Additional file 3 Summary of ongoing studies

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| --- | --- | --- | --- | --- | --- | --- |
| **ID** | **Name of intervention** | **Design** | **Age group** | **Estimated sample size** | **Country & Setting** | **Outcomes** |
| Agwu (2018) | Tech2Check - technology-enhanced community health nursing intervention | RCT – parallel group | 12-25 | 120 | USAHigh incomeUrbanHome/community | **Viral suppression** **Health care utilisation** **Management cost difference**  |
| Amico (2019) | TERA (Triggered Escalating Real-Time Adherence) | RCT – parallel group | 13-24 | 120 | USAHigh incomeUrbanICT | **HIV stigma mechanisms****Confidence** **Social support** **Adherence**e**Health related quality of life** **Mental health** – Depression, life events**Emotional health** – Emotional regulation **Health/risk behaviours -** Sex behavior**Self-care abilities** - Substance use**Viral suppression** **Services utilisation**  |
| Belzer (2018)Naar (2019) | Text message/Cell Phone support (SMART)/Scale-it-Up programme | RCT – parallel group | 15-24 | 190 | USAHigh incomeUrbanHome | **Adherence** **Viral suppression****Self-care abilities** - Substance use**Mental Health** - Depression |
| Donenberg (2019) | IMPAACT – Trauma informed CBT | RCT – parallel group | 15-19 | 256 (128 youth and caregivers per arm) | Botswana, South Africa, Zimbabwe and MalawiMiddle to low incomeUrban/ruralHealth facility | **Mental Health** – Anxiety, post traumatic stress**Adherence** **Viral suppression**  |
| Horvath (2019)Amico (2017) | YouThrive | RCT – parallel group | 15-24 | 300 (150 per group) | USAHigh incomeUrbanHome  | **Confidence -** Adherence self-efficacy and adherence support**HIV stigma****Social support****Adherence** **Viral suppression** **Health care utilisation** **Health/risk behaviour** – sexual behaviour and relationship status**Self-care abilities** – substance use**Mental health****Emotional health** – emotional regulation **Technology adoption and use** |
| Mimiaga (2018) | Positive STEPS | RCT – parallel group | 16-29 | 192 (96 per group) | USAHigh IncomeUrbanHealth facility | **Adherence** **Viral suppression** **Secondary outcomes:** social support, self-efficacy, self-regulation, and motivation / outcome expectancies |
| Outlaw (2016)  | Motivational Enhancement System for Adherence (MESA) | RCT – parallel group | 16-24 | 200 | USAHigh incomeUrbanHome/ICT | **Knowledge –** HIV treatment knowledge**Confidence**  - Motivation, behavioral skills/confidence to take medication**Social support** **Adherence** **Viral suppression****CD 4 count****Self-care abilities** – substance use**Mental health**  |
| Rotheram 2019 Arnold 2019 | Stepped Care intervention | RCT – parallel group | 12-24 | 220 (110 per group) | USAHigh incomeUrbanHome & Health facility | **Adherence** **Viral suppression****Health care utilisation** **Health/risk behaviour** – sexual behaviour**Self-care abilities** - alcohol use and substance use**Mental health****Health care costing** |
| Sam-Agudu (2017)[[1]](#footnote-1) | Adolescent Coordinated Transition | Cluster RCT – parallel group | 13-17 | 276 | NigeriaMiddle incomeUrban/ruralHealth facility | **Social support** **Mental health** **Viral suppression****Health/risk behaviours** - Sexual risk behavior**Transition Readiness[[2]](#footnote-2)**  |
| Sibinga (2018) | Mindfulness-based stress reduction (MBSR) | RCT – parallel group | 13-24 | 170 (85 per group) | USAHigh incomeUrbanHealth facility | **Knowledge**  - illness cognition**Mindfulness****Mental health**.**Emotional health****Adherence****Health/risk behaviour** – sex behaviour**Health care utilisation** |
| Subramanian (2019) [[3]](#footnote-3) | Integrated Care Delivery of HIV Prevention and Treatment (SHIELD - Support for HIV Integrated Education, Linkages to Care, andDestigmatization)  | Cluster RCT – parallel group | HIV cohort: 16-24 | HIV cohort: 160-170 | ZambiaLow incomeUrbanHealth facility (unclear) | **Adherence** **Viral suppression****Health care utilisation**  |

1. According to the main author, this project was not completed [↑](#footnote-ref-1)
2. Not part of the outcomes of this review, but included for completeness [↑](#footnote-ref-2)
3. This study has a HIV negative and an HIV positive cohort – the interventions aspects presented here are for the HIV positive cohort [↑](#footnote-ref-3)