**Inconsistency**

- Statistical Outliers - Type of check
  - HD onset
    - 5 SD cases where the values obtained were not expected/compatible with other variable values. E.g: non-gene carriers reporting to have motor symptoms; or participants reporting to be smoker, but the number of cigarettes is zero.
  - All participants higher than 5 standard deviations of the mean variation of weight of Participant with variation of weight between one visit and the next
  - TFC stage IV in the next visit
  - Participant classified with TFC stage V in one visit, but classified as TFC stage II in the next visit
  - Participant classified with TFC stage V in one visit, but classified as TFC stage I in the next visit
  - Participant classified with TFC stage IV in one visit, but classified as TFC stage II in the next visit
  - Participant classified with TFC stage IV in one visit, but classified as TFC stage II in the next visit
  - Participant classified with TFC stage III in one visit, but classified as TFC stage I in the next visit
  - Participant classified with TFC stage II in one visit, but classified as TFC stage I in the next visit
  - TFC stage V to TFC stage III inconsistency 8
  - TFC stage V to TFC stage IV inconsistency 102
  - TFC stage IV to TFC stage III inconsistency 6
  - TFC stage IV to TFC stage II inconsistency 248
  - TFC stage III to TFC stage II inconsistency 710
  - TFC stage III to TFC stage I inconsistency 27
  - TFC stage II to TFC stage I inconsistency 17 17
  - hxtobab & hxtobyos hxtobab=1 & hxtobyos=0 inconsistency 17 17
  - tfcscore TFC Stage=II to TFC Stage=I inconsistency 838 905
  - hdcat hdcat=3 to hdcat=2 inconsistency 64 64
  - tfcscore TFC Stage=III to TFC Stage=I inconsistency 27 27
  - tobab & tobcpd tobab=1 & tobcpd=0 inconsistency 41 44
  - Total (no. ppts)
    - tfcscore TFC Stage=V to TFC Stage=I inconsistency 2 2
  - hxtobab & hxpacky hxtobab=1 & hxpacky=0 inconsistency 69 69
  - tfcscore TFC Stage=III to TFC Stage=II inconsistency 710 765
  - caghigh & sxrater caghigh<55 & sxrater<=20 inconsistency 136 136
  - caghigh & sxrater & hddiagn caghigh>=36 & sxrater substantially higher (2SD) than hddiagn inconsistency 45 45
  - Variables
    - caghigh & hddiagn caghigh<36 & hddiagn filled inconsistency 3 3
    - tfcscore TFC Stage=V to TFC Stage=IV inconsistency 102 107
  - Value
    - tfcscore TFC Stage=V to TFC Stage=III inconsistency 8 8
    - caghigh & sxsubj caghigh<36 & sxsubj filled inconsistency 54 54
    - caghigh & sxest & sxrater caghigh<36 & sxest=1 & sxrater filled inconsistency 7 7
    - hdcat & sxrater hdcat=4 & sxrater filled inconsistency 7 13
    - hxtobab & hxtobcpd hxtobab=1 & hxtobcpd=0 inconsistency 49 49
    - tfcscore TFC Stage=IV to TFC Stage=III inconsistency 248 260
    - Participant currently drinks alcohol, but the units per week is zero
      - alcohol & alcunits alcohol=1 & alcunits=0
    - Participant currently smokes, but the packyears value is zero
      - tobac & packy tobac=1 & packy=0
    - Participant currently smokes, but the number of cigarettes per day is zero
      - tobac & tobod tobac=1 & tobod=0
    - Participant currently smokes, but reports to have zero years of smoking
      - tobac & tobod tobac=1 & tobod=0
    - Participant has been a smoker some point in time, but the packyears value is zero
      - tobac & tobod tobac=1 & tobod=0
    - Participant has been a smoker some point in time, but the number of cigarettes per day is zero
      - tobac & tobod tobac=1 & tobod=0

## Checks performed

<table>
<thead>
<tr>
<th>Type of check</th>
<th>Description</th>
<th>Values</th>
<th>Condition</th>
<th>Total (no. ppts)</th>
<th>Total (number)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol &amp; tobacco</td>
<td>Participant is not a HD gene carrier, however reports to have motor symptoms compatible with HD (age of first motor symptoms filled)</td>
<td>caghigh &amp; contm &amp; contm+1 &amp; contm=1 &amp; contm filled</td>
<td>inconsistency</td>
<td>88</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Participant is not a HD gene carrier, however reports to have motor symptoms compatible with HD (age of first motor symptoms not applicable)</td>
<td>caghigh &amp; contm &amp; contm+1 &amp; contm=1 &amp; contm filled</td>
<td>inconsistency</td>
<td>1</td>
<td>-</td>
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<tr>
<td></td>
<td>Participant is not a HD gene carrier, however the date of clinical HD diagnosis is filled</td>
<td>caghigh &amp; contm &amp; contm+1 &amp; contm=1 &amp; contm filled</td>
<td>inconsistency</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Participant is not a HD gene carrier, however the rater has filled an estimate of symptom onset</td>
<td>caghigh &amp; contm &amp; contm+1 &amp; contm=1 &amp; contm filled</td>
<td>inconsistency</td>
<td>7</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Participant is not a HD gene carrier, however the participant has reported to have symptoms (age of first symptoms)</td>
<td>caghigh &amp; contm &amp; contm+1 &amp; contm=1 &amp; contm filled</td>
<td>inconsistency</td>
<td>35</td>
<td>-</td>
</tr>
<tr>
<td>HD-onset</td>
<td>Participant is not a HD gene carrier, however the participant has been classified as genotype negative, however the rater’s age estimate of symptom onset substantially lower than rater’s age estimate of onset</td>
<td>caghigh &amp; contm &amp; contm+1 &amp; contm=1 &amp; contm filled</td>
<td>inconsistency</td>
<td>171</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Participant is not a HD gene carrier, however the participant has been classified as genotype negative, however the rater’s age estimate of symptom onset substantially lower (2SD) than diagnosis</td>
<td>caghigh &amp; contm &amp; contm+1 &amp; contm=1 &amp; contm filled</td>
<td>inconsistency</td>
<td>478</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Participant is not a HD gene carrier, however the participant has been classified as genotype negative, however the rater’s age estimate of symptom onset substantially higher than age of clinical HD diagnosis</td>
<td>caghigh &amp; contm &amp; contm+1 &amp; contm=1 &amp; contm filled</td>
<td>inconsistency</td>
<td>40</td>
<td>-</td>
</tr>
<tr>
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<td>Participant is not a HD gene carrier, however the participant has been classified as genotype negative, however the rater’s age estimate of symptom onset substantially higher than age of clinical HD diagnosis</td>
<td>caghigh &amp; contm &amp; contm+1 &amp; contm=1 &amp; contm filled</td>
<td>inconsistency</td>
<td>43</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Participant is not a HD gene carrier, however the participant has been classified as genotype negative, however the diagnostic confidence level is 4</td>
<td>caghigh &amp; contm &amp; contm+1 &amp; contm=1 &amp; contm filled</td>
<td>inconsistency</td>
<td>171</td>
<td>198</td>
</tr>
<tr>
<td></td>
<td>Participant is not a HD gene carrier, however the participant has been classified as genotype negative, however the diagnostic confidence level is 4</td>
<td>caghigh &amp; contm &amp; contm+1 &amp; contm=1 &amp; contm filled</td>
<td>inconsistency</td>
<td>45</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Participant is not a HD gene carrier, however the participant has been classified as genotype negative, however the diagnostic confidence level is 4</td>
<td>caghigh &amp; contm &amp; contm+1 &amp; contm=1 &amp; contm filled</td>
<td>inconsistency</td>
<td>527</td>
<td>-</td>
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<tr>
<td></td>
<td>Participant is not a HD gene carrier, however the participant has been classified as genotype negative, however the diagnostic confidence level is 4</td>
<td>caghigh &amp; contm &amp; contm+1 &amp; contm=1 &amp; contm filled</td>
<td>inconsistency</td>
<td>4</td>
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</tr>
<tr>
<td>Clinical</td>
<td>Participant classified as genotype negative, however the diagnostic confidence level is 4</td>
<td>hctst &amp; hctst+1 &amp; hctst filled &amp; hctst not filled</td>
<td>inconsistency</td>
<td>20</td>
<td>52</td>
</tr>
<tr>
<td></td>
<td>Participant classified as genotype negative, however the diagnostic confidence level is 4</td>
<td>hctst &amp; hctst+1 &amp; hctst filled &amp; hctst not filled</td>
<td>inconsistency</td>
<td>7</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>Participant classified as genotype negative, however the diagnostic confidence level is 4</td>
<td>hctst &amp; hctst+1 &amp; hctst filled &amp; hctst not filled</td>
<td>inconsistency</td>
<td>7</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>Participant classified as genotype negative, however the diagnostic confidence level is 4</td>
<td>hctst &amp; hctst+1 &amp; hctst filled &amp; hctst not filled</td>
<td>inconsistency</td>
<td>7</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>Participant classified as genotype negative, however the diagnostic confidence level is 4</td>
<td>hctst &amp; hctst+1 &amp; hctst filled &amp; hctst not filled</td>
<td>inconsistency</td>
<td>7</td>
<td>13</td>
</tr>
</tbody>
</table>