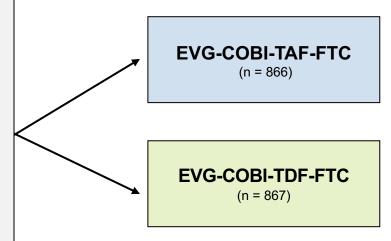
# EVG-COBI-TAF-FTC versus EVG-COBI-TDF-FTC Study 104 and Study 111



## EVG-COBI-TAF-FTC versus EVG-COBI-TDF-FTC Study 104/111: Design

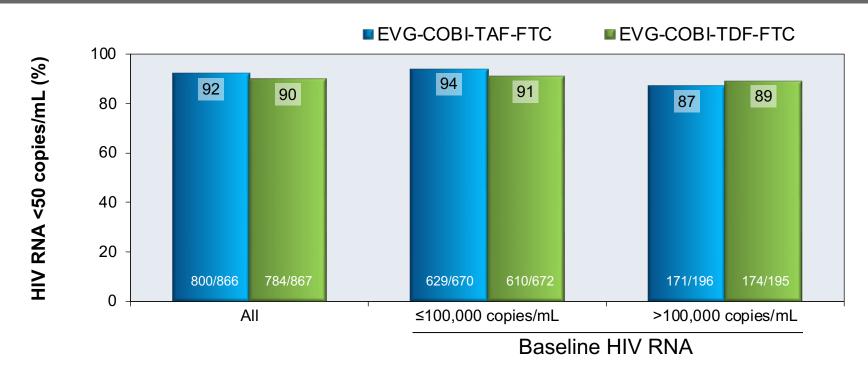
- Background: Randomized, double-blind, phase 3 trial comparing elvitegravir-cobicistat-tenofovir alafenamide-emtricitabine with elvitegravircobicistat-tenofovir DF-emtricitabine
- Inclusion Criteria (n = 1,733)
  - Antiretroviral-naïve patients
  - Age >18
  - HIV RNA ≥1000 copies/mL
  - Any CD4 count allowed
  - No AIDS conditions in prior 30 days
- Treatment Arms
  - Elvitegravir-Cobicistat-TAF-FTC
  - Elvitegravir-Cobicistat-TDF-FTC





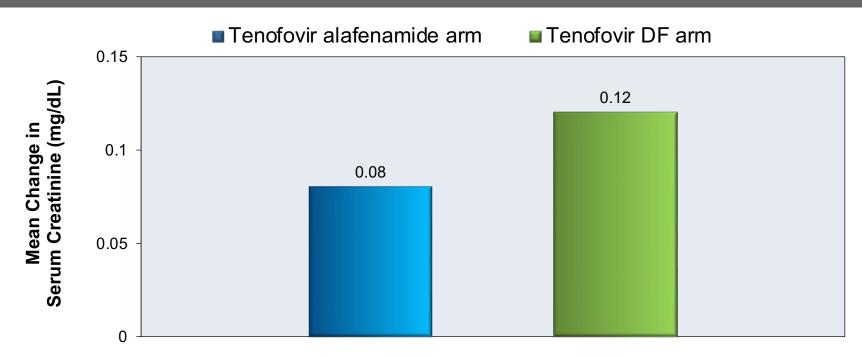
### EVG-COBI-TAF-FTC versus EVG-COBI-TDF-FTC Study 104/111: Result

#### Week 48 Virologic Response



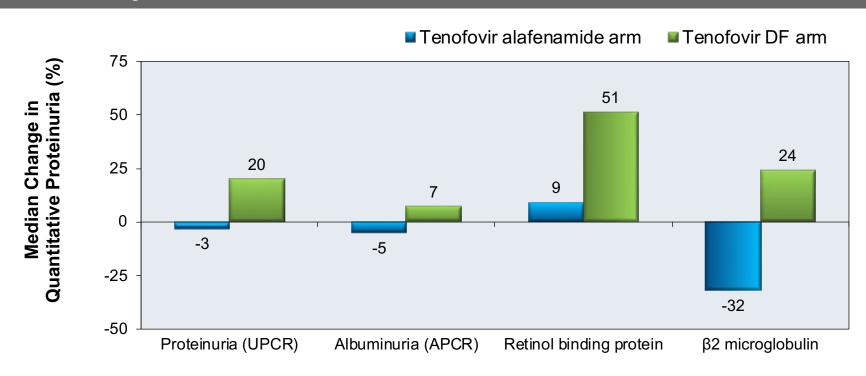


Week 48 Change in Serum Creatinine from Baseline



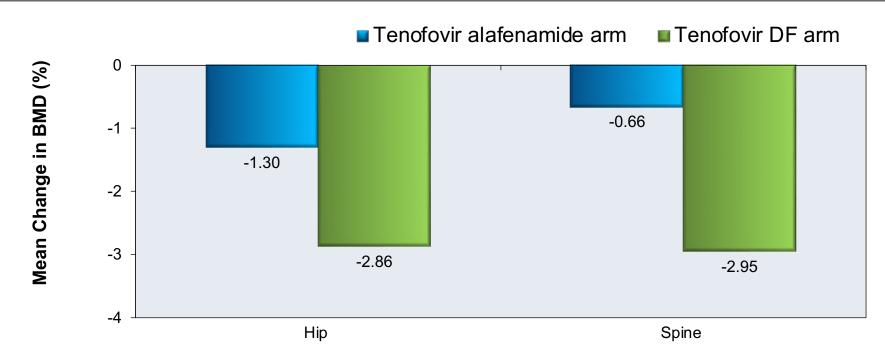


Week 48 Changes in Quantitative Proteinuria from Baseline





Week 48 Changes in Spine and Hip Bone Mineral Density (BMD)





Week 48 Changes in Lipid Parameters

Median Change from Baseline to Week 48	EVG-COBI-TAF-FTC (n = 866)	EVG-COBI-TDF-FTC (n = 867)	P Value
Total cholesterol	+29	+14	<0.001
LDL	+14	+5	<0.001
HDL	+8	+4	<0.001
Triglycerides	+19	+8	0.027
Total cholesterol:HDL ratio	+0.1	+0.1	0.84



#### EVG-COBI-TAF-FTC versus EVG-COBI-TDF-FTC Study 104/111: Conclusions

Interpretation: "Through 48 weeks, more than 90% of patients given E/C/F/tenofovir alafenamide or E/C/F/tenofovir disoproxil fumarate had virological success. Renal and bone effects were significantly reduced in patients given E/C/F/tenofovir alafenamide. Although these studies do not have the power to assess clinical safety events such as renal failure and fractures, our data suggest that E/C/F/tenofovir alafenamide will have a favourable long-term renal and bone safety profile."



#### Acknowledgments

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