

Updated normative data 2020; ages 18-88 (N=255; total N=418)

ES = Expected score

OS = Observed score

RS = Residue score

RS = OS – ES

$$ES_{\text{Anger}} = 15.846 - (0.072 \times \text{age})$$

$$ES_{\text{Disgust}} = 9.046 + (0.145 \times \text{educ_years})$$

$$ES_{\text{Fear}} = 6.487 - (0.059 \times \text{age}) + (0.142 \times \text{educ_years})$$

$$ES_{\text{Happiness}} = 14.783 - (0.032 \times \text{age}) + (0.096 \times \text{educ_years})$$

$$ES_{\text{Sadness}} = 9.570 - (0.085 \times \text{age}) + (0.059 \times \text{educ_years})$$

$$ES_{\text{ERT Total}} = 65.565 - (0.264 \times \text{age}) + (0.410 \times \text{educ_years})$$

Note: there is no age and education correction for Surprise

For more details see: Kessels, R.P.C., Montagne, B., Hendriks, A.W., Perrett, D.I, & De Haan, E.H.F. (2014). Assessment of perception of morphed facial expressions using the Emotion Recognition Task (ERT): Normative data from healthy participants aged 8-75. *Journal of Neuropsychology*, 8, 75-93.

The formulas replace Functions 4-8 (p. 84) and the table below replaces Table 5 (p. 86)

Table. Percentile distribution for the age group 18-88							
Perc.	RS Anger	RS Disgust	RS Fear	RS Happiness	RS Sadness	OS Surprise	RS Total Score
2	-7.6998	-8.7382	-5.9900	-5.3288	-5.6069	3	-22.0855
5	-5.4700	-7.2083	-4.8971	-2.8346	-4.6717	4	-16.2262
10	-4.3068	-5.2600	-4.0340	-1.9710	-3.8635	4	-13.2624
15	-2.8076	-4.2210	-3.4515	-1.2062	-3.0924	5	-10.5210
20	-1.7996	-3.4815	-2.7364	-.7750	-2.5712	6	-7.6140
30	-1.0220	-1.6560	-1.9017	-.4062	-1.6090	7	-4.5236
50	.5220	.6490	-.2310	.3530	.2768	9	-.0625
70	1.7524	2.4315	1.6648	.7834	1.5955	10	4.7764
80	2.2484	3.4315	2.8430	1.0138	2.5325	11	8.0402
85	2.5140	3.7790	3.5337	1.3682	2.9392	12	10.0476
90	3.1092	4.4315	4.2640	1.6410	3.5157	13	12.9913
95	3.6964	4.6490	5.3958	1.9258	4.2837	14	16.9615
98	4.4474	5.4315	6.0776	2.2535	5.0612	15	19.9713

Age group	N	Sex	Education in years			IQ		
			m:f	Mean	SD	Range	Mean	SD
8	31	16:15				103.5	14.2	79-135
9	28	13:15				104.0	9.8	82-121
10	28	13:15				102.8	10.7	85-128
11	31	18:13				106.6	12.5	84-126
12-17	45	41:4				107.3	12.6	77-127
18-25	59	15:44	12.6	2.8	8-18	97.6	11.3	74-124
26-35	46	16:30	14.6	3.4	9-20	101.8	13.2	82-125
36-45	19	9:10	11.5	3.0	6-18	102.1	13.2	73-124
46-55	42	17:25	12.1	3.3	6-18	99.8	15.1	74-127
56-65	30	18:12	11.8	3.3	6-18	100.9	18.0	79-126
65-75	45	25:20	11.6	4.1	6-18	107.2	13.3	75-138
75+	14	7:7	11.5	4.4	6-18	104.9	14.7	81-140