Calculate Medication Adherence Based on Proportion of Days Covered (PDC)
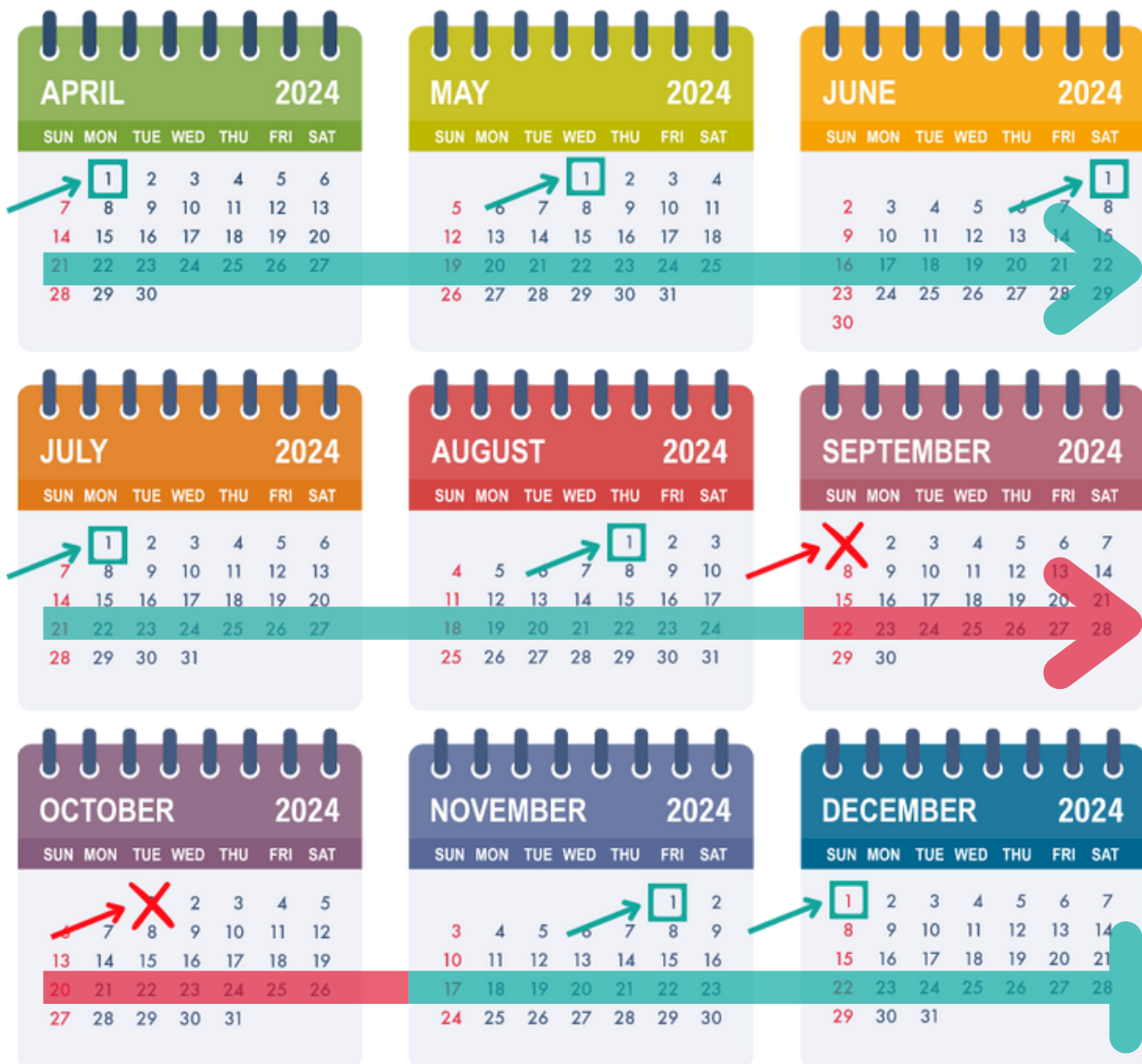
Larry filled his first 30-Day Supply of Losartan on April 1st. He refilled his medication on schedule through August. However, by September Larry decided not to refill his medication and didn't pick up his refill again until November 1st, getting back on schedule through the end of the year.

Starting from the index date of April 1st *(first fill date)* through December 31st - there is a **total of 274 days in the measurement period**.

However, Larry did not refill his medication in September or October - meaning he was **without his medication for a total of 60 days**.

This means that **Larry had his medication for a total of 214 days** out of 274 days in the measurement period.

To **calculate Larry's PDC %** you take the number of days Larry was "covered" (214 days) divided by the total number of days in the measurement period (247 days).

# of Days Covered: **214**

# of Days in measurement period: **274**

$$\frac{214}{274} = \text{PDC of: } 77.8\%$$

Is Larry considered adherent based on Proportion of Days Covered (PDC)?

Unfortunately, No.

The threshold to be considered adherent is 80%. Since Larry falls below 80% he is considered non-adherent to his medication.

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