



A Phase IV Open-Label Evaluation of Safety and Tolerability of Coformulated Bictegravir/Emtricitabine/Tenofovir Alafenamide for Post-exposure Prophylaxis Following Potential Exposure to HIV-1

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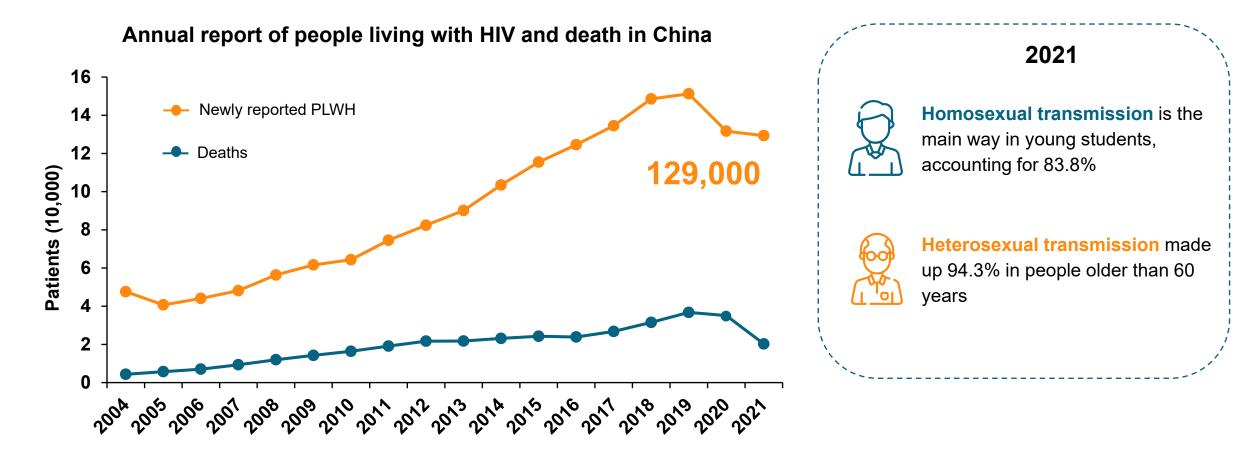


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Background Prevalence of HIV in China



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- In studies with people living with HIV (PLWH), BIC/FTC/TAF was effective, well-tolerated, and convenient, while there is only limited data on BIC/FTC/TAF for PEP, especially in China
- The latest Chinese Guideline for Diagnosis and Treatment of HIV/AIDS (2021 Edition) updated recommendation for PEP regimens, which include BIC/FTC/TAF
- Older PEP regimen may cause various side effects which may impact the completion of 28-day course, including cutaneous allergy, gastrointestinal disorders, and hepatorenal toxicity. Although these adverse effects are generally not severe, a meta-analysis demonstrates that only 56.6% of PEP users completed the full standard 28-day course of therapy



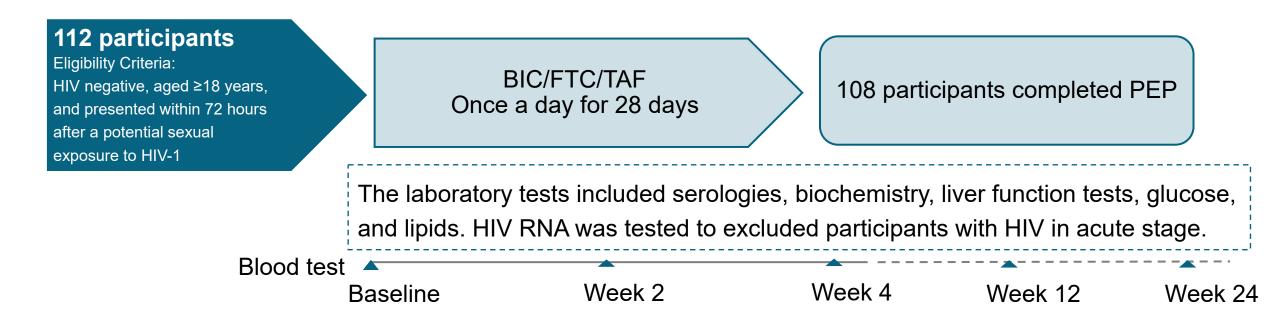


To evaluate the safety, tolerability, and adherence of BIC/FTC/TAF when used as a 28-day PEP regimen in China



Study Design

A prospective, open-label, single-arm trial conducted in the STD/AIDS clinic of Beijing Youan Hospital, from May 2021 to February 2022





Baseline Characteristics

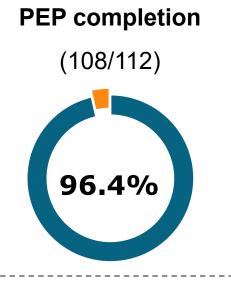
Demographic and Behavioral Risk Profile of Participants Who Used BIC/FTC/TAF for Postexposure Prophylaxis (N = 112)

N=112	Mean \pm SD
Age (years)	30 (8)
Male, n (%)	109 (97.3)
Type of exposure, n (%)	
Anal sex	58 (51.8)
Vaginal intercourse	43 (38.4)
Oral sex	29 (25.9)
Time from exposure (h)	27.5 ± 18.8
≤24 h, n (%)	54 (48.2)
24-48 h	45 (40.2)
48-72 h	13 (11.6)



Results

No participant was found to acquire HIV through week 24



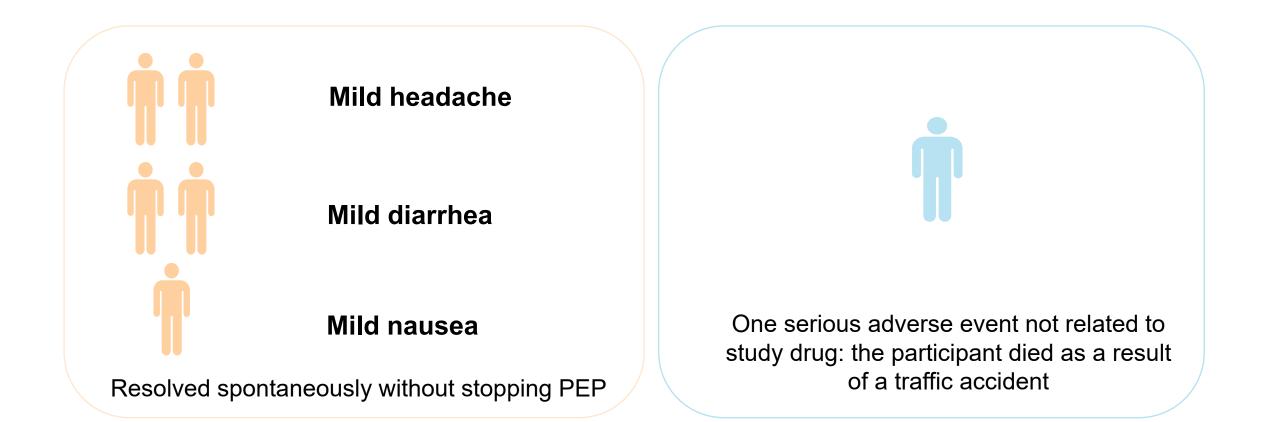
- Two participants stopped PEP because the source partner was found to be HIV negative;
- One participant was excluded due to HBV positive;
- One discontinued due to participant's decision;

Self-reported adherence to all expected doses (n=108) 98.9%

Pill count data adherence to all expected doses (n=95) 98.5%









Conclusion

- Compared with previous reported data, the once-daily, single-tablet regimen of BIC/FTC/TAF used as PEP for 28 days was safe and well tolerated, with high levels of adherence and completion rates
- BIC/FTC/TAF may be a good option for PEP



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Thank You

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