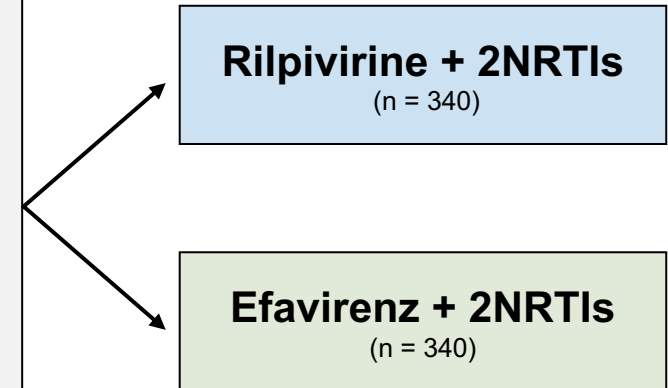


Rilpivirine + TDF-FTC versus Efavirenz + TDF-FTC  
**THRIVE Trial**

# Rilpivirine + TDF-FTC versus Efavirenz + TDF-FTC

## THRIVE: Study Design

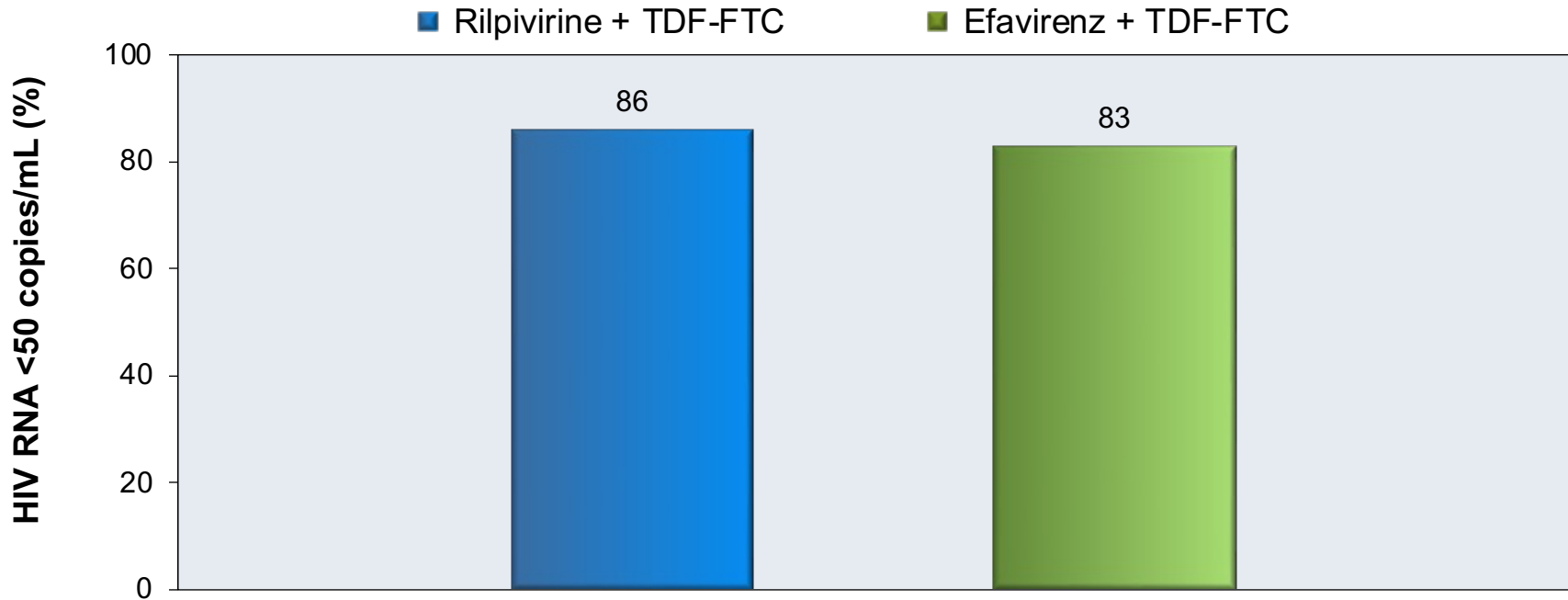
- **Background:** Randomized, double-blind, phase 3 trial comparing rilpivirine and efavirenz in combination with a fixed background regimen consisting of tenofovir DF-emtricitabine in treatment-naïve adult with HIV
- **Inclusion Criteria (n = 690)**
  - Antiretroviral-naïve adults
  - Age  $\geq 18$  years
  - HIV RNA  $\geq 5,000$  copies/mL
  - No resistance to any study drugs
- **Treatment Arms**
  - Rilpivirine + 2NRTIs
  - Efavirenz + 2NRTIs



# Rilpivirine + TDF-FTC versus Efavirenz + TDF-FTC

## THRIVE: Results

48 Week Virologic Response

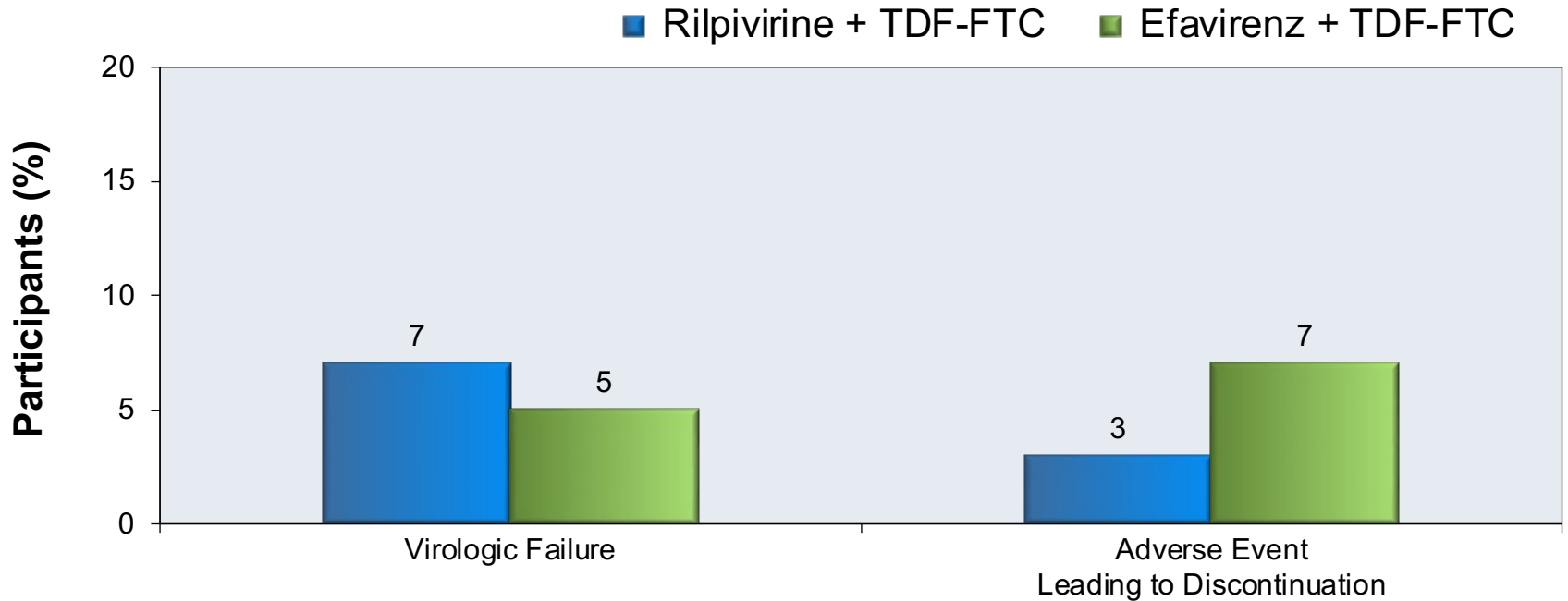


Source: Cohen CJ, et al. Lancet. 2011;378:229-37.

# Rilpivirine + TDF-FTC versus Efavirenz + TDF-FTC

## THRIVE: Results

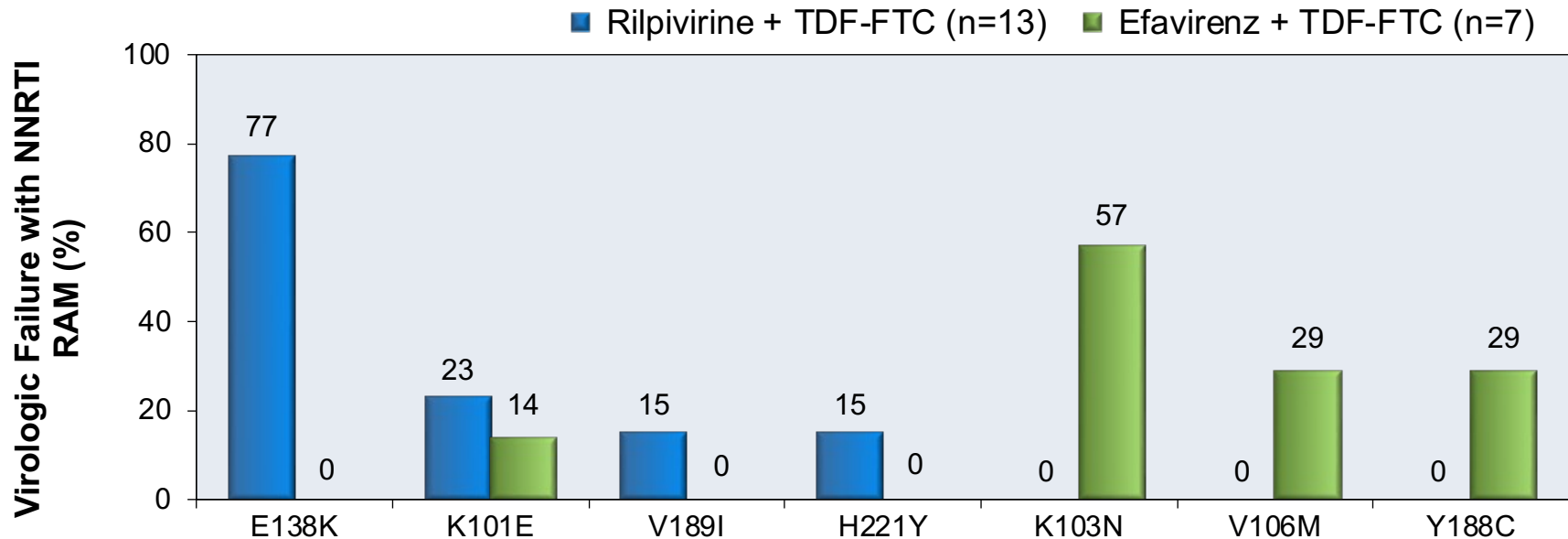
48 Week Virologic Failure and Discontinuations



# Rilpivirine + TDF-FTC versus Efavirenz + TDF-FTC

## THRIVE: Resistance Results

### Incidence of NNRTI Resistance Associated Mutations (RAMs)

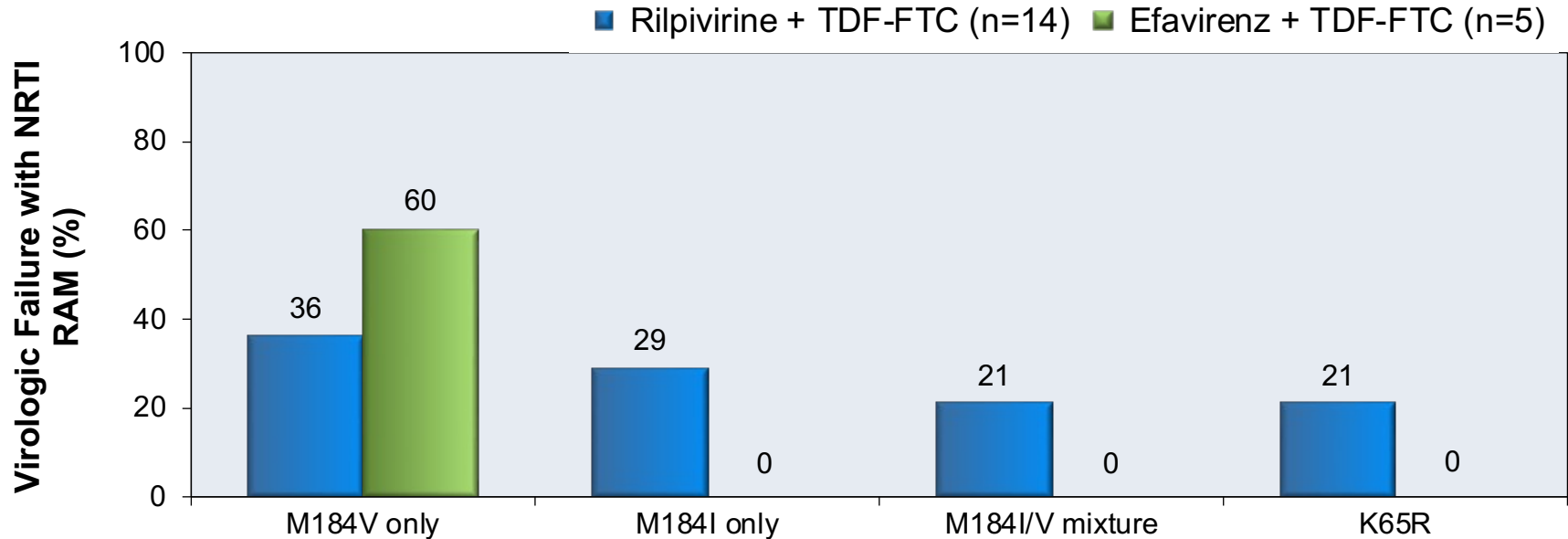


The percentages represent the number of participants who developed each specific NNRTI RAM out of the number of participants who developed any NNRTI RAM in that arm of the trial (the n listed at the top of the graph).

# Rilpivirine + TDF-FTC versus Efavirenz + TDF-FTC

## THRIVE: Resistance Results

### Incidence of NRTI Resistance Associated Mutations (RAMs)



The percentages represent the number of participants who developed each specific NRTI RAM out of the number of participants who developed any NRTI RAM in that arm of the trial (the n listed at the top of the graph).

# Rilpivirine + TDF-FTC versus Efavirenz + TDF-FTC

## THRIVE: Conclusions

**Interpretation:** “Despite a slightly increased incidence of virological failures, a favourable safety profile and non-inferior efficacy compared with efavirenz means that rilpivirine could be a new treatment option for treatment-naive patients infected with HIV-1.”

# Acknowledgments

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