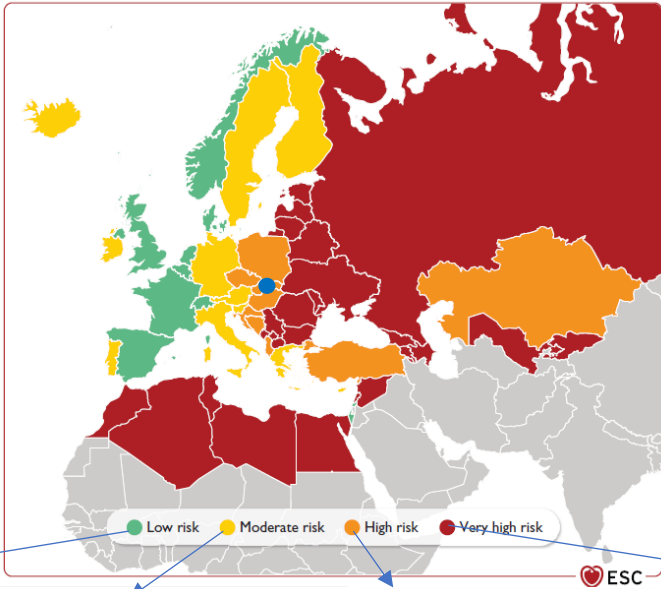


# 2021 ESC Guidelines on cardiovascular disease prevention in clinical practice

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**4 rizikové regióny podľa úmrtnosti na KVO**  
Každý región má vlastné SCORE2 a SCORE2-OP



**3 kategórie rizika osoby**

- CKVR**
- Nízke-stredné
  - Vysoké
  - Veľmi vysoké

**3 vekové rozsahy**

- ≥ 70 rokov**
  - <7,5%
  - 7,5 až <15%
  - ≥ 15%
- 50-69 rokov**
  - <5%
  - 5 až <10%
  - ≥ 10%
- < 50 rokov**
  - <2,5%
  - 2,5 až <7,5%
  - ≥ 7,5%

**SCORE2 & SCORE2-OP**  
10-year risk of (fatal and non-fatal) CV events in populations at **low** CVD risk

Legend: <50 years (<2.5%, 2.5 to <7.5%, ≥7.5%), 50-69 years (<5%, 5 to <10%, ≥10%), >70 years (<7.5%, 7.5 to <15%, ≥15%)

Age (y)	Non-smoking		Smoking	
	SBP (mmHg)	Non-HDL cholesterol (mmol/L)	SBP (mmHg)	Non-HDL cholesterol (mmol/L)
160-179	28	29	30	31
140-159	26	27	28	29
120-139	24	25	26	27
100-119	23	24	25	26
85-89	21	22	23	24
80-84	19	20	21	22
75-79	16	17	18	19
70-74	13	14	15	16
65-69	8	9	10	11
60-64	5	6	7	8
55-59	3	4	5	6
50-54	2	3	4	5
45-49	1	2	3	4
40-44	1	1	2	3

**SCORE2 & SCORE2-OP**  
10-year risk of (fatal and non-fatal) CV events in populations at **moderate** CVD risk

Legend: <50 years (<2.5%, 2.5 to <7.5%, ≥7.5%), 50-69 years (<5%, 5 to <10%, ≥10%), >70 years (<7.5%, 7.5 to <15%, ≥15%)

Age (y)	Non-smoking		Smoking	
	SBP (mmHg)	Non-HDL cholesterol (mmol/L)	SBP (mmHg)	Non-HDL cholesterol (mmol/L)
160-179	37	39	40	42
140-159	35	36	38	39
120-139	32	34	35	37
100-119	30	32	33	34
85-89	27	28	29	30
80-84	24	25	26	27
75-79	19	20	21	22
70-74	16	17	18	19
65-69	10	11	12	13
60-64	8	9	10	11
55-59	5	6	7	8
50-54	3	4	5	6
45-49	2	3	4	5
40-44	1	2	3	4

**SCORE2 & SCORE2-OP**  
10-year risk of (fatal and non-fatal) CV events in populations at **high** CVD risk

Legend: <50 years (<2.5%, 2.5 to <7.5%, ≥7.5%), 50-69 years (<5%, 5 to <10%, ≥10%), >70 years (<7.5%, 7.5 to <15%, ≥15%)

Age (y)	Non-smoking		Smoking	
	SBP (mmHg)	Non-HDL cholesterol (mmol/L)	SBP (mmHg)	Non-HDL cholesterol (mmol/L)
160-179	53	55	57	58
140-159	50	52	54	55
120-139	47	49	51	52
100-119	44	46	48	49
85-89	42	44	46	47
80-84	40	42	44	45
75-79	38	40	42	43
70-74	35	37	39	40
65-69	28	30	32	33
60-64	22	24	26	27
55-59	15	17	19	20
50-54	9	11	13	14
45-49	5	7	9	10
40-44	3	4	5	6

**SCORE2 & SCORE2-OP**  
10-year risk of (fatal and non-fatal) CV events in populations at **very high** CVD risk

Legend: <50 years (<2.5%, 2.5 to <7.5%, ≥7.5%), 50-69 years (<5%, 5 to <10%, ≥10%), >70 years (<7.5%, 7.5 to <15%, ≥15%)

Age (y)	Non-smoking		Smoking	
	SBP (mmHg)	Non-HDL cholesterol (mmol/L)	SBP (mmHg)	Non-HDL cholesterol (mmol/L)
160-179	62	63	64	65
140-159	60	61	62	63
120-139	58	59	60	61
100-119	56	57	58	59
85-89	54	55	56	57
80-84	52	53	54	55
75-79	50	51	52	53
70-74	48	49	50	51
65-69	46	47	48	49
60-64	44	45	46	47
55-59	42	43	44	45
50-54	40	41	42	43
45-49	38	39	40	41
40-44	36	37	38	39



# SCORE2 & SCORE2-OP

10-year risk of (fatal and non-fatal) CV events in populations at high CVD risk



Women

Men

Non-smoking

Smoking

Non-smoking

Smoking

Non-HDL cholesterol

Systolic blood pressure (mmHg)

SCORE2-OP

Systolic blood pressure (mmHg)	Non-HDL cholesterol								mmol/L mg/dL	Non-HDL cholesterol								
	3.0-3.9				4.0-4.9					Age (y)	3.0-3.9				4.0-4.9			
	150	200	250	300	150	200	250	300			150	200	250	300	150	200	250	300
160-179	53	55	57	58	58	59	61	63	85-89	42	49	57	65	41	49	56	65	
140-159	50	52	54	55	55	56	58	60	80-84	40	47	55	63	40	47	54	62	
120-139	47	49	51	52	52	53	55	57	75-79	38	45	53	61	38	45	52	60	
100-119	44	46	48	50	49	51	52	54	70-74	36	43	51	58	36	43	50	58	
160-179	40	42	44	45	49	51	53	55	65-69	34	40	45	51	38	44	50	56	
140-159	36	38	39	41	44	46	48	50	60-64	31	36	42	47	35	40	46	52	
120-139	32	34	36	37	40	42	44	46	55-59	29	33	38	44	32	37	42	48	
100-119	29	31	32	34	36	38	40	41	50-54	26	30	35	40	29	34	39	44	
160-179	29	31	32	34	41	43	45	47	45-49	28	32	35	39	35	39	44	48	
140-159	25	27	28	29	35	37	39	41	40-44	24	27	31	34	31	34	38	43	
120-139	22	23	24	25	31	32	34	36	35-39	21	24	27	30	27	30	34	37	
100-119	18	19	20	22	26	28	29	31	30-34	18	20	23	26	23	26	29	33	
160-179	21	22	24	25	33	35	37	39	25-29	23	25	27	29	33	35	38	41	
140-159	17	18	19	20	28	29	31	33	20-24	19	20	22	24	27	29	32	34	
120-139	14	15	16	17	23	24	26	27	15-19	15	17	18	20	22	24	26	28	
100-119	11	12	13	14	19	20	21	22	10-14	12	14	15	16	18	20	22	23	

SCORE2

160-179	15	16	17	18	26	27	29	30	65-69	17	18	20	22	25	28	30	32
140-159	12	13	14	14	21	22	23	24	60-64	14	15	16	18	21	23	25	27
120-139	10	10	11	11	16	17	18	19	55-59	11	12	13	15	17	19	20	22
100-119	8	8	8	9	13	14	14	15	50-54	9	10	11	12	14	15	17	18
160-179	11	11	12	13	20	21	23	25	45-49	13	13	16	18	20	23	25	28
140-159	8	9	9	10	15	16	18	19	40-44	10	11	13	14	16	18	20	23
120-139	6	7	7	8	12	13	14	15	35-39	8	9	10	11	13	15	16	18
100-119	5	5	6	6	9	10	11	11	30-34	6	7	8	9	10	12	13	15
160-179	7	8	9	10	15	16	18	20	25-29	9	11	12	14	16	19	21	24
140-159	5	6	7	7	11	12	14	15	20-24	7	8	10	11	13	15	17	19
120-139	4	4	5	5	8	9	10	11	15-19	6	6	7	9	10	11	13	15
100-119	3	3	4	4	6	7	8	8	10-14	4	5	6	7	8	9	10	12
160-179	5	5	6	7	11	13	14	16	5-9	7	8	10	11	13	15	18	21
140-159	3	4	4	5	8	9	10	12	0-4	5	6	7	9	10	12	14	16
120-139	3	3	3	4	6	7	8	9	35-39	4	5	5	6	7	9	10	12
100-119	2	2	2	3	4	5	6	6	30-34	3	3	4	5	6	7	8	9
160-179	3	4	4	5	8	10	11	13	25-29	5	6	8	9	10	13	15	18
140-159	2	3	3	4	6	7	8	9	20-24	4	5	6	7	8	9	11	14
120-139	2	2	2	2	4	5	6	6	15-19	3	3	4	5	6	7	8	10
100-119	1	1	2	2	3	3	4	5	10-14	2	2	3	4	4	5	6	7
160-179	2	2	3	4	6	7	9	10	5-9	4	5	6	7	8	10	13	16
140-159	1	2	2	2	4	5	6	7	0-4	3	3	4	5	6	7	9	11
120-139	1	1	1	2	3	4	4	5	35-39	2	2	3	4	4	5	7	8
100-119	1	1	1	1	2	2	3	3	30-34	1	2	2	3	3	4	5	6