**Supplemental Digital Content 2. Interview guide for MSM, CBO workers, and CDC officers**

**Interview Guide for MSM**

Q1. Have you ever taken (or performed) an HIV self-test?

[If answer is "yes," please go through all the questions in Q2, if the answer is "no," please skip to Q3.]

Q2. Tell me about your last experience of taking an HIV self-test.

1. Where did you get information about HIV self-testing (HIVST)?
2. What was your feeling when you heard or saw the information about HIVST?
3. How did you make the decision to take an HIV self-test?
4. What type of delivery method did you choose to receive your self-test e.g., mail, pick-up?
5. What do you think about this type of delivery method?
6. Where did you perform the HIVST? Was anyone with you?
7. What was your experience like performing this test?
8. What was your thoughts and reactions when you saw the testing result?
9. What do you think are the advantages of self-testing compared to site-based testing?
10. What do you think are the disadvantages of self-testing compared to site-based testing?
11. What do other MSM and your friends think about taking HIVST?

Would you consider taking another HIV self-test in the future?

1. Do you have other perceptions or thoughts that you want to share with me in relation to HIVST?

Q3. Tell me about the last time you heard about, read, or received any information about HIVST.

1. Where did you hear or see about HIVST the last time?
2. What did others say (to you) about self-testing?
3. What were your thoughts during that time?
4. How did you make the decision not to take an HIV self-test (concerns related to delivery methods, administrating process, how to read the results, confidence in the results, linkage to care)?
5. What do you think the advantages of self-testing are compared to site-based testing?
6. What do you think the disadvantages of self-testing are compared to site-based testing?
7. What do others in the gay community and your friends think about HIVST?
8. Would you consider taking an HIV self-test in the future?
9. Do you have other perceptions or thoughts that you want to share with me in relation to HIVST?

**Interview Guide for CBO Workers**

1. What delivery method do you use to distribute the HIVST kits?
2. How does that work for you?
3. Do you know other delivery methods? What do you think about those methods compared to the one you used?
4. What kinds of support do you provide after their self-testing?
5. How does that support work for them?
6. What kinds of support should be provided to them after their self-testing?
7. What do you think are the potential facilitators for MSM to accept the HIVST kits?
8. What do you think are the potential barriers for MSM that lead to refusal to accept HIVST kits?
9. Is there anything else you would like to say about self-testing?

**Interview Guide for CDC Officers**

1. What is the situation for HIV testing coverage among MSM in China as well as in Hunan province?
2. What is the current policy toward HIV testing among Chinese MSM?
3. How do you think of HIVST as a potential way to increase HIV testing among MSM?
4. What do you think is the feasibility?
5. What do you think is the acceptability?
6. What do you think are the advantages and disadvantages of HIVST?
7. What are the current strategies to promote HIVST in Hunan province?
8. How do you evaluate the current strategies to deliver or promote HIVST?
9. What is your suggestion for promoting HIVST among MSM in China?
10. What are the challenges to promoting HIVST among MSM in China?

*Note.* MSM = men who have sex with men; CBO = Community Based Organization; CDC = Centers for Disease Control and Prevention.