

**RETROVIRUS EPIDEMIOLOGY DONOR STUDY-II (REDS-II)
HBV/HCV RISK FACTOR QUESTIONNAIRE**

You are being asked to take part in a research survey which is jointly conducted by _____ Red Cross Blood Center, Institute of Blood Transfusion (of Chinese Academy of Medical Sciences), the Johns Hopkins School of Medicine and the United States National Institute of Health. The objective of this survey is to learn about the risk factors for HBV and HCV infection among blood donors. Results from this survey will be used to design more effective mechanisms to further improve blood safety.

Information provided by our volunteer blood donors is very valuable in further improving blood safety. We appreciate your participation in the questionnaire study. We would like to ask you some questions about your health and lifestyles. It will take about 20 minutes to complete these questions. In order to protect your confidentiality, your name and other personal identifiable information will not be asked. You are assigned a study number. Your answers will be identified by your study number, not by any of your personal information. Protecting donors' privacy and confidentiality is a very important goal of our work. This study protocol has been reviewed and approved by research ethic committees at Chinese Academy of Medical Science and Johns Hopkins School of Medicine.

Your participation is voluntary. You have the right to not answer any question or withdraw at any time. But we would like you to be as complete and truthful as possible for those questions you do answer. After you finish the questionnaire, please mail it directly to us using the enclosed pre-addressed, postage-paid return envelope. To protect your privacy, please do not write down your name on the questionnaire or the envelope. In stead of filling this form, you may also complete this survey online at our website: www.feimc.com.cn.)

Please be aware that the questionnaire is only used for the purpose of identifying risk factors for viral hepatitis, and not for any other purposes, such as disease diagnosis. This survey includes donors who may or may not have had preliminary abnormal results from donor screening. If you had a preliminary abnormal test result, you should have been notified by our blood center. In this case, please follow blood center's advice to seek further testing if you have not already done so. But if you have not received notification from the blood center for further testing, you may not need to do so because your donor screening test results were normal.

Thank you for taking the time to help us with this important study. Please accept the RMB 10 as a token of our gratitude for your effort. If you have any question about the study, please call local blood center at _____. Thanks for your contribution to blood safety.

Date: ____/____/____ (M M / D D / Y Y Y Y)

Study identification number: __ - __ _ _ _ _ _ - __

1. When were you born?	19__ __ (year)
2. What is your gender?	1 <input type="checkbox"/> Female 2 <input type="checkbox"/> Male
3. What is your place of birth?	_____ City/county Province
4. What is your ethnicity?	1 <input type="checkbox"/> Han 2 <input type="checkbox"/> Hui 3 <input type="checkbox"/> Uygur 4 <input type="checkbox"/> Man 5 <input type="checkbox"/> Dai 6 <input type="checkbox"/> Other, specify _____
5. What is your current occupation?	1 <input type="checkbox"/> Worker 2 <input type="checkbox"/> Farmer 3 <input type="checkbox"/> Business 4 <input type="checkbox"/> Service 5 <input type="checkbox"/> Education/research/government 6 <input type="checkbox"/> Military/Police 7 <input type="checkbox"/> Medicine/Health care 8 <input type="checkbox"/> Student 9 <input type="checkbox"/> Other, specify _____
6. What is the highest level of education you have received?	1 <input type="checkbox"/> Primary school or less 2 <input type="checkbox"/> Junior high school 3 <input type="checkbox"/> High School or vocational school 4 <input type="checkbox"/> Bachelor's degree 5 <input type="checkbox"/> Graduate level degree 6 <input type="checkbox"/> Other, specify _____
7. What is your marital status?	1 <input type="checkbox"/> Never married 2 <input type="checkbox"/> Married 3 <input type="checkbox"/> Divorced 4 <input type="checkbox"/> Separated 5 <input type="checkbox"/> Widowed 6 <input type="checkbox"/> Other, specify _____

<p>8. How many times have you donated blood?</p> <p>a. Year and type of each blood donation (If you have donated blood more than 4 times, please list the most recent three)</p>	<p>___ __ time (s)</p> <p>1. ___ __ __ __ (year) Donation type: <input type="checkbox"/> Whole blood donation <input type="checkbox"/> Apheresis donation</p> <p>2. ___ __ __ __ (year) Donation type: <input type="checkbox"/> Whole blood donation <input type="checkbox"/> Apheresis donation</p> <p>3. ___ __ __ __ (year) Donation type: <input type="checkbox"/> Whole blood donation <input type="checkbox"/> Apheresis donation</p>
<p>9. How much do you agree or disagree about phrases below:</p> <p>a. It's important that I received blood test results from blood donation.</p> <p>b. I think blood donation is a good, fast, anonymous way to get my blood test.</p> <p>c. One of my reasons for donating blood is to find out if I have HIV and/or hepatitis infection.</p>	<p>1 <input type="checkbox"/> Do not agree at all 2 <input type="checkbox"/> Disagree a little 3 <input type="checkbox"/> Agree a little 4 <input type="checkbox"/> Agree very much</p> <p>1 <input type="checkbox"/> Do not agree at all 2 <input type="checkbox"/> Disagree a little 3 <input type="checkbox"/> Agree a little 4 <input type="checkbox"/> Agree very much</p> <p>1 <input type="checkbox"/> Do not agree at all 2 <input type="checkbox"/> Disagree a little 3 <input type="checkbox"/> Agree a little 4 <input type="checkbox"/> Agree very much</p>
<p>10. Have you ever received acupuncture treatment?</p> <p>a. In the 12 months before your most recent donation, did you have acupuncture?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a 2 <input type="checkbox"/> No → SKIP TO 11 99 <input type="checkbox"/> Unknown → SKIP TO 11</p> <p>1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 99 <input type="checkbox"/> Unknown</p>
<p>11. In the 12 months before your most recent donation, did you have any injection (including intravenous and intramuscle injections)?</p> <p>a. How many times did you have injection(s)?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a 2 <input type="checkbox"/> No → SKIP TO 12 99 <input type="checkbox"/> Unknown → SKIP TO 12</p> <p>___ __ times</p>

<p>12. Have you had any finger sticks?</p> <p>a. In the 12 months before your most recent donation, did you have finger sticks?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 13</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 13</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>13. Have you ever had in-patient medical surgery?</p> <p>a. In the 12 months before your most recent donation, did you have in-patient medical surgery?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 14</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 14</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>14. Have you ever had out-patient medical surgery?</p> <p>a. In the 12 months before your most recent donation, did you have out-patient medical surgery?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 15</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 15</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>15. Have you ever had cosmetic surgery (e.g. laser, eye/lip surgery, collagen injection, dermal abrasion)?</p> <p>a. In the 12 months before your most recent donation, did you have cosmetic surgery?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 16</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 16</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>16. Have you ever received a blood transfusion?</p> <p>a. How many times did you have blood transfusions?</p> <p>b. Year of your first time of blood transfusion?</p> <p>c. Year of your last time of blood transfusion?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER a, b AND c</p> <p>2 <input type="checkbox"/> No → SKIP TO 17</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 17</p> <p>___ ___ times</p> <p>___ ___ ___ (year)</p> <p>___ ___ ___ (year)</p>

<p>17. Have you ever had any dental cleaning?</p> <p>a. In the 12 months before your most recent donation, did you have dental cleaning?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 18</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 18</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>18. Have you ever had any dental surgery, such as root canal treatment or tooth extraction?</p> <p>a. In the 12 months before your most recent donation, did you have dental surgeries?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 19</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 19</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>19. Have you ever had any endoscopy (such as gastroscopy and colonoscopy)?</p> <p>a. In the 12 months before your most recent donation, did you have endoscopies?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 20</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 20</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>20. When you had acupuncture, finger sticks, or injections, were needles and syringes used disposable?</p>	<p>1 <input type="checkbox"/> Seldom</p> <p>2 <input type="checkbox"/> Sometimes</p> <p>3 <input type="checkbox"/> Often</p> <p>4 <input type="checkbox"/> Always</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>21. Have you ever been told that you are at risk for spreading diseases through your blood?</p>	<p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>22. Have you ever been deferred as a blood donor?</p> <p>a. For what reason were you deferred?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 23</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 23</p> <p>Specify _____</p>

<p>23. Have you ever been previously diagnosed with hepatitis?</p> <p>a. What type(s) of hepatitis did you have?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 24</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 24</p> <p>1 <input type="checkbox"/> HAV</p> <p>2 <input type="checkbox"/> HBV</p> <p>3 <input type="checkbox"/> HCV</p> <p>4 <input type="checkbox"/> Other, specify _____</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>24. Have you ever been previously diagnosed with syphilis, gonorrhea, or any other sexually transmitted disease?</p>	<p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>25. Have any of your family members had hepatitis?</p>	<p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>26. Have any of your family members had HIV/AIDS?</p>	<p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>27. Have you ever had household contact with someone with hepatitis or HIV/AIDS?</p> <p>a. In the 12 months before your most recent donation, did you have household contact with someone with hepatitis or HIV/AIDS?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 28</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 28</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>28. Have you ever used needles to shoot street drugs?</p> <p>a. How long have you shot drugs?</p> <p>b. How many times per month did you shoot drugs?</p> <p>c. Have you ever shared needles or syringes with others to inject street drugs?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER a, b AND c</p> <p>2 <input type="checkbox"/> No → SKIP TO 29</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 29</p> <p>__ __ years</p> <p>__ __ times/month</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>

<p>29. Have you ever used illegal oral or intranasal drugs without doctor's prescription?</p> <p>a. In the 12 months before your most recent donation, did you use illegal oral or intranasal drugs without doctor's prescription?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 30</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 30</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>30. Have you ever lived with a person with illegal injection?</p> <p>a. In the 12 months before your most recent donation, did you live with a person with illegal injection?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 31</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 31</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>31. Are any of your close friends or family members intravenous drug users?</p>	<p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>32. Have you had 2 or more sexual partners of the opposite sex?</p> <p>a. How many heterosexual partners did you have?</p> <p>b. How often do you or your sex partner use a condom when you have sex with your heterosexual partner?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER a AND b</p> <p>2 <input type="checkbox"/> No → SKIP TO 33</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 33</p> <p>1 <input type="checkbox"/> 2-4</p> <p>2 <input type="checkbox"/> 5-7</p> <p>3 <input type="checkbox"/> 8-10</p> <p>4 <input type="checkbox"/> >10</p> <p>1 <input type="checkbox"/> Never</p> <p>2 <input type="checkbox"/> Sometimes</p> <p>3 <input type="checkbox"/> Half of time</p> <p>4 <input type="checkbox"/> Most of time</p> <p>5 <input type="checkbox"/> Always</p>

<p>33. (For male only) In your lifetime, have you ever had sex with another male?</p> <p>a. How many times did you have sex with males?</p> <p>b. How many male partners have you had sex with?</p> <p>c. How often do you or your sex partner use a condom when you have sex with male partner?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER a, b AND c</p> <p>2 <input type="checkbox"/> No → SKIP TO 34</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 34</p> <p>___ __ times</p> <p>___ __ partners</p> <p>1 <input type="checkbox"/> Never</p> <p>2 <input type="checkbox"/> Sometimes</p> <p>3 <input type="checkbox"/> Half of time</p> <p>4 <input type="checkbox"/> Most of time</p> <p>5 <input type="checkbox"/> Always</p>
<p>34. Have you ever paid or received money for having sex?</p> <p>a. How many times have you paid or received money for having sex?</p> <p>b. In the 12 months before your most recent donation, did you pay or receive money for having sex?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER a AND b</p> <p>2 <input type="checkbox"/> No → SKIP TO 35</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 35</p> <p>___ __ times</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>35. Have you ever had a sex partner that was an intravenous drug user?</p> <p>a. In the 12 months before your most recent donation, did you have a sex partner that was an intravenous drug user?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 36</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 36</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>36. In the past ten years, have you ever had a sex partner who had a positive test for syphilis, gonorrhea, or any other sexually transmitted disease?</p> <p>a. In the 12 months before your last donation, did you have a sex partner who had a positive test for syphilis, gonorrhea, or any other sexually transmitted disease?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 37</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 37</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>

<p>37. In the past ten years, have you ever had a sex partner who had been diagnosed with hepatitis or HIV/AIDS?</p> <p>a. In the 12 months before your most recent donation, did you have a sex partner who had been diagnosed with hepatitis or HIV/AIDS?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 38</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 38</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>38. In the past one year, have you had sexual contact with anyone who received blood transfusion?</p> <p>a. In the 12 months before your most recent donation, did you have sexual contact with anyone who received blood transfusion?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 39</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 39</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>39. Have you ever contacted with human blood and other human body fluids in your workplace?</p> <p>a. In the 12 months before your most recent donation, did you contact with human blood and other human body fluids in your workplace?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 40</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 40</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>40. Have you ever had a tattoo?</p> <p>a. In the 12 months before your most recent donation, did you have a tattoo?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 41</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 41</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>
<p>41. Have you ever had your ears or other body parts pierced?</p> <p>a. In the 12 months before your most recent donation, did you have your ears or other body parts pierced?</p>	<p>1 <input type="checkbox"/> Yes → ANSWER QUESTION a</p> <p>2 <input type="checkbox"/> No → SKIP TO 42</p> <p>99 <input type="checkbox"/> Unknown → SKIP TO 42</p> <p>1 <input type="checkbox"/> Yes</p> <p>2 <input type="checkbox"/> No</p> <p>99 <input type="checkbox"/> Unknown</p>

42. Did you receive notification from blood center about your infection status?

1 Yes → **ANSWER a AND b**

2 No → **END**

99 Unknown → **END**

a. Did you seek further testing or health care according to the instruction of the notification?

1 Yes → **END**

2 No → **ANSWER QUESTION b**

99 Unknown → **END**

b. Are you planning to seek further testing or health care according to the instruction of the notification?

1 Yes

2 No

99 Unknown

Thank you very much for your participation!