## Hyderabad DKA study

(Funded by the Wellcome Trust, U.K)

## CLINIC QUESTIONNAIRE

## Version 2


(Apply biochemistry id label here)

1= Indian Migrant Study
Subject type: $\square$
2=Hyderabad Nutrition Trial

Participant info:
Name:
Date of birth: $\qquad$
Time of glucose load: $\qquad$ :

| Consent form | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | Questionnaire | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| :--- | :--- | :--- | :--- |
| First blood | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | Anthropometry | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| Second blood | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | Doctor | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| DXA | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | Reimbursement | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |


| DXA needed | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | Second blood <br> needed | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| :--- | :--- | :--- | :--- |

Supported by

NATIONAL INSTITUTE OF NUTRITION, HYDERABAD, India LONDON SCHOOL OF HYGIENE \& TROPICAL MEDICINE, U.K.

Address (Lane, Town, State, Pin Code)

I, $\qquad$ exercising my free power of choice, hereby give my consent to be included as a subject in the clinical study "Nutritional challenges, abdominal adiposity and type 2 diabetes in Indians".

- For the examination today we will ask you to undertake the following: interview, measurement of body size, DXA scan and a visit with the doctor. We will also ask you to give up to two blood samples. The examination will last until the afternoon.
- I am free to participate or not to participate in this study.
- The purpose of this study was explained to me in my own language.
- I have been given the opportunity to ask questions and reply was given for all the questions to my satisfaction.
- I have been informed by the investigators about the process including the nature, objective and known and likely inconveniences related to this study and I have understood them.
- My medical data are strictly confidential and I only authorise the persons, involved in the research, identified by the sponsor or health authorities to consult about the same.
- By signing this form, I give my free and informed consent to take part in this study as outlined in the information sheet and this consent form. Specifically, I agree to being interviewed, examined and having blood drawn. I agree to my information, including results of blood tests, to be used in research.
- I give permission for any blood that is left over after the tests to be stored and used for further laboratory tests for medical research
- I understand that future research using the sample I give may include genetic research aimed at understanding genetic influences on diseases but the results of these investigations are unlikely to have any implications for you personally
- I understand that for all practical purposes I may not gain anything by participating in the study though in the long run it may be beneficial to the community.
- I understand that I can withdraw from the study at any point without giving any reasons and withdrawing from the study will not affect me in any way.
- I understand that I will receive a very small radiation dose from the DXA scan, so I should not have this scan if I am pregnant.
- I have been given a copy of the information sheet and consent form to keep. By signing this form I have not given up my legal rights.

Printed name of the Participant $\qquad$ Signature of the Participant ___

Date $\qquad$

Printed name of the Investigator $\qquad$
Signature of the Investigator $\qquad$ Date $\qquad$


|  | Blood sampling |  |  |
| :---: | :---: | :---: | :---: |
| 2.1 | Any illness within the last week? | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |  |
| 2.2 If yes, specify what illness: |  |  |  |
| 2.3 | (a) Was this illness or some <br> other reason responsible for <br> reduction in food intake over $\square$1=No reduction <br> 2=Minor reduction <br> 3=Major reduction <br> the last week?  |  |  |
|  | (b) Do you have diabetes? | [1=Yes; 2=No] [IF YES, DO NOT GIVE GLUCOSE LOAD OR TAKE SECOND BLOOD] |  |
|  | (c) Are you pregnant? | $\square$ [1=Yes; 2=No] [ IF YES, DO NOT GIVE GLUCOSE LOAD OR TAKE SECOND BLOOD ] |  |
| 2.4 | Day of last meal | $\square$ [1=Today; 2=Yesterday] |  |
| 2.5 | Time of last meal | [Hours: minutes; 24-hour clock] |  |
| 2.6 | Time blood taken: sample 1 | $\square \square: \square \square$ [Hours: minutes; 24-hour clock] |  |
| 2.7 | Glucose load given | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |  |
| 2.8 | Time glucose load | [Hours: minutes; 24-hour clock] |  |
| 2.9 | Time blood taken: sample 2 | $\square \square: \square \square$ [Hours: minutes; 24-hour clock] |  |
|  | Success in blood sampling | (a) Volume | (b) Clot formation |
| 2.10 | Red capped tube | [1=No; 2=Partial; 3=Complete] | [1=Yes; 2=No] |
| 2.11 | Purple capped tube 1 | $\square[1=\mathrm{No}$; 2=Partial; 3=Complete] | [ $1=\mathrm{Yes;}$ 2=No] |
| 2.12 | Grey capped tube | $\square$ [1=No; 2=Partial; 3=Complete] | $[1=\mathrm{Yes} ; 2=\mathrm{No} \text { ] }$ |
| 2.13 | Purple capped tube 2 | [1=No; 2=Partial; 3=Complete] | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| 2.14 | Grey capped tube 2 | [1=No; 2=Partial; 3=Complete] | [1=Yes; 2=No] |
| 2.15 | (a) Any other comments on blood sample | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |  |
|  | (b) If yes, specify |  |  |


|  | Interview details |  |  |
| :---: | :---: | :---: | :---: |
| 3.1 | Date of quest. completion | 1 |  |
| 3.2 | Time of quest. Completion | $1: L$ | [Hours: minutes; 24-hour clock] |
| 3.3 | Interviewer code | $\square$ |  |
| 3.4 | Interviewer initials | $ـ$ |  |
|  | First of all I would like to collect some details about you and where you live at present |  |  |
|  | Contact details | [Surname] |  |
| 4.1 | Family name |  |  |
| 4.2 | First name/middle name | [Forename/other name] |  |
| 4.3 | Current house address (if any) [House No./Street/Locality] |  |  |
| 4.4 | Place name |  |  |
|  |  | [Name of Village/Town/City] |  |
| 4.5 | PIN Code |  | $\square$ |
| 4.6 | Sub-district | [Tehsil/Taluk/Mandal/Municipality] |  |
| 4.7 | District |  |  |
| 4.8 | Nearest railway station |  | - |
| 4.9 | Nearest big town | [In case of village only] |  |
| 4.10 | State | [Name of country if abroad] |  |
| 4.11 | Type of place | $\square[1=$ Villag | 2=Town; 3=Small city; 4=Large city] |
| 4.12 | $\begin{array}{l}\text { Travelling by road or rail, total average journey } \\ \text { time between this place and NIN }\end{array}$ $\square \square \square$ [In completed hours] |  |  |
| 4.13 | Census code | $\square \square \square \square \square$ |  |
| 4.14 | Home telephone number (landline) | [Area code] | [Phone number] |
| 4.15 | Mobile number | $\square \square \square \square \square$ | $\square \square \square \square \square$ |


|  | Now I would like to collect some personal information about you |  |
| :---: | :---: | :---: |
|  | Personal details |  |
| 5.1 | Age last birthday | [In completed years] |
| 5.2 | Day of birth | [DD] |
| 5.3 | Month of birth | [MM] |
| 5.4 | Year of birth | [YYYY] |
| 5.5 | Sex | [1=Male; 2=Female] |
| 5.6 | (a) How many brothers (alive) do you have? | [Enter 00 if None] |
|  | (b) How many sisters (alive) do you have? | $\square$ [Enter 00 if None] |
|  | (c) What was your birth order in your family? | $\square$ |
|  | (d) Do you have a twin brother or sister? | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| 5.7 | Current marital status | 1=Never married <br> 2=Married <br> 3=Widow/widower <br> 4=Separated/divorced |
| 5.8 | If ever married: |  |
|  | (a) How old were you when you first started living with your spouse after your marriage? |  |
|  | (b) Does your spouse normally live with you now? | [ $1=\mathrm{Yes} ; 2=\mathrm{No}$ ] |
| 5.9 | How many (live) sons do you have? | [Enter 00 if None] |
| 5.10 | How many (live) daughters do you have? | [Enter 00 if None] |
|  | Primary occupation |  |
| 5.11 | (a) Respondent: $\square$ | (b) Spouse (if married): $\square$ |
|  | 1=At home doing housework 4=Student/ training 8=Skilled non-manual <br> 2=Unemployed, not seeking work: <br> retired/ disabled 5=Unskilled manual <br> 6=Semi-skilled manual 9=Semi-Professional <br> 3=Unemployed, seeking work $7=$ Skilled manual 10=Professional |  |
| 5.12 | Briefly describe your job: |  |
|  | Highest educational level attained |  |
| 5.13 | (a) Respondent: $\square$ | (b) Spouse (if married): $\square$ |
|  | 1=Illiterate 4=Secondary school (ITI course, class X/XII, Intermediate) <br> 2=Literate, no formal education $5=$ Graduate (BA, BSc, BCom, Diploma) <br> 3=Up to primary school (class IV) 6=Professional degree/postgraduate (MA, MSc, MBBS, <br> MSW, BTech, PhD) |  |




## ALL PARTICIPANTS




|  | IF NO, SKIP QUESTIONS 9.17-9.20 AND GO TO QUESTION 9.21 |  |
| :---: | :---: | :---: |
|  | If yes, |  |
| 9.17 | Has this happened before? | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}$ ] |
| 9.18 | Do some of these attacks come suddenly out of the blue - that is, in situations where you don't expect to be nervous or uncomfortable? | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}$ ] |
| 9.19 | Do these attacks bother you a lot or are you worried about having another attack? | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}$ ] |
| 9.20 | During your last bad anxiety attack, did you have symptoms like shortness of breath, sweating, your heart racing or pounding, dizziness or faintness, tingling or numbness, or nausea or upset stomach? | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}$ ] |
| 9.21 | If you checked off any problems on this questionnaire so far, how difficult have these problems made it for you to do your work, take care of things at home, or get along with other people? | 1=Not difficult at all 2=Somewhat difficult 3=Very difficult 4=Extremely difficult |
|  | In the last 4 weeks, how much have you been bothered by any of the following problems? | 1=Not bothered <br> 2=Bothered a little <br> $3=$ Bothered a lot |
| 9.22 | Worrying about your health | $\square$ |
| 9.23 | Your weight or how you look | $\square$ |
| 9.24 | Difficulties with husband/wife, parents, or other relatives | $\square$ |
| 9.25 | The stress of taking care of children, parents or other family members | $\square$ |
| 9.26 | Stress at work outside of home or at school | , |
| 9.27 | Financial problems or worries |  |
| 9.28 | Having no one to turn to when you have a problem | $\square$ |
| 9.29 | Something bad that happened recently | $\square$ |
| 9.30 | Thinking or dreaming about something terrible that had happened to you in the past - like your house being destroyed, a severe accident, being hit or assaulted, or being forced to commit a sexual act | $\square$ |


|  | Now I will ask you questions relating to your usual sleep patterns. |  |
| :--- | :--- | :--- | :--- | :--- |
| $\mathbf{1 0 . 1}$ | How many hours do you usually sleep per day (including <br> sleep at night and during the day) on a typical day when <br> you have school or work the next day? | [Completed half hours] |




|  | (d) Badminton | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | days | $\square \square \square \text { [mts] }$ |
| :---: | :---: | :---: | :---: | :---: |
|  | (e) Cricket | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | days | $\square \square \square$ [mts] |
|  | (f) Yoga | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | days |  |
|  | (g) Swimming | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | days |  |
|  | (h) Football | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | days | $\square \square \square \text { [mts] }$ |
|  | (i) Volleyball | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | days | $\square \square \square[\mathrm{mts}]$ |
|  | (j) Kabbadi | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | days | $\square \square \square \text { [mts] }$ |
|  | (k) Cycling | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | days |  |
|  | (I) Khokho | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | days | $\square \square \square \text { [mts] }$ |
|  | (m) Any others? | $[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |  |  |
|  | (n) |  | $\square$ days | $\square \square \square[\mathrm{mts}]$ |
|  | (0) |  | $\square$ days | $\square[\mathrm{mts}]$ |
|  | (p) |  | $\square$ days | [mts] |
| $11.12$ | Now think about activities you do at home such as housework, gardening and hobbies. Please do not include any activities already mentioned. |  |  |  |
|  | Name of activity | (i) Took part in this activity | (ii) Days per week | (iii) Total duration per day |
|  | (a) Cooking | $\square[1=Y e s ; 2=\mathrm{No}]$ | $\square$ days | $\square \square \square$ [mts] |
|  | (b) Washing vessels | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | $\square$ days |  |
|  | (c) Mopping | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | $\square$ days |  |
|  | (d) Sweeping | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | $\square$ days |  |
|  | (e) Wash clothes manually | $\square[1=Y e s ; 2=\mathrm{No}]$ | $\square$ days |  |
|  | (f) Dusting / cleaning | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | $\square$ days | $\square \square \square$ [mts] |
|  | (g) Ironing and folding clothes | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | $\square$ days |  |
|  | (h) Child care | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | $\square$ days | $\square \square \square$ [mts] |
|  | (i) Collecting fuel/fodder/water | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | $\square$ days | $\square \square \square$ [mts] |
|  | (j) Animal care | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | $\square$ days | $\square \square \square$ [mts] |


| (k) Gardening | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | $\square$ days | $\square \square \square[\mathrm{mts}]$ |
| :---: | :---: | :---: | :---: |
| (I) Any others? | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}$ |  |  |
| (m) |  | $\square$ days | $\square \square \square$ [mts] |
| ( n ) |  | days | $\square$ [mts] |
| (0) |  | days | $\square \square \square$ [mts] |


| 11.13 | Sedentary activities <br> The last question is about time spent sitting in the last 7 days. Do not include time spent sitting at work Please do not include any activities already mentioned. |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Name of activity | (i) Took part in this activity | (ii) Days per week | (iii) Total duration per day |
|  | (a) Reading for leisure | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | days |  |
|  | (b) Computer/computer games/internet for leisure | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | $\square$ days | $\square \square \square \text { [mts] }$ |
|  | (c) Watching TV/ movies | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | $\square$ days | $\square \square \square \text { [mts] }$ |
|  | (d) Indoor games (e.g. chess, carom, playing cards) | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | $\square$ days | $\square \square \square \text { [mts] }$ |
|  | (e) Prayer/meditation | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | $\square$ days | $\square \square \square$ [mts] |
|  | (f) Listening to music/radio | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | days | $\square \square \square \text { [mts] }$ |
|  | (g) Sewing /embroidery/ knitting | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | days | $\square \square \square \text { [mts] }$ |
|  | (h) Socialising (talking outside working hours or on phone) | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | $\square$ days | $\square \square \square \text { [mts] }$ |
|  | (i) Any others? | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ | days |  |
|  | (j) |  | days |  |
|  | (k) |  | days | $\square \square \square$ [mts] |
|  | (I) |  | days | $\square \square \square$ [mts] |

## INSTRUCTION TO SUBJECT:

I am now going to ask you about the food that you have eaten over the last year. If you have not heard of an item please answer "No".

|  | CEREALS | Portion Size | (a) Average consumption | (b) Per <br> Day ${ }^{1}$ | (b) Per Week $^{2}$ | (b) Per <br> Month ${ }^{3}$ | (b) Per Year/ Never ${ }^{4}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 12.2 | Parathas / naan | No |  |  |  |  |  |
| 12.4 | Poori, bhatura | No |  |  |  |  |  |
| 12.6 | Mutton, chicken biriyani | Bowl |  |  |  |  |  |
| 12.8 | Bhagar | Bowl |  |  |  |  |  |
| 12.10 | Idlis | No |  |  |  |  |  |
| 12.12 | Pesarattu | No |  |  |  |  |  |
| 12.14 | Rice, ragi porridge | Bowl |  |  |  |  |  |
| 12.16 | Bread, Toast, Rolls, Buns | No |  |  |  |  |  |
|  | LENTILS / DHALS / G | VIES |  |  |  |  |  |
| 13.2 | Dhal sambar with vegetables | Ladle |  |  |  |  |  |
| 13.4 | Green leafy vegetable curry | Ladle |  |  |  |  |  |
|  | CHUTNEYS / SALAD / PAPAD |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |


|  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 14.2 | Vegetable Raitha | Tbsp |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 14.5 | Coconut chutney | Tbsp |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 14.7 | Tomato chutney | Tbsp |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 15.1 | Chicken curry | Bowl |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 15.3 | Mutton/ pork/beef curry or fry | Bowl |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 15.5 | Fish fry | No |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 15.7 | Prawn, crab, shell fish etc. | Bowl |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | MILK \& BEVERAGE |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 16.2 | Coffee | Glass |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 16.4 | Flavored milk (horlicks, bournvita etc) | Glass |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 16.6 | Buttermilk/Lassi | Glass |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 16.8 | Fanta, pepsi, coca cola etc. | 250ml bottle |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 16.10 | Spirits (whiskey, gin, rum, arrack) | $30 \mathrm{ml}$ peg |  |  |  |  |  |
| 16.11 | Other local alcoholic drinks | $\begin{aligned} & 30 \mathrm{ml} \\ & \mathrm{peg} \end{aligned}$ |  |  |  |  |  |


|  | MISCELLANEOUS | Portion Size | (a) Average consumption | (b) Per <br> Day ${ }^{1}$ | (b) Per Week ${ }^{2}$ | (b) Per Month ${ }^{3}$ | (b) Per Year/ Never ${ }^{4}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 17.2 | Jam | Tsp |  |  |  |  |  |
|  | SNACKS/ SWEETS/DESSERTS |  |  |  |  |  |  |
| 18.1 | Mixture, namkeen, chiwda, khara boondi, dalmoth | Tbsp |  |  |  |  |  |
| 18.2 | Vada, all types | No |  |  |  |  |  |
| 18.3 | Nuts (grounduts, cashewnuts etc.) | Tbsp |  |  |  |  |  |
| 18.4 | Chips/salted packed snacks (bingo, kurkure etc) | Bowl |  |  |  |  |  |
| 18.5 | Samosa,bajij ,bonda, cutlet, patties | No |  |  |  |  |  |
| 18.6 | Salted biscuits (krackjack, bakery biscuits) | No |  |  |  |  |  |
| 18.7 | Sweet biscuits (Marie/goodday/cream biscuits) | No |  |  |  |  |  |
| 18.8 | Murukku, chakli, sakinalu | No |  |  |  |  |  |
| 18.9 | Cakes or sweet pastries | No |  |  |  |  |  |
| 18.10 | Payasam, kheer | Bowl |  |  |  |  |  |
| 18.11 | Ice cream | Bowl |  |  |  |  |  |
| 18.12 | Jamoon, Jilebi, Jangir etc. | No |  |  |  |  |  |
| 18.13 | Mysore pak, ladoo, barfis | No |  |  |  |  |  |
| 18.14 | Baksham | No |  |  |  |  |  |
| 18.15 | Dried fruits (dates, figs, raisins etc) | Tbsp |  |  |  |  |  |
| 18.16 | Chocolates | $\begin{aligned} & \text { Small } \\ & \text { Bar } \end{aligned}$ |  |  |  |  |  |


|  | FRUITS | Portion size | (a) Average consumption | (b) Per <br> Day ${ }^{1}$ | (b) Per <br> Week ${ }^{2}$ | (b) Per <br> Month ${ }^{3}$ | (b) Per Year/ Never ${ }^{4}$ | (c) Seasonal (cross if seasonal) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |
| 19.2 | Apple | No |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 19.4 | Mango | No |  |  |  |  |  |  |
|  |  | $\square$ |  |  |  |  |  |  |
| 19.6 | Grapes (angoor) | Bowl |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 19.8 | Papaya ( papita) | Slice |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 19.10 | Sapota ( Chikoo) | No |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 19.12 | Musk melon (kharbooj) | Bowl |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 19.14 | Zizyphus (ber) | No |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 19.16 | Palmyra | No |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 20.1 | Palak, methi, other leafy vegetables | Tbsp |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 20.3 | Beetroot/ radish | Tbsp |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 20.5 | Beans, cluster beans | Tbsp |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 20.7 | Cauliflower | Tbsp |  |  |  |  |  |  |
| 20.8 | Bottlegourd (lauki), ashgourd, Ridgegourd (turai), snakegourds, etc. | Tbsp |  |  |  |  |  |  |
| 20.9 | Brinjal | Tbsp |  |  |  |  |  |  |
| 20.10 | Kovai | Tbsp |  |  |  |  |  |  |
| 20.11 | Capsicum/ green pepper | Tbsp |  |  |  |  |  |  |
| 20.12 | Drumstick | Pieces |  |  |  |  |  |  |
| 20.13 | Raw plantain | Tbsp |  |  |  |  |  |  |
| 20.14 | Colacasia (arvi) | Tbsp |  |  |  |  |  |  |




INDIAN MIGRANT STUDY PARTICIPANTS ONLY

| 24.1 | (a) Do you usually cough when you don't have a cold? [lf no, skip to 24.2] | [1=Yes; 2=No] |
| :---: | :---: | :---: |
|  | If yes <br> (b) Are there months when you cough most days | $\square[1=\mathrm{Yes}$; 2=No] |
|  | (c) Do you have a cough on most days for as much as three months each year? | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
|  | (d) For how many years have you had this cough? | [Years] |
| 24.2 | (a) Do you usually bring up phlegm from your chest, or do you usually have phlegm in your chest that is difficult to bring up when you don't have a cold? <br> [lf no, skip to 24.3] | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
|  | If yes, <br> (b) Are there months in which you have this phlegm on most days? | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
|  | (c) Do you bring up this phlegm on most days for as much as 3 months per year? | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
|  | (d) For how many years have you had this phlegm? | [Years] |
| 24.3 | (a) Are you unable to walk due to a condition other than shortness of breath? [If no, skip to 24.4] | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
|  | (b) If yes, name of condition |  |
| 24.4 | If able to walk: (a) Are you troubled by shortness of breath when hurrying on the level or walking up a slight hill? [If no, skip to 24.5] | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
|  | If yes, <br> (b) Do have to walk slower than most people of your age on level ground because of shortness of breath? | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
|  | (c) Do you have to stop for breath when walking at your own pace on level ground? | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
|  | (d) Do you ever have to stop for breath after walking about 100 yards on level ground? | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
|  | (e) Are you too short of breath to leave the house or short of breath on dressing of undressing? | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| 24.5 | (a) Have you ever had any pain or discomfort in your chest? [If no, end section] | $\square[1=\mathrm{Yes}$; 2=No] |
|  | If yes, <br> (b) Do you get it when you walk uphill or hurry? | [1=Yes; 2=No] |
|  | (c) Do you get it when you walk at an ordinary pace on the level? | [ $1=\mathrm{Yes;} \mathrm{2=No]}$ |
|  | If no pain on walking, end section. Otherwise ask d-g |  |
|  | (d) What do you do if you get it while you are walking? | 1=Stop/slow down 2=Carry on |
|  | (e) If you are standing still, what happens to it? | 1=Relieved 2=Not relieved |
|  | (f) How soon? | $1=10$ minutes or less 2=Over 10 minutes |
|  | (g) Will you show me where it is (record all places)? [SHOW PICTURE] | $\square, \square, \square$ |

SECTION D: Anthropometry

|  | Weight and height | a) First reading |  | b) Second reading |
| :---: | :---: | :---: | :---: | :---: |
| 25.1 | Weight | $\square \square \square \cdot \square[\mathrm{kg}]$ |  | $\square \square \square \cdot \square[\mathrm{kg}]$ |
| 25.2 | Scale number | $\square$ |  |  |
| 25.3 | Standing height | [mm] |  | $[\mathrm{mm}]$ |
| 25.4 | Sitting height | $\square \square \square \square[\mathrm{mm}]$ |  | $\square \square \square \square[\mathrm{mm}]$ |
| 25.5 | Stool height | $\square \square \square \square[\mathrm{mm}]$ |  | $\square \square \square \square[\mathrm{mm}]$ |
| 25.6 | Stadiometer number | $\square$ |  |  |
|  | Circumferences | a) First reading |  | b) Second reading |
| 25.7 | Waist circumference | $\square \square \square \square[\mathrm{mm}]$ |  | $\square \square \square \square[\mathrm{mm}]$ |
| 25.8 | Hip circumference | $\square \square \square \square[\mathrm{mm}]$ |  | $\square \square \square \square[\mathrm{mm}]$ |
| 25.9 | Mid-arm circumference | $\square \square \square \square[\mathrm{mm}]$ |  | $\square \square \square \square[\mathrm{mm}]$ |
| 25.10 | Calf circumference | $\square \square \square \square[\mathrm{mm}]$ |  | $\square \square \square \square[\mathrm{mm}]$ |
| 25.11 | Head circumference | $\square \square \square \square[\mathrm{mm}]$ |  | $\square \square \square \square[\mathrm{mm}]$ |
|  | Skinfold measurements | a) First reading | b) Second reading | c) Third reading |
| 25.12 | Triceps skinfold | $\square$ . $\square$ [mm] | $\square$ [mm] | $\square \square \cdot \square[\mathrm{mm}]$ |
| 25.13 | Biceps skinfold | $\square$ [mm] $\square$ . [mm] |  | $\square \square \cdot \square[\mathrm{mm}]$ |
| 25.14 | Subscapular skinfold | $\square$ [mm] $\square$ . $\square$ [mm] |  | $\square$ [mm] |
| 25.15 | Suprailiac skinfold | $\square$ [mm] $\square$ . $\square$ [mm] |  | $\square \square .$ $\square$ [mm] |
| 25.16 | Calf skinfold | $\square \square \cdot \square[\mathrm{mm}] \quad \square \square \cdot \square[\mathrm{mm}]$ |  | $\square \square \cdot \square[\mathrm{mm}]$ |
| 25.17 | Caliper number | $\square$ |  |  |
|  | Muscle strength | Reading |  |  |
| 25.18 | Right hand | $\square \square . \square[\mathrm{kg}]$ |  |  |
| 25.19 | Left hand | $\square \square . \square[\mathrm{kg}]$ |  |  |
| 25.20 | Dominant hand | [1=Right, 2=Left] |  |  |
| 25.21 | Grip strength machine | $\square$ |  |  |


|  | General information: anthropometry measurements |  |
| :--- | :--- | :--- |
| $\mathbf{2 5 . 2 2}$ | Researcher code | $\square \square$ |
| $\mathbf{2 5 . 2 3}$ | Researcher initials | $\square \square \square$ |
| $\mathbf{2 5 . 2 4}$ | Left sided measurements | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| $\mathbf{2 5 . 2 5}$ | If not, specify |  |
| $\mathbf{2 5 . 2 6}$ | All measurements adequate | $\square[1=$ Yes; 2=No] |
| $\mathbf{2 5 . 2 7}$ | If not, specify |  |


|  | Blood pressure |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 26.1 | Room temperature | $\square$$\square$ [degree Celsius] |  |  |
|  |  | a) First measure | b) Second measure | b) Third measure |
| 26.2 | Systolic BP (brachial) | $\square \square \square[\mathrm{mmHg}]$ | $\square \square \square[\mathrm{mmHg}]$ | $\square \square \square[\mathrm{mmHg}]$ |
| 26.3 | Diastolic BP (brachial) | $\square \square \square[\mathrm{mmHg}]$ | $\square$ | $\square \square \square[\mathrm{mmHg}]$ |
| 26.4 | Pulse rate | $\square \square \square[\mathrm{bpm}]$ | $\square$ [bpm] | $\square \square \square \text { [bpm] }$ |
| 26.5 | Cuff size used | [1=Small; 2=Medium; 3=Large] |  |  |
| 26.6 | BP apparatus number | $\square$ |  |  |
| 26.7 | Right arm measurements | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |  |  |
| 26.8 | Measurements adequate | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |  |  |
| 26.9 | If not, specify |  |  |  |


|  | Respiratory function |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 27.1 | In the past three months have you had any surgery on your chest or abdomen? |  |  |  |  | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| 27.2 | Have you had a heart attack within the past three months? |  |  |  |  | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| 27.3 | Do you have a detached retina or have you had eye surgery within the past three months? |  |  |  |  | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| 27.4 | Have you been hospitalized with any other heart problem within the past month? |  |  |  |  | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| 27.5 | Are you in the last trimester of pregnancy? |  |  |  |  | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| 27.6 | Are you currently taking medication for TB? |  |  |  |  | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| 27.7 | Have you coughed up blood within the past month? |  |  |  |  | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| 27.8 | Does the participant have a resting pulse of greater than 120 beats per minute? |  |  |  |  | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
|  | If any of the questions 27.1 to 27.8 is "yes", do NOT proceed with the test |  |  |  |  |  |
| 27.9 | (a) Have you taken medication for breathing in last 6 hours? |  |  |  |  | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
|  | If yes, name of medication: |  |  |  |  |  |
| 27.10 | Have you had a respiratory infection (cold) in the last three weeks? |  |  |  |  | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
|  | TAKE VERBAL CONSENT TO DO THE TEST |  |  |  |  |  |
|  |  | a) Blow 1 | b) Blow 2 | c) Blow 3 | d) Blow 4 | e) Blow 5 |
| 27.11 | FEV ${ }_{1}$ | $\square . \square \square[1]$ | $\square \cdot \square \square[1]$ | $\square . \square \square[\square]$ | $\square .$ | $\square \cdot \square \square[1]$ |
| 27.12 | FVC | $\square . \square \square[1]$ | $\square \cdot \square \square[1]$ | $\square . \square \square[\square$ | $\square .[$ | $\square . \square \square[1]$ |
| 27.13 | If unable to obtain satisfactory spirometry (check one): |  |  | $\square \quad$$1=$ Participant did not understand <br> instructions <br> $2=$ Participant medically excluded <br> $3=$ Participant unable to physically <br> cooperate <br> $4=$ Participant refused |  |  |

## ONLY FOR WOMEN



## SECTION E: DXA Measurements

| 29.1 | DXA machine | $\square[1=$ New; 2=Old $]$ |
| :---: | :---: | :---: |
| 29.2 | Researcher initials |  |
| 29.3 | Whole scan taken | $\square[1=\mathrm{Yes}$; 2=No] |
| 29.4 | Spine scan taken | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| 29.5 | Hip scan taken | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| 29.6 |  |  |
| 29.7 | First L1-L4 measure taken | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| 29.8 | Second L1-L4 measure taken | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| 29.9 | First L2-L4 measure taken | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| 29.10 | Second L2-L4 measure taken | $\square[1=\mathrm{Yes} ; 2=\mathrm{No}]$ |
| 29.11 | If not, specify reason |  |

## SECTION F: Coronary Measures and Medical History





