

D.O.B. 9/9/1980

male

40;11 Years

Education level 5

**WAFA****Perception and Attention Functions: Alertness**

Test form S1 Standard form

Date 8/14/2021

Start of testing 5:01 PM

Duration 26 min.

Language of test presentation English (USA)

**Test results**

Representative norm sample

Test variable	Raw score	PR	T
<b>MAIN VARIABLE(S)</b>			
Intrinsic alertness (visual)	236 <sup>1, 5</sup>	48 (34-58)	49 (46-52)
Cross-modal phasic alertness (visual)	274 <sup>1, 5</sup>	7 (3-14)	35 (31-39)
Unimodal phasic alertness (visual)	257 <sup>1, 5</sup>	23 (14-38)	43 (39-47)
Intrinsic alertness (auditory)	296 <sup>1, 2, 5</sup>	9 (4-18)	37 (33-41)
Cross-modal phasic alertness (auditory)	268 <sup>1, 2, 5</sup>	45 (31-62)	49 (45-53)
Unimodal phasic alertness (auditory)	300 <sup>1, 2, 5</sup>	10 (4-18)	37 (33-41)

**SUBSIDIARY VARIABLE(S)****Intrinsic (visual)**

Dispersion of reaction time (Subtest 1)	1.21 <sup>1, 6</sup>	45	49
Intrinsic alertness (visual), corrected for age	219 <sup>1, 3</sup>	51	50
Intrinsic alertness (visual), corrected for age (parameter)	-0.18 <sup>4</sup>	50	50
Number of "missed reactions" (Subtest 1)	0	54	51
Number of "false alarms" (Subtest 1)	2	10	37

**Phasic (cross-modal visual)**

Dispersion of reaction time (Subtest 2)	1.32 <sup>1, 6</sup>	17	40
Cross-modal phasic alertness (visual), corrected for age	241 <sup>1, 3</sup>	7	35
Cross-modal phasic alertness (visual), corrected for age (parameter)	-0.71 <sup>4</sup>	6	34
Number of "missed reactions" (Subtest 2)	0	60	53
Number of "false alarms" (Subtest 2)	0	56	52
Number of "premature reactions" (Subtest 2)	0	81	59

**Test results (continued)**

Representative norm sample

Test variable	Raw score	PR	T
<b>Phasic (unimodal visual)</b>			
Dispersion of reaction time (Subtest 3)	1.42 <sup>1, 6</sup>	<b>8</b>	36
Unimodal phasic alertness (visual), corrected for age	223 <sup>1, 3</sup>	<b>22</b>	42
Unimodal phasic alertness (visual), corrected for age (parameter)	-0.13 <sup>4</sup>	<b>22</b>	42
Number of "missed reactions" (Subtest 3)	0	<b>61</b>	53
Number of "false alarms" (Subtest 3)	0	<b>55</b>	51
Number of "premature reactions" (Subtest 3)	0	<b>84</b>	60
<b>Intrinsic (auditory)</b>			
Dispersion of reaction time (Subtest 4)	1.24 <sup>1, 2, 6</sup>	<b>56</b>	52
Intrinsic alertness (auditory), corrected for age	275 <sup>1, 2, 3</sup>	<b>10</b>	37
Intrinsic alertness (auditory), corrected for age (parameter)	-1.05 <sup>2, 4</sup>	<b>9</b>	37
Number of "missed reactions" (Subtest 4)	0 <sup>2</sup>	<b>53</b>	51
Number of "false alarms" (Subtest 4)	6 <sup>2</sup>	<b>3</b>	31
<b>Phasic (cross-modal auditory)</b>			
Dispersion of reaction time (Subtest 5)	1 <sup>1, 2, 6</sup>	<b>100</b>	80
Cross-modal phasic alertness (auditory), corrected for age	230 <sup>1, 2, 3</sup>	<b>45</b>	49
Cross-modal phasic alertness (auditory), corrected for age (parameter)	-0.18 <sup>2, 4</sup>	<b>44</b>	48
Number of "missed reactions" (Subtest 5)	0 <sup>2</sup>	<b>55</b>	51
Number of "false alarms" (Subtest 5)	0 <sup>2</sup>	<b>58</b>	52
Number of "premature reactions" (Subtest 5)	0 <sup>2</sup>	<b>82</b>	59
<b>Phasic (unimodal auditory)</b>			
Dispersion of reaction time (Subtest 6)	1.22 <sup>1, 2, 6</sup>	<b>61</b>	53
Unimodal phasic alertness (auditory), corrected for age	272 <sup>1, 2, 3</sup>	<b>11</b>	38
Unimodal phasic alertness (auditory), corrected for age (parameter)	-1.01 <sup>2, 4</sup>	<b>10</b>	37
Number of "missed reactions" (Subtest 6)	0 <sup>2</sup>	<b>58</b>	52
Number of "false alarms" (Subtest 6)	0 <sup>2</sup>	<b>56</b>	52

# Test results (continued)

Representative norm sample

Test variable	Raw score	PR	T
Number of "premature reactions" (Subtest 6)	0 <sup>2</sup>	90	63

**Note(s):** Percentile rank (PR) and T-score (T) result from a comparison with the entire comparative sample 'Representative norm sample'.

The confidence intervals given in parentheses next to the norm-referenced scores have a 5% error probability.

<sup>1</sup>Times in milliseconds

<sup>2</sup>As the audio device used did not meet the specification, this variable may be incorrect and it can therefore only be interpreted with reservations.

<sup>3</sup>Raw score converted to an age of 20 years

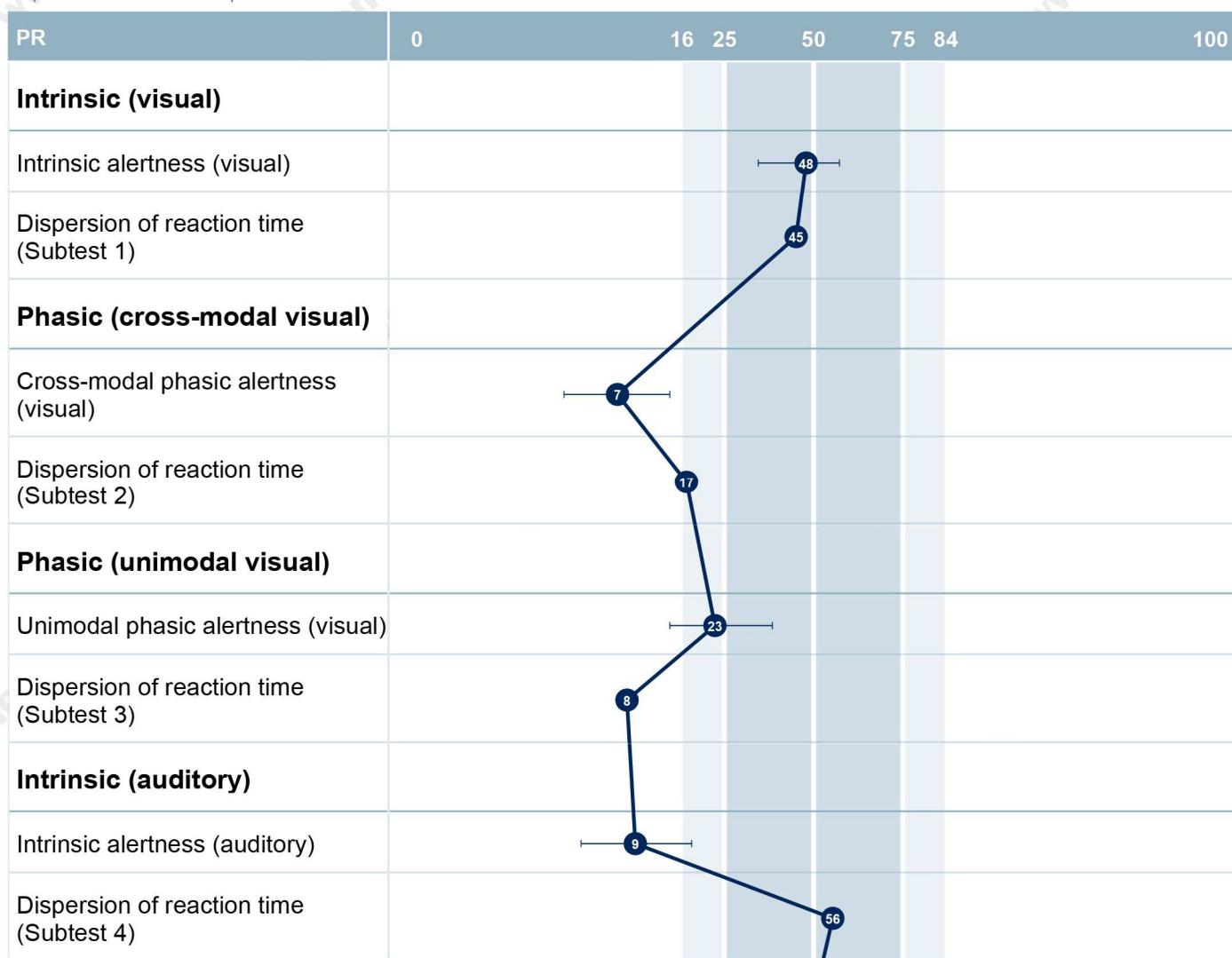
<sup>4</sup>Standardized residuum of the correction for age

<sup>5</sup>Mean reaction time of the logarithmized reaction times.

<sup>6</sup>Dispersion = standard deviation of the logarithmized reaction times

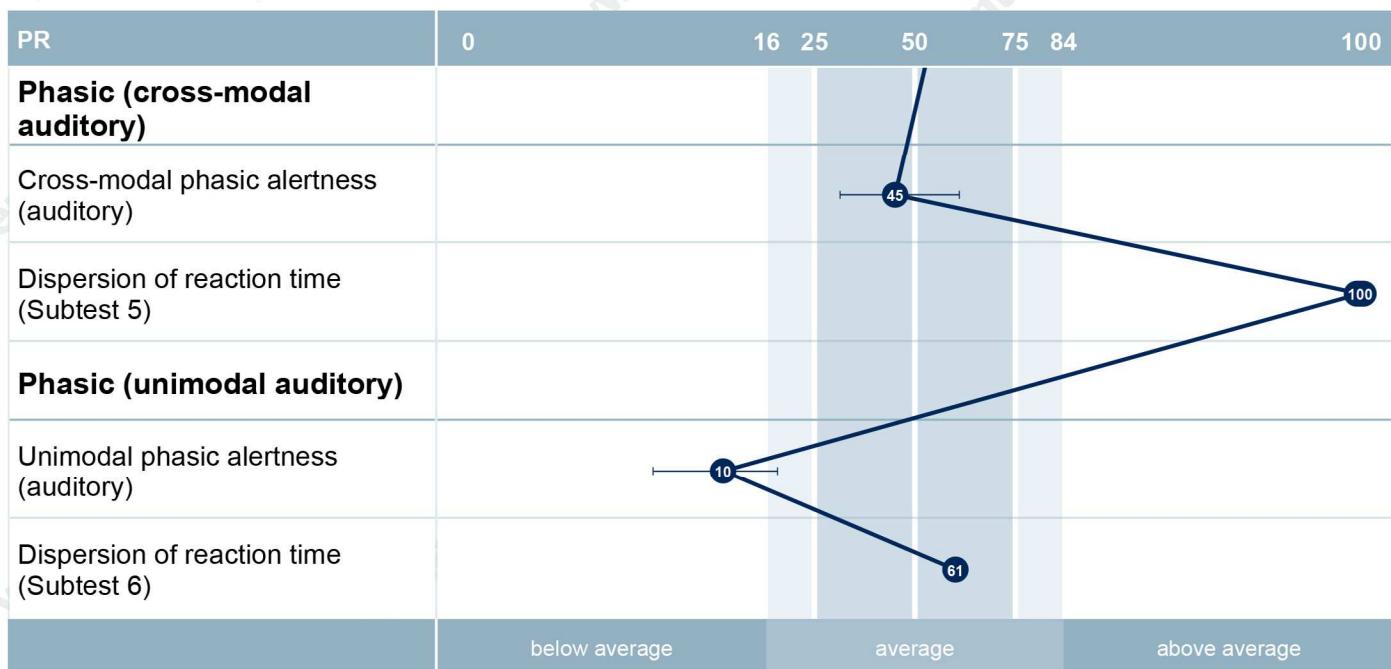
## Profile

Representative norm sample



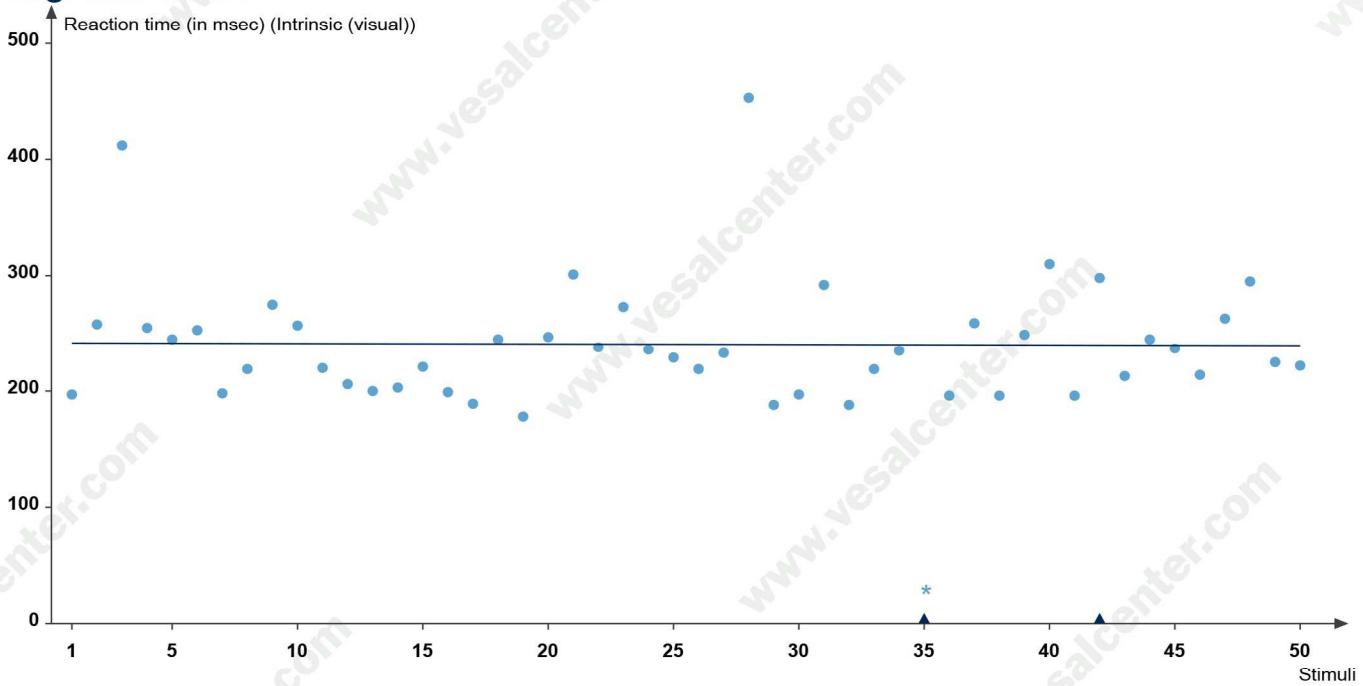
# Profile (continued)

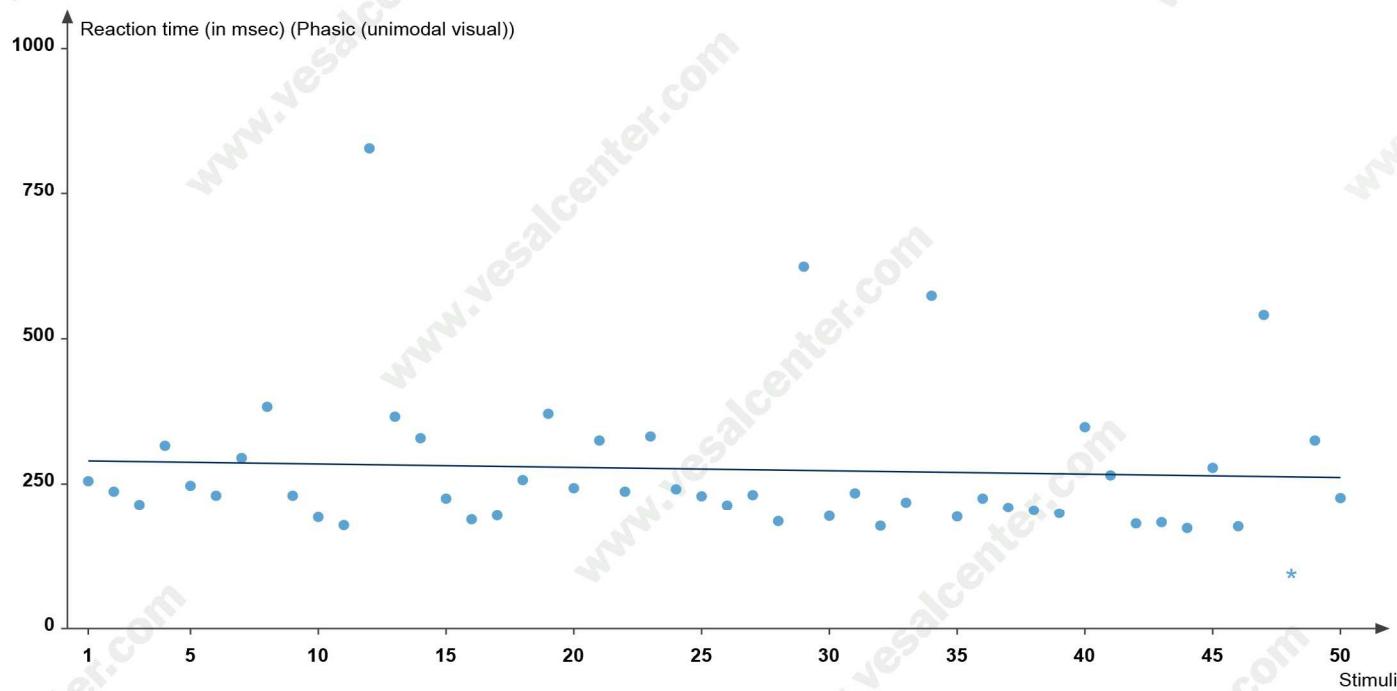
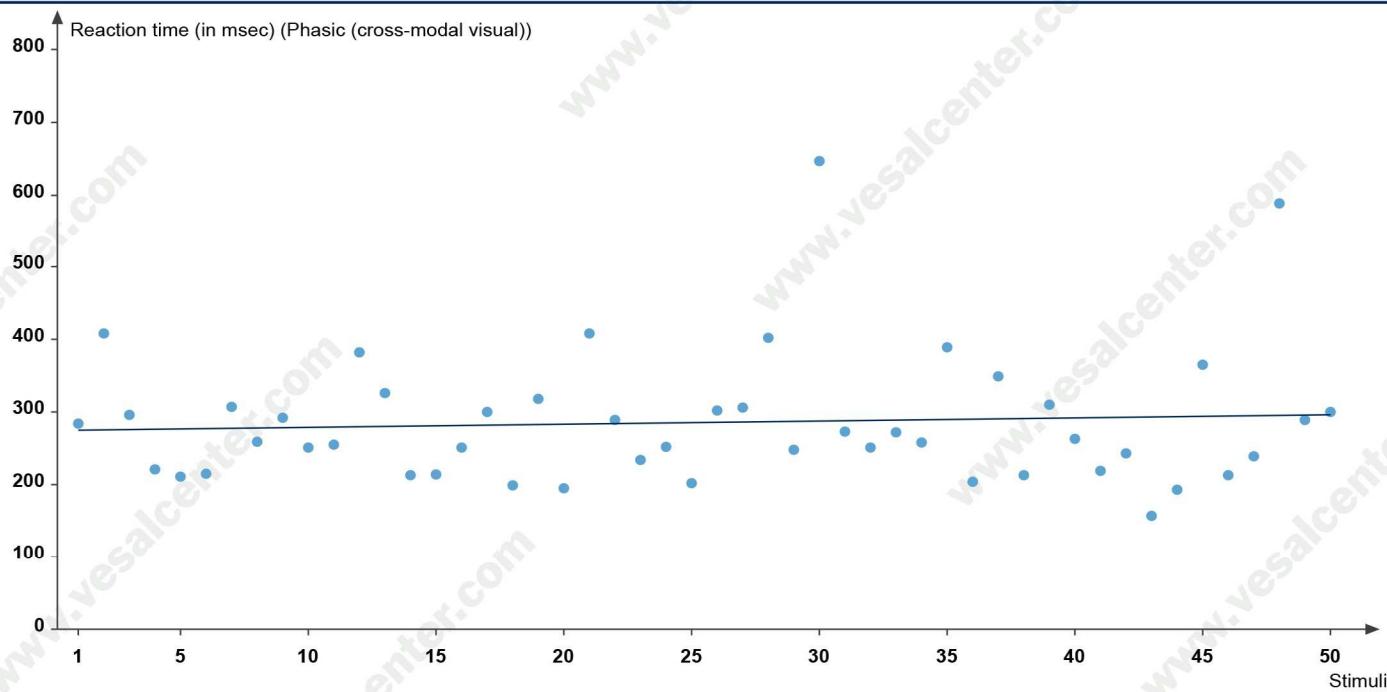
Representative norm sample

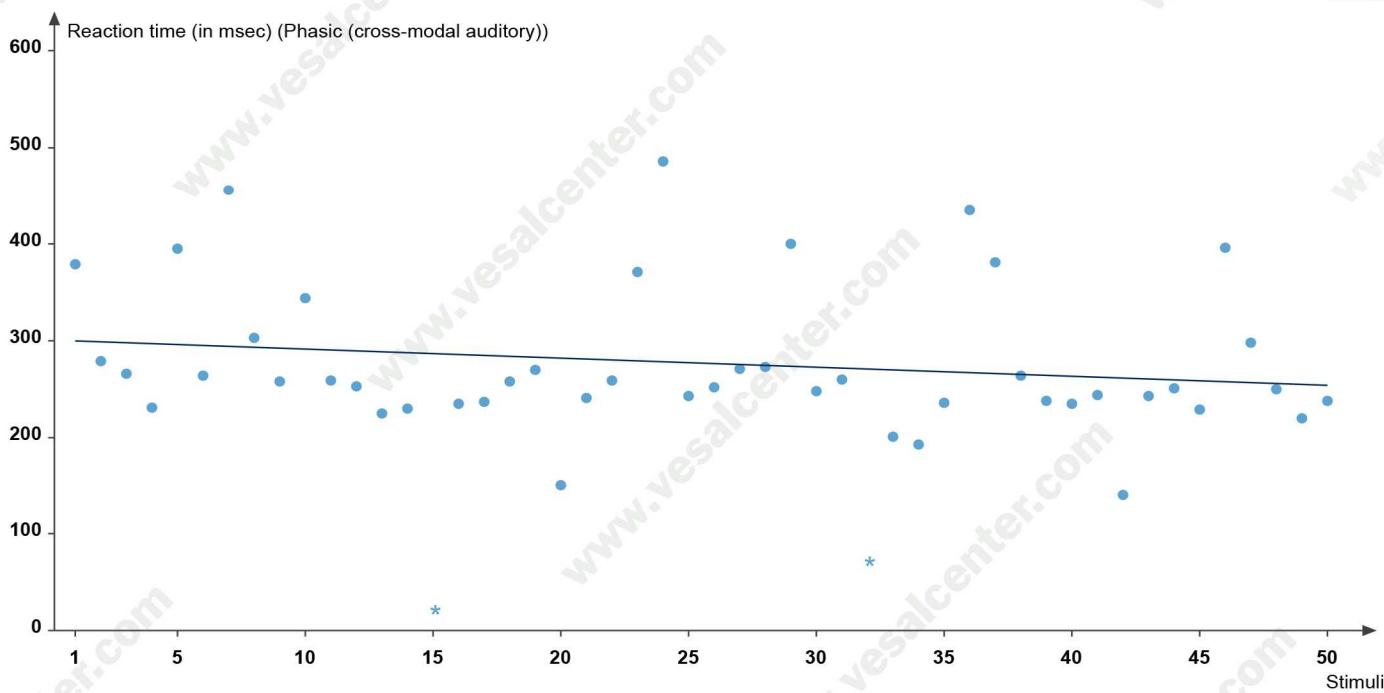
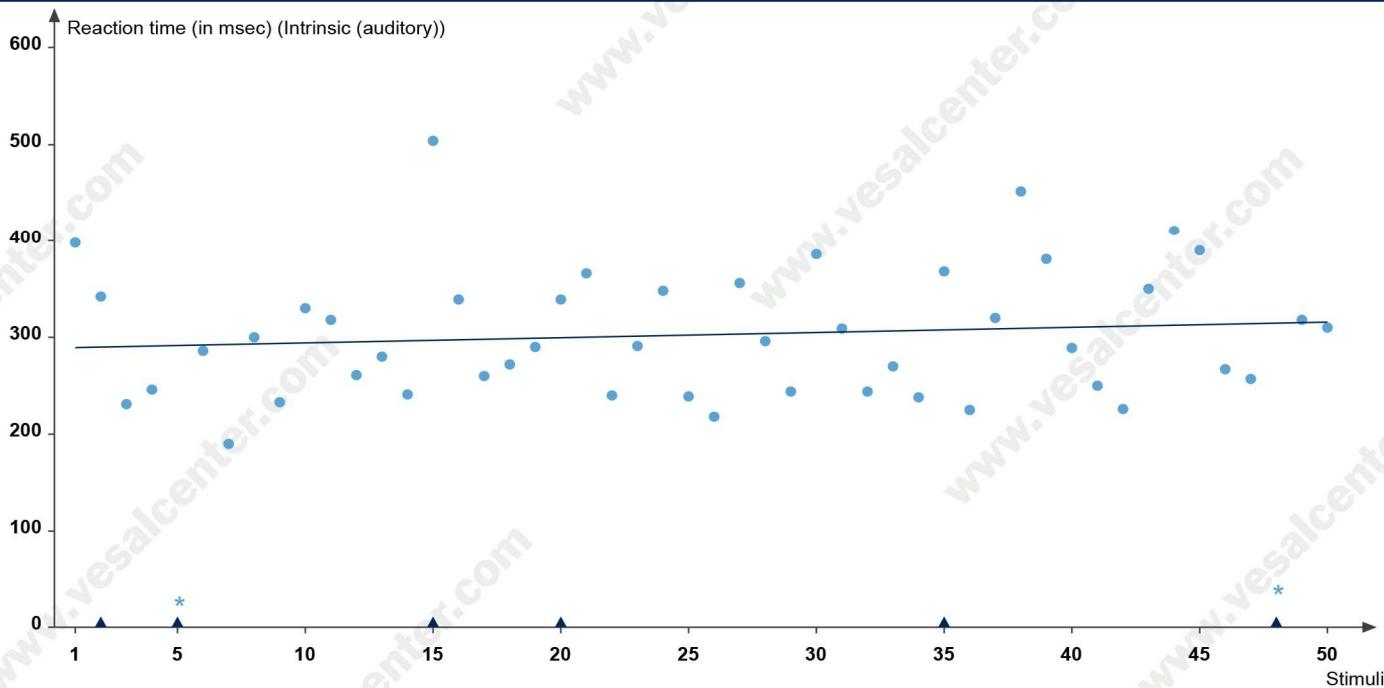


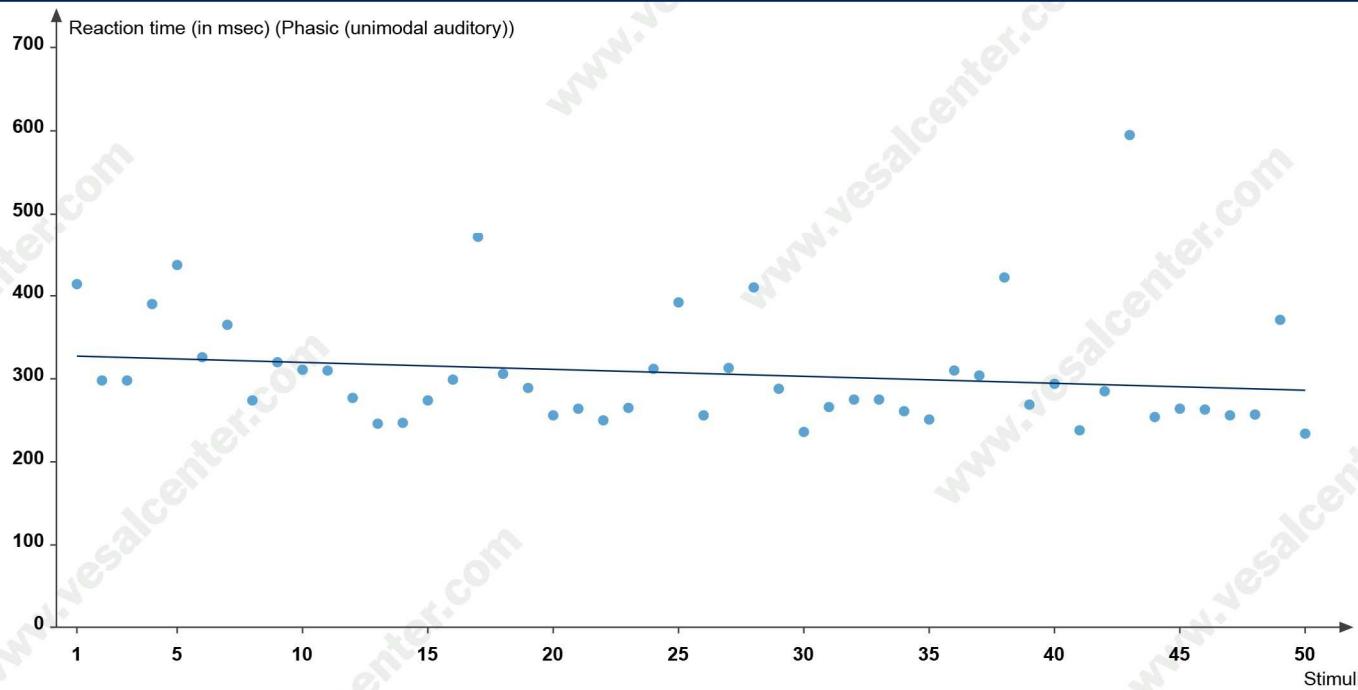
Note(s): The shaded area represents the usual average ranges on the norm-referenced score scale.

## Progress chart







**Note(s):**

- Reaction time per stimulus
- Missed reactions
- \* Reaction under 100ms
- Regression line

**Test protocol**

Subtest	Item	1	2	3	4	5	6	7	8	9	10
<b>Intrinsic (visual)</b>	1 - 10	+	0.197	+	0.258	+	0.412	+	0.255	+	0.245
	11 - 20	+	0.220	+	0.206	+	0.200	+	0.203	+	0.221
	21 - 30	+	0.301	+	0.238	+	0.273	+	0.236	+	0.229
	31 - 40	+	0.292	+	0.188	+	0.219	+	0.235	+	0.029*
	41 - 50	+	0.196	+	0.298	+	0.213	+	0.245	+	0.237
<b>Phasic (cross-modal visual)</b>	1 - 10	+	0.284	+	0.408	+	0.296	+	0.221	+	0.211
	11 - 20	+	0.255	+	0.382	+	0.326	+	0.213	+	0.214
	21 - 30	+	0.408	+	0.289	+	0.234	+	0.252	+	0.202
	31 - 40	+	0.273	+	0.251	+	0.272	+	0.258	+	0.389
	41 - 50	+	0.219	+	0.243	+	0.157	+	0.193	+	0.365
<b>Phasic (unimodal visual)</b>	1 - 10	+	0.255	+	0.237	+	0.214	+	0.316	+	0.247
	11 - 20	+	0.178	+	0.829	+	0.366	+	0.329	+	0.225
	21 - 30	+	0.325	+	0.237	+	0.332	+	0.241	+	0.229
	31 - 40	+	0.234	+	0.177	+	0.218	+	0.574	+	0.193
	41 - 50	+	0.265	+	0.181	+	0.183	+	0.173	+	0.278

## Test protocol (continued)

Subtest	Item	1	2	3	4	5	6	7	8	9	10
<b>Intrinsic (auditory)</b>	<b>1 - 10</b>	+ 0.398	+ 0.342	+ 0.231	+ 0.246	+ 0.026*	+ 0.286	+ 0.190	+ 0.300	+ 0.233	+ 0.330
	<b>11 - 20</b>	+ 0.318	+ 0.261	+ 0.280	+ 0.241	+ 0.504	+ 0.339	+ 0.260	+ 0.272	+ 0.290	+ 0.339
	<b>21 - 30</b>	+ 0.366	+ 0.240	+ 0.291	+ 0.348	+ 0.239	+ 0.218	+ 0.356	+ 0.296	+ 0.244	+ 0.386
	<b>31 - 40</b>	+ 0.309	+ 0.244	+ 0.270	+ 0.238	+ 0.368	+ 0.225	+ 0.320	+ 0.452	+ 0.381	+ 0.289
	<b>41 - 50</b>	+ 0.250	+ 0.226	+ 0.350	+ 0.411	+ 0.390	+ 0.267	+ 0.257	+ 0.038*	+ 0.318	+ 0.310
<b>Phasic (cross- modal auditory)</b>	<b>1 - 10</b>	+ 0.379	+ 0.279	+ 0.266	+ 0.231	+ 0.395	+ 0.264	+ 0.456	+ 0.303	+ 0.258	+ 0.344
	<b>11 - 20</b>	+ 0.259	+ 0.253	+ 0.225	+ 0.230	+ 0.021*	+ 0.235	+ 0.237	+ 0.258	+ 0.270	+ 0.151
	<b>21 - 30</b>	+ 0.241	+ 0.259	+ 0.371	+ 0.486	+ 0.243	+ 0.252	+ 0.271	+ 0.273	+ 0.400	+ 0.248
	<b>31 - 40</b>	+ 0.260	+ 0.071*	+ 0.201	+ 0.193	+ 0.236	+ 0.435	+ 0.381	+ 0.264	+ 0.238	+ 0.235
	<b>41 - 50</b>	+ 0.244	+ 0.141	+ 0.243	+ 0.251	+ 0.229	+ 0.396	+ 0.298	+ 0.250	+ 0.220	+ 0.238
<b>Phasic (unimodal auditory)</b>	<b>1 - 10</b>	+ 0.414	+ 0.298	+ 0.298	+ 0.390	+ 0.437	+ 0.326	+ 0.365	+ 0.274	+ 0.320	+ 0.311
	<b>11 - 20</b>	+ 0.310	+ 0.277	+ 0.246	+ 0.247	+ 0.274	+ 0.299	+ 0.471	+ 0.306	+ 0.289	+ 0.256
	<b>21 - 30</b>	+ 0.264	+ 0.250	+ 0.265	+ 0.312	+ 0.392	+ 0.256	+ 0.313	+ 0.410	+ 0.288	+ 0.236
	<b>31 - 40</b>	+ 0.266	+ 0.275	+ 0.275	+ 0.261	+ 0.251	+ 0.310	+ 0.304	+ 0.422	+ 0.269	+ 0.294
	<b>41 - 50</b>	+ 0.238	+ 0.285	+ 0.595	+ 0.254	+ 0.264	+ 0.263	+ 0.256	+ 0.257	+ 0.371	+ 0.234

**Note(s):**

The numbers in the fields mean, respectively: + = correct reaction, - = no reaction; reaction time in seconds; \* = reaction time under 100ms; —: stimulus was not answered/stimulus was not presented;