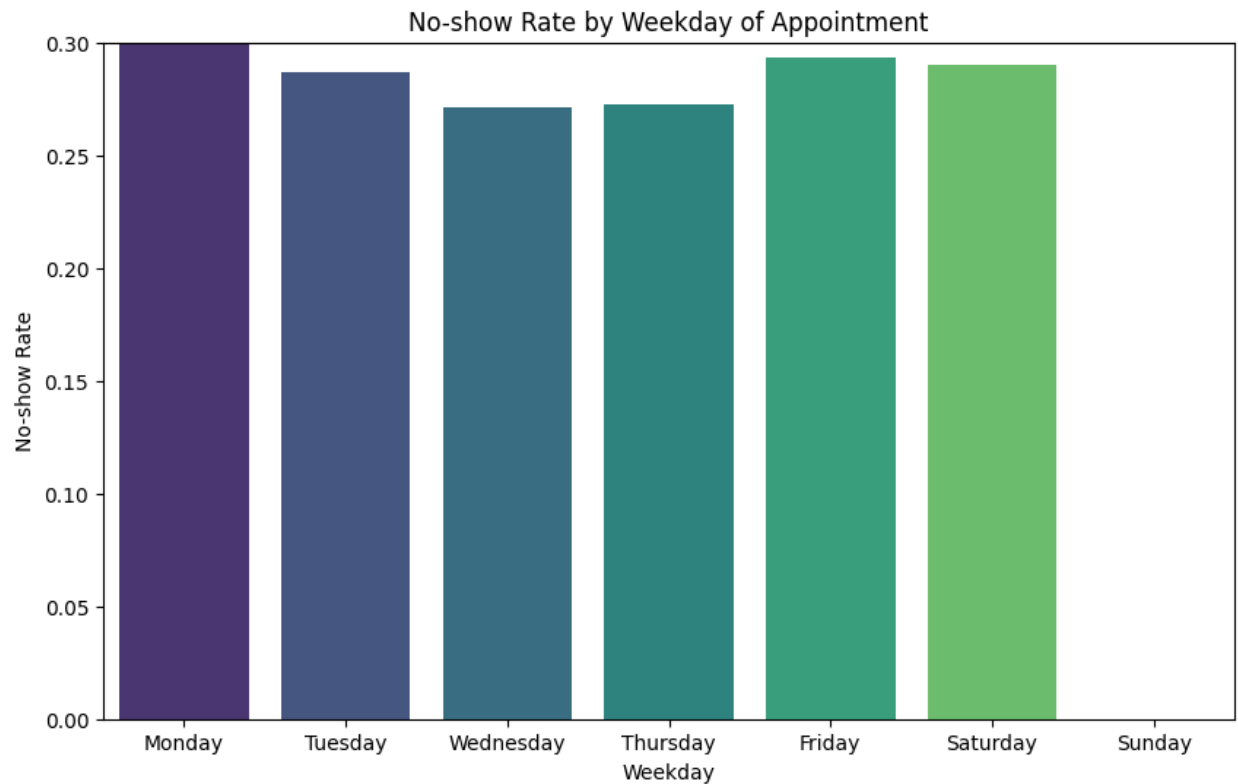
*Insight: No-show rates are:*

- *Highest in the 18–34 age group.*
- *Lowest in the 55–74 and 75–100 age groups.*

*Interpretation: Younger patients are more likely to miss appointments than older ones.*



### 3. No-show Rate by Weekday of Appointment



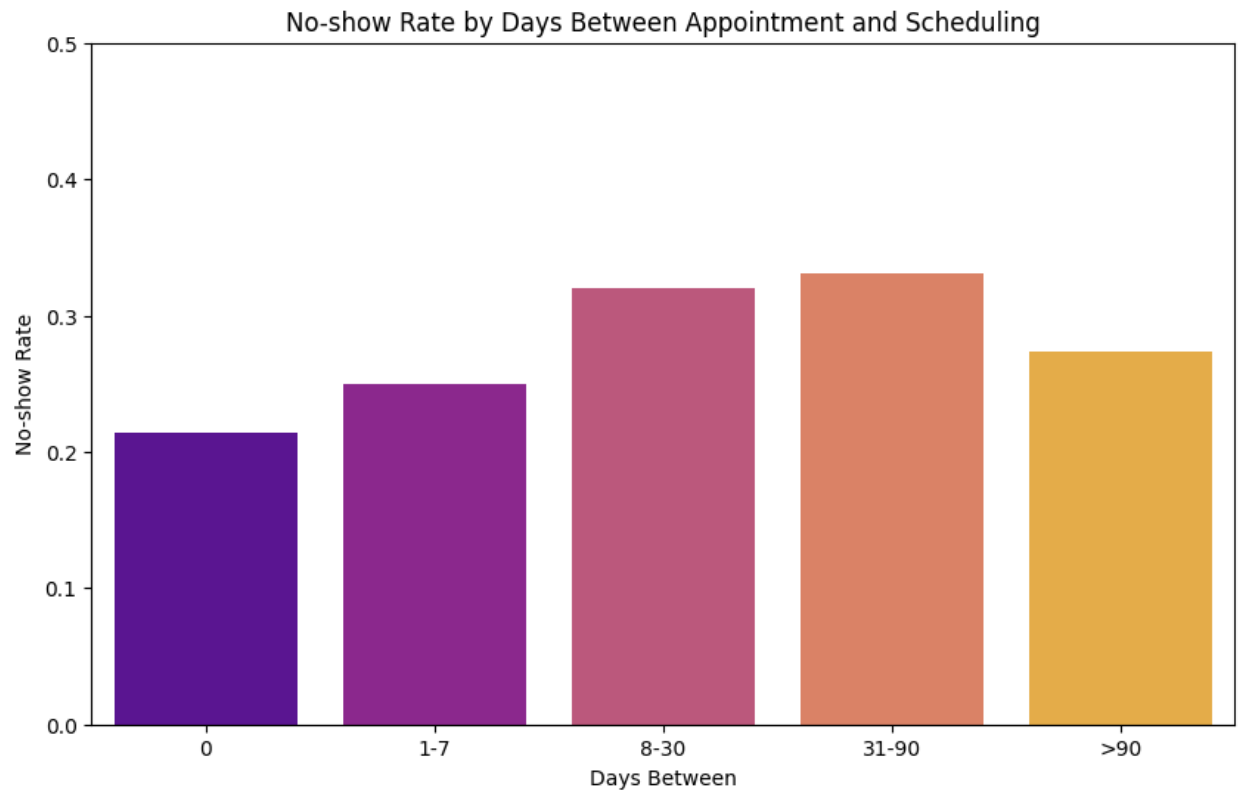
*Insight: Monday has the highest no-show rate.*

- *Midweek (Wednesday, Thursday) has lower no-show rates.*

*Interpretation: Appointments earlier in the week might be more prone to no-shows.*



#### 4. No-show Rate by Days Between Scheduling and Appointment

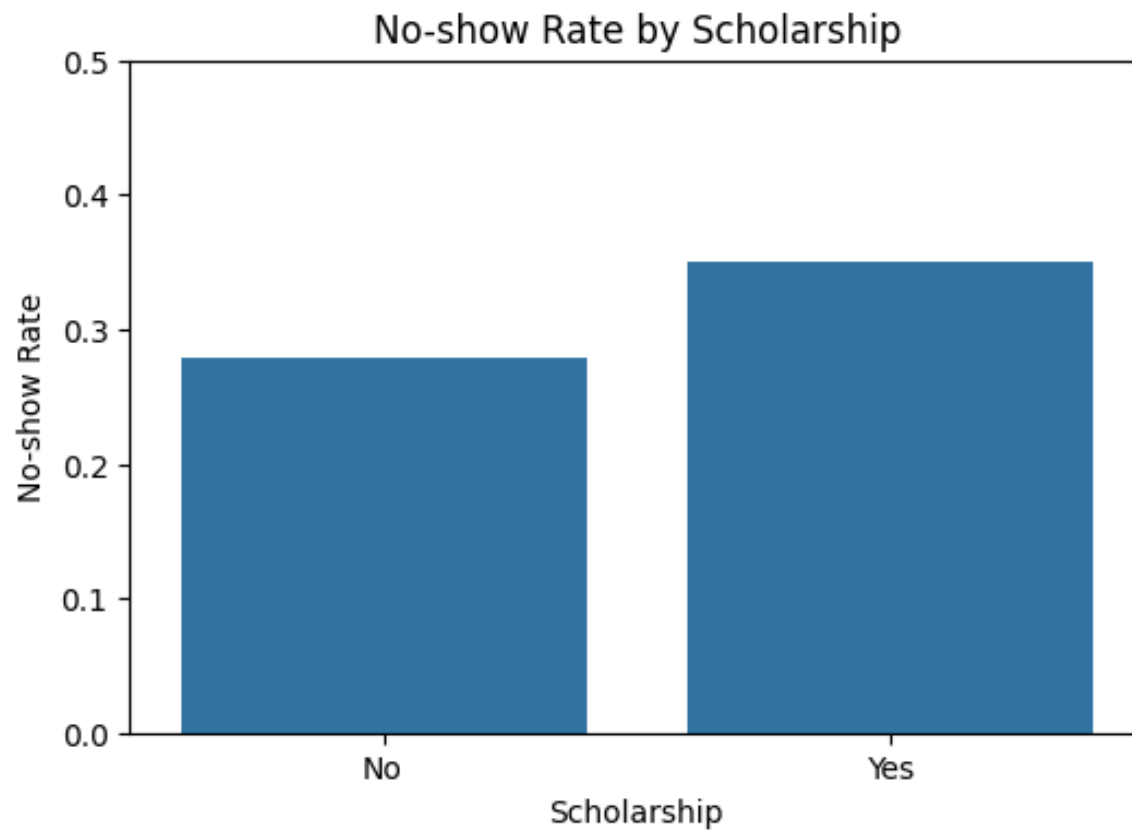


##### *Insight:*

- Same-day appointments have the lowest no-show rate.
- No-shows increase with longer wait times (8–90 days).
- After 90 days, the rate drops slightly again.

*Interpretation: Longer scheduling delays increase the risk of no-shows.*

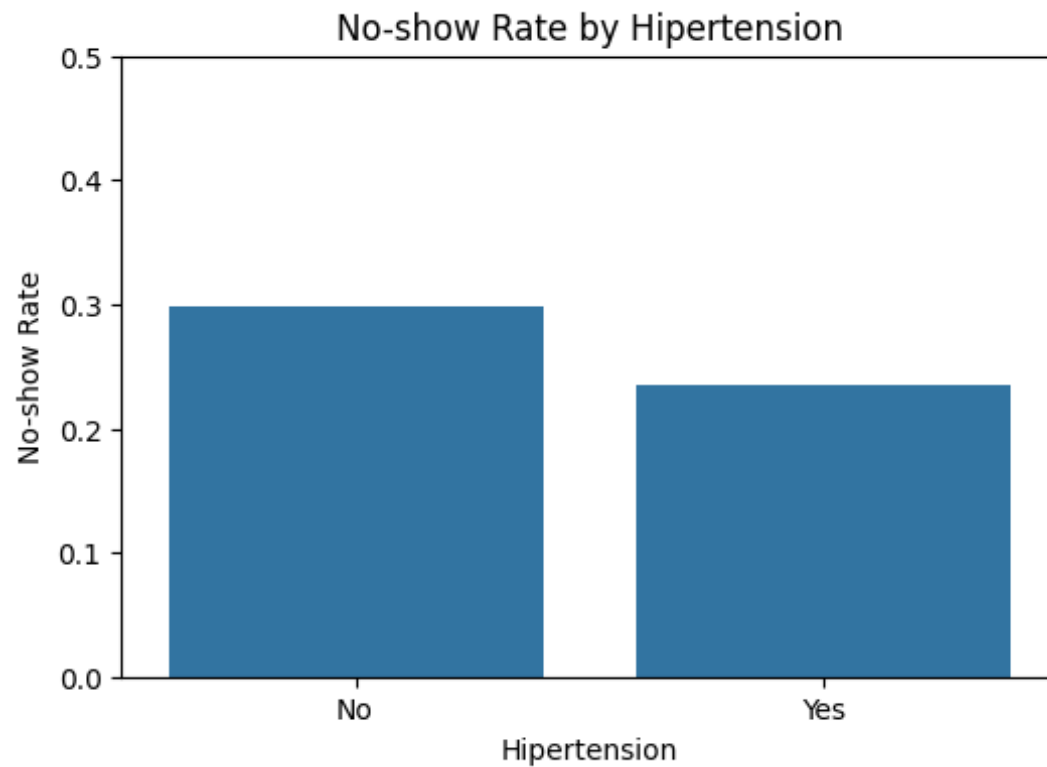
## 🎓 5. No-show Rate by Scholarship Status



*Insight: Patients with a scholarship (likely indicating financial aid) show a higher no-show rate.*

*Interpretation: Socioeconomic status may impact appointment attendance.*

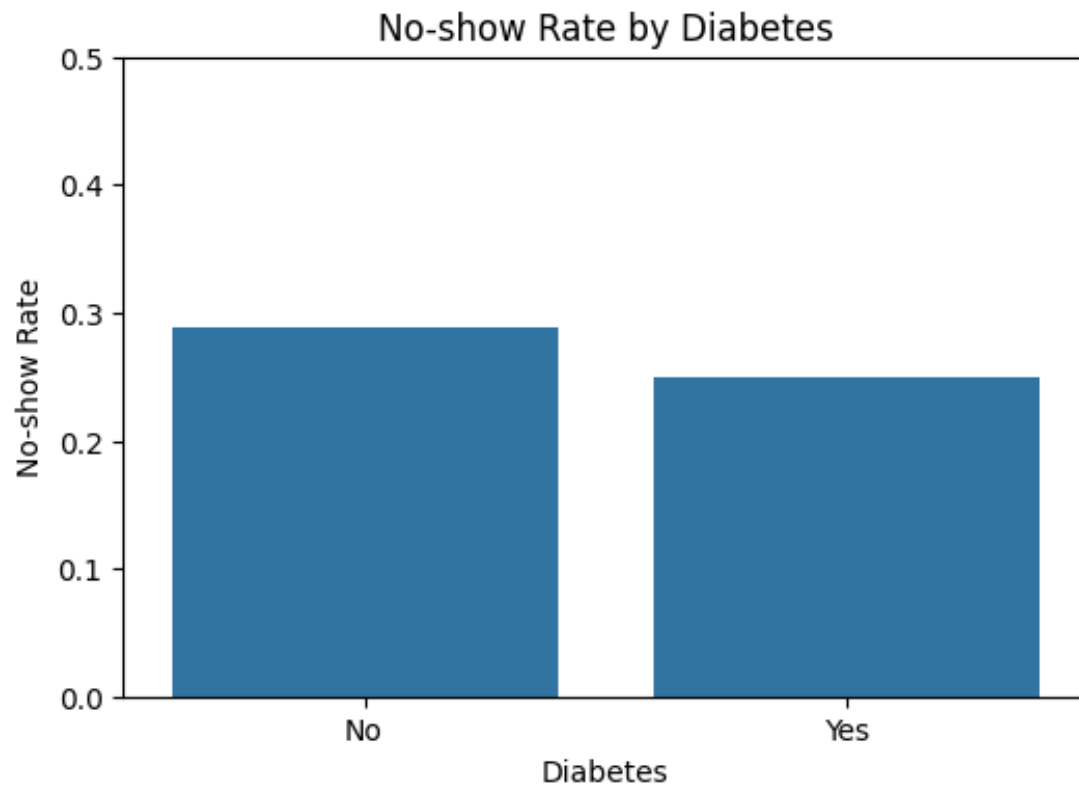
## ♥ 6. No-show Rate by Hypertension



*Insight: Patients with hypertension have lower no-show rates than those without.*

*Interpretation: People with chronic conditions may be more committed to attending appointments.*

## 7. No-show Rate by Diabetes

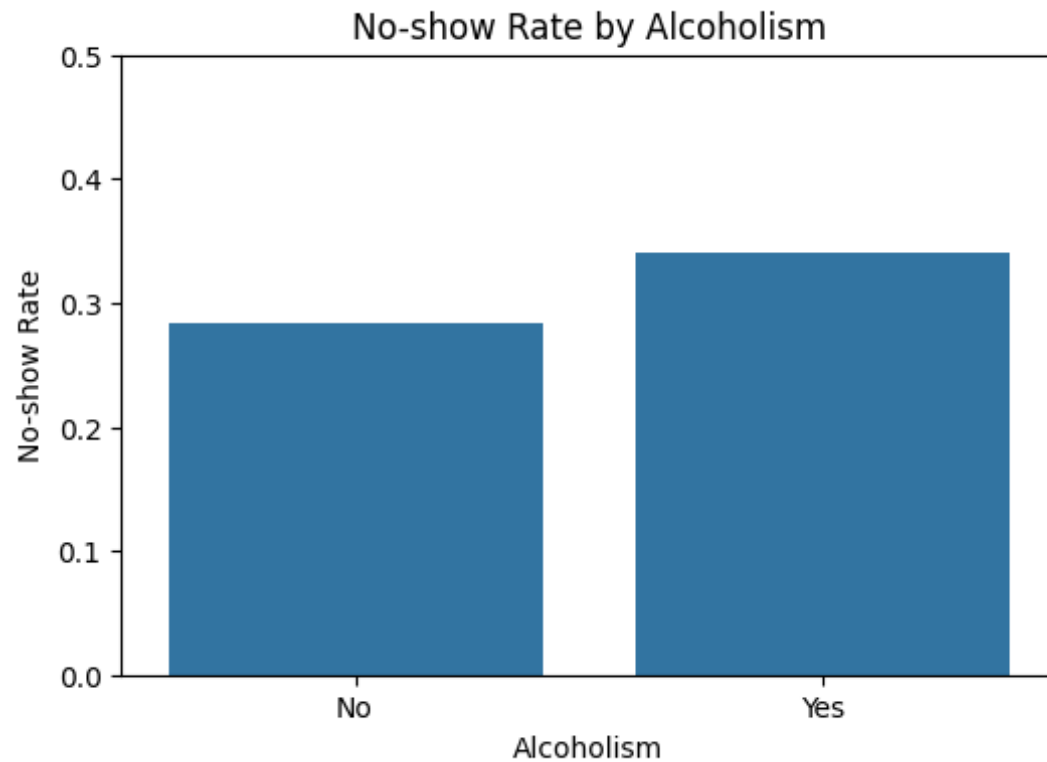


*Insight: Similar to hypertension, those with diabetes tend to show up more than those without.*

*Interpretation: Chronic disease management appears to be a motivator for attendance.*



## 8. No-show Rate by Alcoholism



*Insight: Patients identified with alcoholism have higher no-show rates.*

*Interpretation: Alcohol-related behavioral or health challenges may contribute to poor appointment adherence.*



## Overall Takeaways:

- **Key Risk Factors for No-shows:**
  - *Younger age*
  - *Appointments scheduled far in advance*
  - *Financial hardship (scholarship)*
  - *Alcoholism*
- **Protective Factors:**
  - *Chronic conditions (e.g., hypertension, diabetes)*
  - *Short scheduling time*
  - *Older age*