**AWIGEN 2 Cut offs**

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| **Variable / Field Name** | **Old Variable / Field Name** |  | **Field Label** | **Text Validation Min** | **Text Validation Max** |
| **famc\_number\_of\_brothers** | **number\_of\_brothers** | 3.2 | How many brothers? | 0 | 99 |
| **famc\_living\_brothers** | **living\_brothers** | 3.3 | How many of your brothers are still alive? | 0 | 99 |
| **famc\_number\_of\_sisters** | **number\_of\_sisters** | 3.4 | How many sisters? | 0 | 99 |
| **famc\_living\_sisters** | **living\_sisters** | 3.5 | How many of your sisters are still alive? | 0 | 99 |
| **famc\_bio\_sons** | **biological\_sons** | 3.7 | How many biological sons? | 0 | 99 |
| **famc\_living\_bio\_sons** | **living\_biological\_sons** | 3.8 | How many of your biological sons are still alive? | 0 | 99 |
| **famc\_bio\_daughters** | **biological\_daughters** | 3.9 | How many biological daughters? | 0 | 99 |
| **famc\_living\_bio\_daughters** | **living\_biological\_daughters** | 3.10 | How many biological daughters are still alive? | 0 | 99 |
| **preg\_num\_of\_pregnancies** | **number\_of\_pregnancies** | 4.2 | How many pregnancies have you had? | 0 | 36 |
| **preg\_num\_of\_live\_births** | **number\_of\_live\_births** | 4.3 | How many live births have you had? | 0 | 36 |
| **educ\_highest\_years** | **years\_highest\_education** | 5.2.2 | What is the total number of successfully completed years at your highest level of education? | 1 | 20 |
| **frai\_standing\_up\_time** | **time\_from\_saying\_stand\_to** | 6.4.1 | Time from saying "stand" to sitting for the 5th time, with seconds to one decimal place. | 6.0 | 120 |
| **frai\_dynometer\_force\_1** | **dynometer\_first\_time** | 6.5.2 | With how much force does the participant squeeze the dynometer the first time? kg | 1.0 | 150.0 |
| **frai\_dynometer\_force\_2** | **dynometer\_second\_time** | 6.5.3 | With how much force does the participant squeeze the dynometer the second time? kg | 1.0 | 150.0 |
| **frai\_dynometer\_force\_3** | **dynometer\_third\_time** | 6.5.4 | With how much force does the participant squeeze the dynometer the third time? kg | 1.0 | 150.0 |
| **frai\_turn\_walk\_back** | **turn\_walk\_back** | 6.6.1 | How long does it take to turn and walk back to the start line (5m), in seconds to the decimal place? | 3.0 | 120.0 |
| **cogn\_different\_animals** |  | 6.9.1 | Now I want to see how many different animals you can name. You have 60 seconds. When I say, 'Start', say the animal names as fast as you can. | 1 | 30 |
| **hous\_household\_size** | **household\_size** | 7.1 | How many people besides you live in your household? | 0 | 100 |
| **hous\_number\_of\_rooms** | **number\_of\_rooms** | 7.2 | How many rooms are there in the house and outside structures used by household member? | 1 | 70 |
| **hous\_number\_of\_bedrooms** | **number\_of\_bedrooms** | 7.3 | How many rooms are used for sleeping in? | 1 | 70 |
| **subs\_smoking\_start\_age** | **age\_start\_smoking** | 8.1.8 | How old were you when you started smoking? | 3 | 65 |
| **subs\_smoking\_stop\_year** | **year\_stop\_smoking** | 8.1.9 | In which year did you stop smoking completely? | none | 2021 |
| **subs\_alcohol\_consume\_freq** | **alcohol\_consumed\_per\_day** | 8.2.4 | On the days that you drink alcohol drinks, how many alcoholic drinks do you have? | 1 | 20 |
| **genh\_days\_fruit** | **days\_fruit** | 9.4.1 | In a typical week, on how many days do you eat fruit? | 0 | 7 |
| **genh\_fruit\_servings** | **fruit\_servings** | 9.4.2 | How many servings of fruit do you eat on a typical day? | 0 | 30 |
| **genh\_days\_veg** | **days\_veg** | 9.4.3 | In a typical week, on how many days do you eat vegetables? | 0 | 7 |
| **genh\_veg\_servings** | **servings\_veg** | 9.4.4 | How many servings of vegetables do you eat on a typical? | 0 | 30 |
| **genh\_starchy\_staple\_freq** | **starchy\_staple\_foodeat** | 9.4.6 | In a typical week, on how many days do you eat such starchy staple foods? | 0 | 7 |
| **genh\_staple\_servings** | **servings\_starchy\_staple\_food** | 9.4.7 | How many servings of these starchy staple foods do you eat on those day? | 0 | 30 |
| **genh\_vendor\_meals s** | **vendor\_meal** | 9.4.8 | How many meals per week do you buy from a vendor or take-away or restaurant? | 0 | 21 |
| **genh\_sugar\_drinks** | **sugar\_drinks** | 9.4.9 | How many cans or bottles, or cups of sugary cold drinks, do you drink in a week? | 0 | 99 |
| **genh\_juice** | **Juice** | 9.4.10 | How many cans, bottles, or cups of juice do you drink in a week? | 0 | 99 |
| **genh\_pesticide\_years** | **years\_pesticide** | 9.5.2 | How long in years have you been working with insecticides or pesticides? | 0 | 70 |
| **infh\_hiv\_treatment** | **hiv\_treatment** | 10.3.7 | In which year did you first start treatment? | 1980 | 2021 |
| **carf\_stroke\_diagnosed** | **stroke\_diagnosed** | 11.2.2 | When was it first diagnosed? year | 1980 | 2021 |
| **gpaq\_work\_vigorous\_hrs** | **work\_vigorous\_hours** | 12.2.4.1 | On a usual day of vigorous work, how many hours are spent doing these activities? hours | 0 | 16 |
| **gpaq\_work\_vigorous\_mins** | **work\_vigorous\_minutes** | 12.2.4.2 | On a usual day of vigorous work, how many hours are spent doing these activities? minutes | 0 | 60 |
| **gpaq\_work\_moderate\_hrs** | **work\_moderate\_hours** | 12.2.7.1 | On a usual work day, how many hours are spent doing moderate-intensity activities hours? | 0 | 16 |
| **gpaq\_work\_moderate\_mins** | **work\_moderate\_minutes** | 12.2.7.2 | On a usual work day, how many hours are spent doing moderate-intensity activities minutes? | 0 | 60 |
| **gpaq\_work\_day\_hrs** | **work\_day\_hours** | 12.2.8.1 | How long is your usual work day hours? | 0 | 16 |
| **gpaq\_work\_vigorous\_mins** | **work\_day\_minutes** | 12.2.8.2 | How long is your usual work day minutes? | 0 | 60 |
| **gpaq\_transport\_phy\_hrs** | **transport\_physical\_hours** | 12.3.3.1 | On a usual day, how many hours do you spend walking or cycling for travel? hours | 0 | 16 |
| **gpaq\_transport\_phy\_mins** | **transport\_physical\_minutes** | 12.3.3.2 | On a usual day, how many minutes do you spend walking or cycling for travel? minutes | 0 | 60 |
| **gpaq\_leisurevigorous\_hrs** | **leisure\_vigorous\_hours** | 12.4.4.1 | In a normal day, how many leisure hours are spent doing vigorous activities? hours | 0 | 16 |
| **gpaq\_leisurevigorous\_mins** | **leisure\_vigorous\_minutes** | 12.4.4.2 | In a normal day, how many leisure minutes are spent doing vigorous activities? minutes | 0 | 60 |
| **gpaq\_leisuremoderate\_hrs** | **leisure\_moderate\_hours** | 12.4.7.1 | How many leisure hours are spent doing moderate-intensity activities in a normal day? hours | 0 | 16 |
| **gpaq\_leisuremoderate\_mins** | **leisure\_moderate\_minutes** | 12.4.7.2 | How many leisure minutes are spent doing moderate-intensity activities in a normal day? minutes | 0 | 60 |
| **gpaq\_work\_day\_stng\_hrs** | **working\_day\_sitting\_hours** | 12.5.1.1 | On a working day, how much time do you usually spend sitting or reclining excluding sleep? | 0 | 16 |
| **gpaq\_work\_day\_stng\_mins** | **working\_day\_sitting\_minutes** | 12.5.1.2 | On a working day, how much time do you usually spend sitting or reclining excluding sleep? | 0 | 60 |
| **gpaq\_non\_work\_day\_hrs** | **non\_working\_day\_sitting\_ho** | 12.5.2.1 | On a non-working day, how much time do you usually spend sitting or reclining excluding sleep | 0 | 16 |
| **gpaq\_non\_work\_day\_mins** | **non\_working\_day\_sitting\_mi** | 12.5.2.2 | On a non-working day, how much time do you usually spend sitting or reclining excluding sleep | 0 | 60 |
| **gpaq\_sleep\_room\_pple\_num** | **people\_sleep\_in\_room** | 12.6.5 | How many people sleep in the same room as you, including you? | 0 | 99 |
| **anth\_standing\_height** | **standing\_height\_mm\_1** | 13.1.1 | Standing height mm | 1000 | 2100 |
| **anth\_weight** | **weight\_kg** | 13.2.1 | Weight kg | 30.00 | 200.00 |
| **anth\_waist\_circumf\_1** | **waist\_circumference\_mm\_1** | 13.3.1 | Waist circumference cm | 50.00 | 200.00 |
| **anth\_waist\_circumf\_2** | **waist\_circumference\_mm\_2** | 14.3.2 | Waist circumference cm | 50.00 | 200.00 |
| **anth\_hip\_circumf\_1** | **hip\_circumference\_mm\_1** | 14.4.1 | Hip circumference cm | 50.00 | 200.00 |
| **anth\_hip\_circumf\_2** | **hip\_circumference\_mm\_2** | 14.4.2 | Hip circumference cm | 50.00 | 200.00 |
| **bppm\_systolic\_1** | **systolic\_1** | 14.1.1 | Systolic measurement 1 | 30 | 250 |
| **bppm\_diastolic\_1** | **diastolic\_1** | 14.1.2 | Diastolic measurement 1 | 30 | 250 |
| **bppm\_pulse\_1** | **pulse\_1** | 14.1.3 | Pulse measurement 1 | 30 | 250 |
| **bppm\_systolic\_2** | **systolic\_2** | 14.2.1 | Systolic measurement 2 | 30 | 250 |
| **bppm\_diastolic\_2** | **diastolic\_2** | 14.2.2 | Diastolic measurement 2 | 30 | 250 |
| **bppm\_pulse\_2** | **pulse\_2** | 14.2.3 | Pulse measurement 2 | 30 | 250 |
| **bppm\_systolic\_3** | **systolic\_3** | 14.3.1 | Systolic measurement 3 | 30 | 250 |
| **bppm\_diastolic\_1** | **diastolic\_3** | 14.3.2 | Diastolic measurement 3 | 30 | 250 |
| **bppm\_pulse\_1** | **pulse\_3** | 14.3.3 | Pulse measurement 3 | 30 | 250 |
| **ultr\_visceral\_fat** | **visceral\_fat** | 15.1.3 | Visceral medial fat cm | 0.01 | 30.00 |
| **ultr\_subcutaneous\_fat** | **subcutaneous\_fat** | 15.1.4 | Subcutaneous transverse fat cm | 0.01 | 30.00 |
| **ultr\_cimt\_right\_min** | **min\_cimt\_right** | 15.2.3 | Minimum cIMT on the right mm | 0.01 | 2.00 |
| **ultr\_cimt\_right\_max** | **max\_cimt\_right** | 15.2.4 | Maximum cIMT on the right mm | 0.01 | 2.00 |
| **ultr\_cimt\_right\_mean** | **mean\_cimt\_right** | 15.2.5 | Average cIMT on the right mm | 0.01 | 2.00 |
| **ultr\_cimt\_left\_min** | **min\_cimt\_left** | 15.2.6 | Minimum cIMT on the left mm | 0.01 | 2.00 |
| **ultr\_cimt\_left\_max** | **max\_cimt\_left** | 15.2.7 | Maximum cIMT on the left mm | 0.01 | 2.00 |
| **ultr\_cimt\_left\_mean** | **mean\_cimt\_left** | 15.2.8 | Mean cIMT on the left mm | 0.01 | 2.00 |
| **ultr\_plaque\_right\_min** | **ultr\_plaque\_right** | 15.3.4 | Plaque thickness on the right (mm), to two decimal points. | 1.50 | 7.00 |
| **ultr\_plaque\_right\_mean** | **ultr\_plaque\_left** | 15.3.6 | Plaque thickness on the left (mm), to two decimal places. | 1.50 | 7.00 |
| **resp\_age\_diagnosed** | **asthma\_age\_diagnosed** | 16.1.2.1 | At what age were you first diagnosed with asthma? | 0 | 80  70 |
| **bloc\_red\_tubes\_num** | **if\_no\_red\_tubes** | 17.2.4.1 | If no, how many RED tubes are there? | 0 | 3 |
| **bloc\_if\_no\_purple\_tubes** | **if\_no\_purple\_tubes** | 17.2.5.2 | If no, how many PURPLE tubes are there? | 0 | 3 |
| **bloc\_grey\_tubes\_no** | **if\_no\_grey\_tubes** | 17.2.6.1 | If no, how many GREY tubes are there? | 0 | 3 |
| **poc\_glucose\_test\_result** | **glucose\_poc\_test\_result** | 18.1.8 | What is the Glucose test result?mmol/l | 0.00 | 30.00 |
| **poc\_chol\_result** | **cholesterol\_poc\_test\_result** | 18.1.9 | What is the Cholesterol test result? mmol/l | 0.00 | 30.00 |