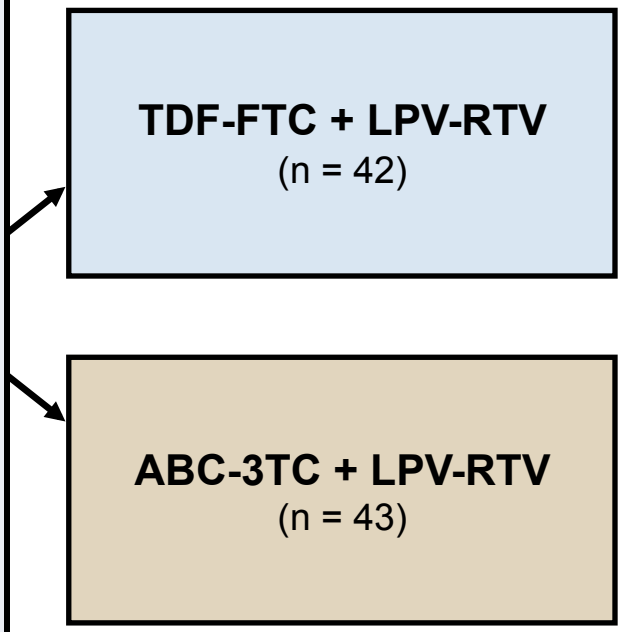
Switching to TDF-FTC from ABC-3TC for Hyperlipidemia

ROCKET II

Switching to TDF-FTC from ABC-3TC for Hyperlipidemia
ROCKET II: Study Design

Study Design: ROCKET II

- **Background**: Randomized, controlled, 12-week, phase IV trial to assess the effect on lipid profile of switching from abacavir-lamivudine plus lopinavir-ritonavir to tenofovir-emtricitabine plus lopinavir-ritonavir in patients with HIV infection and hyperlipidemia
- **Inclusion Criteria (n = 85)**
  - Age ≥18
  - HIV RNA <50 copies/mL for ≥12 weeks
  - Stable ART with ABC, 3TC, and LPV-RTV ≥24 weeks
  - Fasting total cholesterol ≥200 mg/dL on two tests ≥4 weeks apart
- **Treatment Arms**
  - TDF-FTC 300-200 mg QD + Lopinavir-ritonavir 200/50 mg as prescribed
  - ABC-3TC 600-300 mg QD + Lopinavir-ritonavir 200/50 mg as prescribed



Source: Behrens G, et al. Antivir Ther. 2012;17:1011-20.

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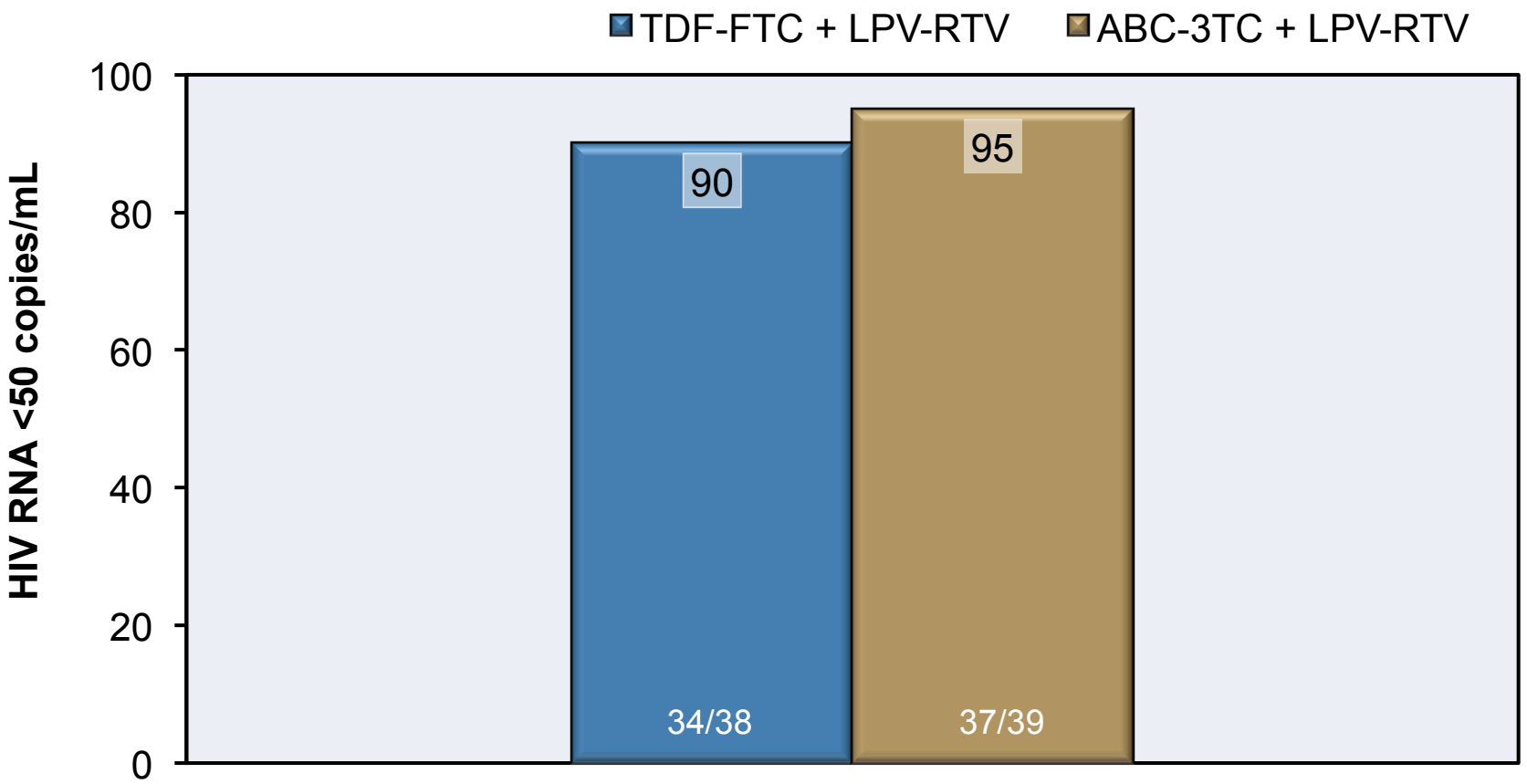
ROCKET II: Results

Week 12: Virologic Response (ITT, Missing=Failure)



Source: Behrens G, et al. Antivir Ther. 2012;17:1011-20.

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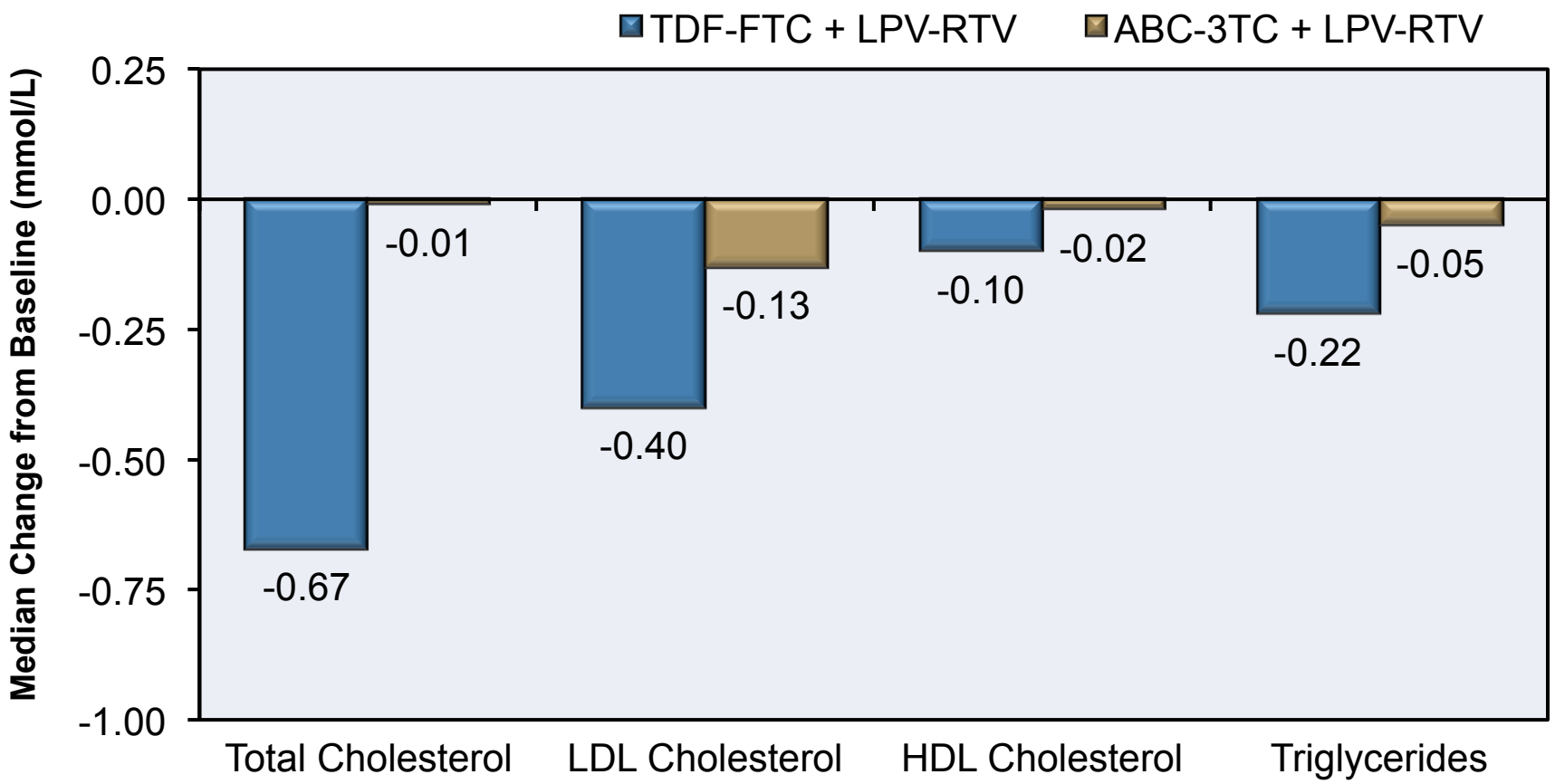
ROCKET II: Results

Week 12: Analysis of Fasting Lipids



Source: Behrens G, et al. Antivir Ther. 2012;17:1011-20.

Switching to TDF-FTC from ABC-3TC for Hyperlipidemia
ROCKET II: Conclusions

Conclusions: "Switching to TDF/FTC from ABC/3TC was associated with rapid improvements in fasting lipid parameters and continued virological control in patients receiving LPV/r as the third component of antiretroviral therapy. The effect of these changes on clinical end points remains unclear and would need to be evaluated in a longer-term study."

Source: Behrens G, et al. Antivir Ther. 2012;17:1011-20.

Acknowledgment

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National HIV Curriculum

AETC AIDS Education & Training Center Program
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