

Annex 1: GBD regions

The first step when using the WHO CVD risk charts is to identify which Global Burden of Disease (GBD) region a country is in (Table 5).

Table 5: GBD regional groups

GBD region	Countries	Page number of charts	
		Lab-based	Non-lab-based
High-income North America	Canada, Greenland, United States of America	25	46
Caribbean	Antigua and Barbuda, Bahamas, Barbados, Belize, Bermuda, Cuba, Dominica, Dominican Republic, Grenada, Guyana, Haiti, Jamaica, Puerto Rico, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago	26	47
Central Latin America	Colombia, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Venezuela (Bolivarian Republic of)	27	48
Andean Latin America	Bolivia, Ecuador, Peru	28	49
Tropical Latin America	Brazil, Paraguay	29	50
Southern Latin America	Argentina, Chile, Uruguay	30	51
Western Europe	Andorra, Austria, Belgium, Cyprus, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Israel, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom	31	52
Central Europe	Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Hungary, Montenegro, North Macedonia, Poland, Romania, Serbia, Slovakia, Slovenia	32	53
Eastern Europe	Belarus, Estonia, Latvia, Lithuania, Republic of Moldova, Russian Federation, Ukraine	33	54
North Africa and Middle East	Afghanistan, Algeria, Bahrain, Egypt, Iran (Islamic Republic of), Iraq, Jordan, Kuwait, Lebanon, Libya, Morocco, occupied Palestinian territory, Oman, Qatar, Saudi Arabia, Sudan, Syrian Arab Republic, Tunisia, Turkey, United Arab Emirates, Yemen	34	55

GBD region	Countries	Page number of charts	
		Lab-based	Non-lab-based
Western Sub-Saharan Africa	Benin, Burkina Faso, Cabo Verde, Cameroon, Chad, Cote d'Ivoire, Gambia, Ghana, Guinea, Guinea-Bissau, Liberia, Mali, Mauritania, Niger, Nigeria, Sao Tome and Principe, Senegal, Sierra Leone, Togo	35	56
Central Sub-Saharan Africa	Angola, Central African Republic, Congo, Democratic Republic of the Congo, Equatorial Guinea, Gabon	36	57
Eastern Sub-Saharan Africa	Burundi, Comoros, Djibouti, Eritrea, Ethiopia, Kenya, Madagascar, Malawi, Mozambique, Rwanda, Somalia, Uganda, United Republic of Tanzania, Zambia	37	58
Southern Sub-Saharan Africa	Botswana, Eswatini, Lesotho, Namibia, South Africa, Zimbabwe	38	59
Central Asia	Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyzstan, Mongolia, Tajikistan, Turkmenistan, Uzbekistan	39	60
East Asia	China, Democratic People's Republic of Korea	40	61
South Asia	Bangladesh, Bhutan, India, Nepal, Pakistan	41	62
South-East Asia	Cambodia, Indonesia, Lao People's Democratic Republic, Malaysia, Maldives, Mauritius, Myanmar, Philippines, Seychelles, Sri Lanka, Thailand, Timor-Leste, Viet Nam	42	63
High-income Asia Pacific	Brunei Darussalam, Japan, Republic of Korea, Singapore	43	64
Australasia	Australia, New Zealand	44	65
Oceania	Fiji, Kiribati, Marshall Islands, Micronesia (Federated States of), Papua New Guinea, Samoa, Solomon Islands, Tonga, Vanuatu	45	66

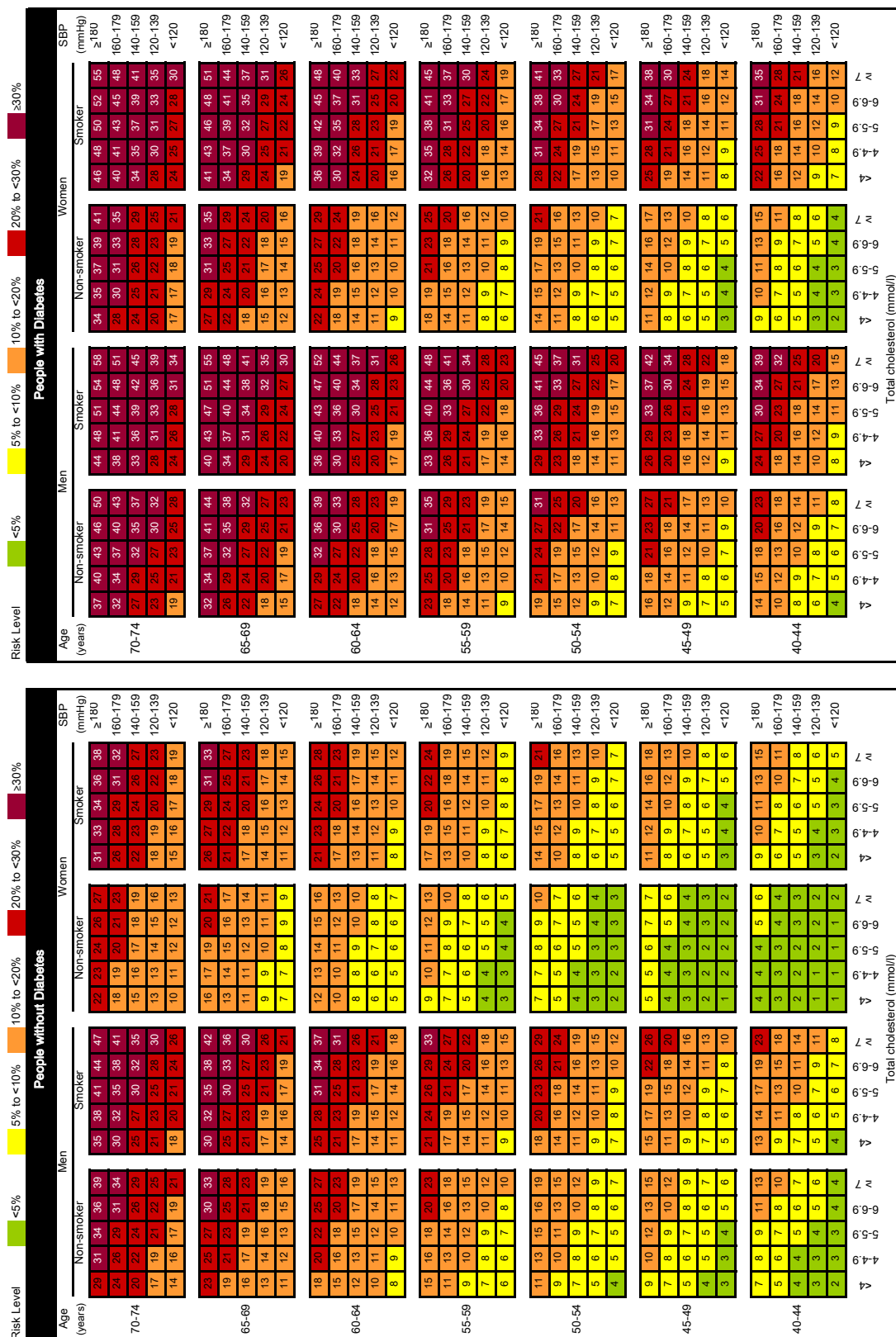
WHO CVD risk charts for a specific region can be downloaded from:
<https://www.who.int/news-room/detail/02-09-2019-who-updates-cardiovascular-risk-charts>

Annex 2: WHO CVD risk (laboratory-based) charts

WHO cardiovascular disease risk laboratory-based charts

High-income North America

Canada, Greenland, United States of America

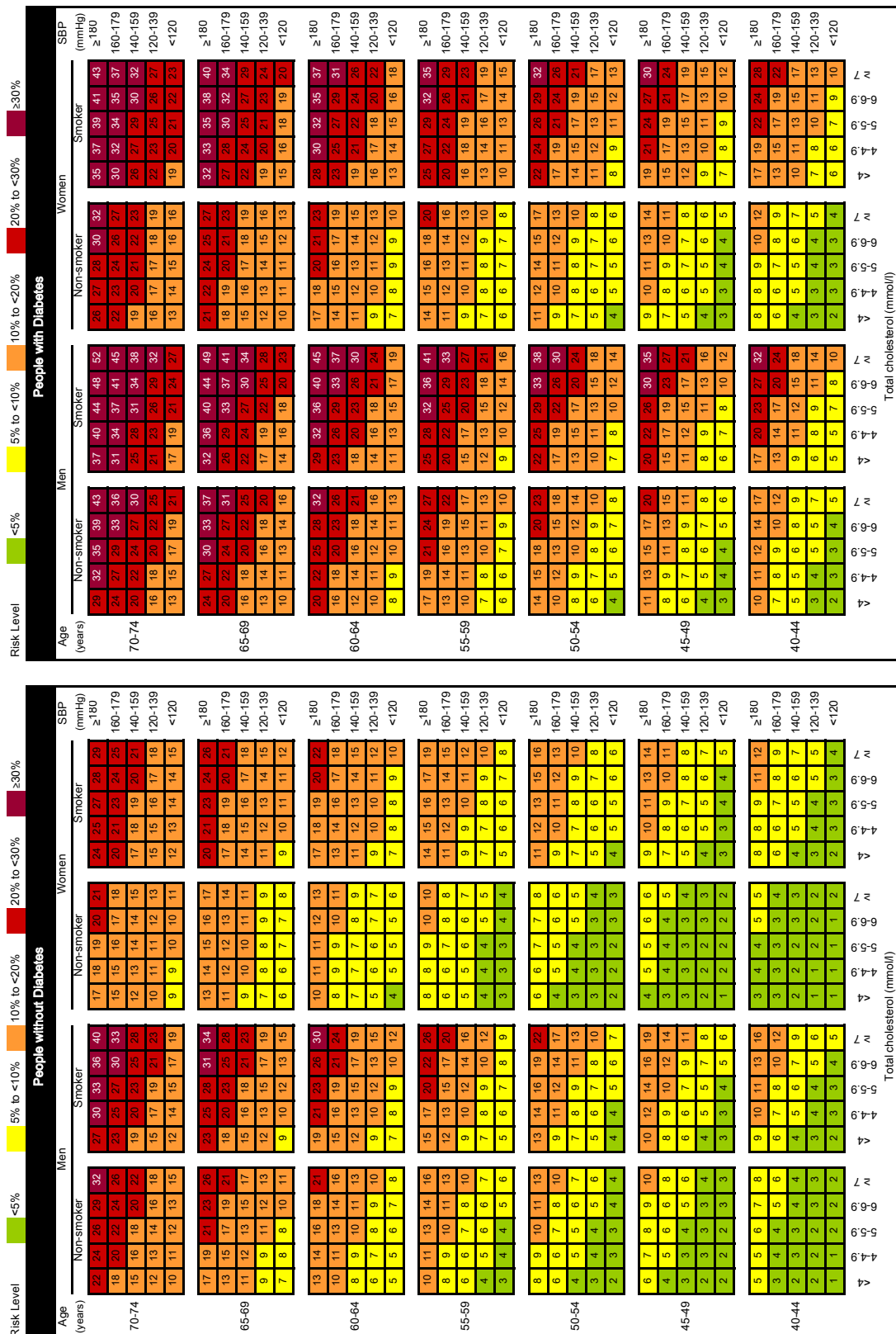


High-income North America

WHO cardiovascular disease risk laboratory-based charts

Caribbean

Antigua and Barbuda, Bahamas, Barbados, Belize, Bermuda, Cuba, Dominica, Dominican Republic, Guyana, Haiti, Jamaica, Puerto Rico, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago

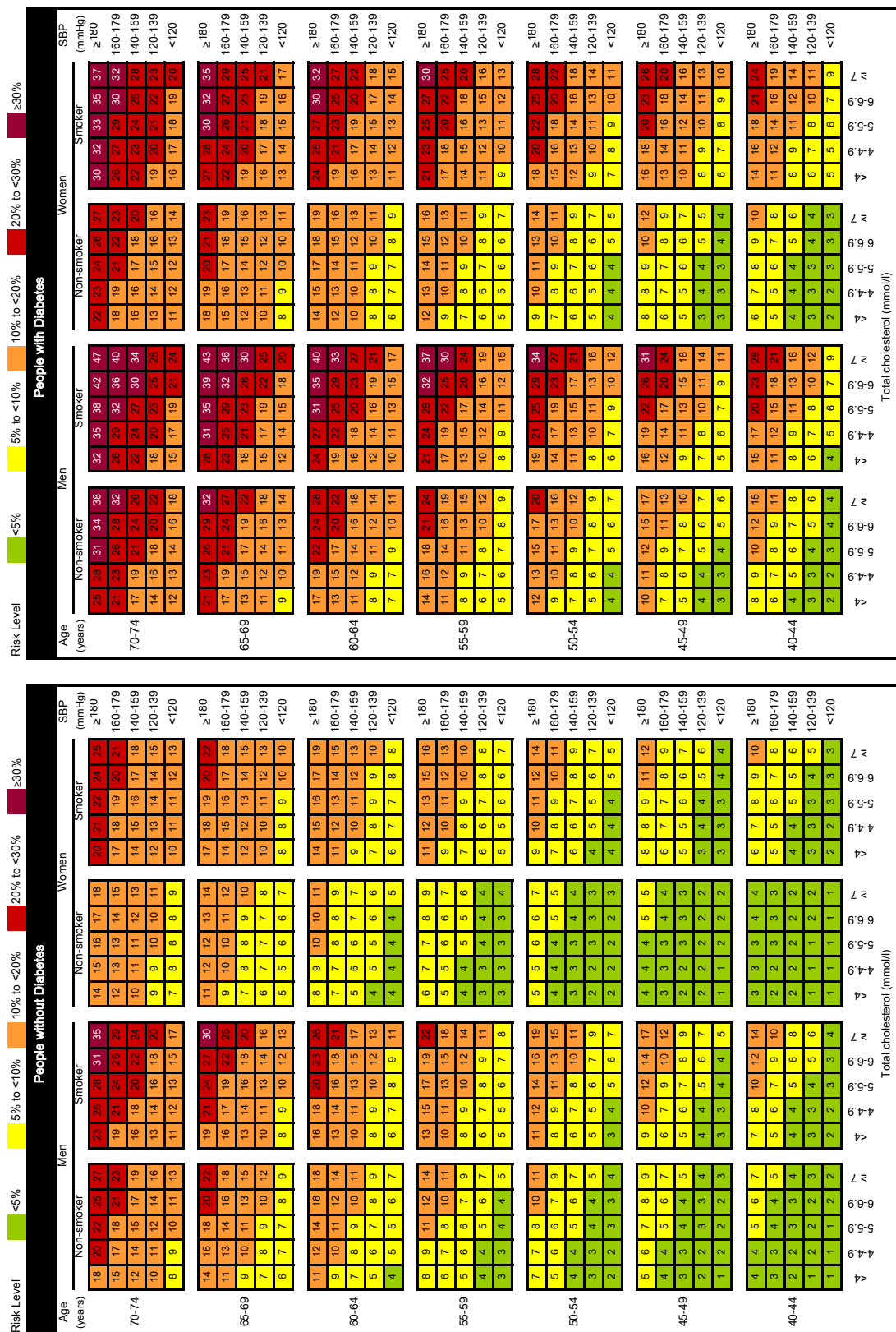


Caribbean

WHO cardiovascular disease risk laboratory-based charts

Central Latin America

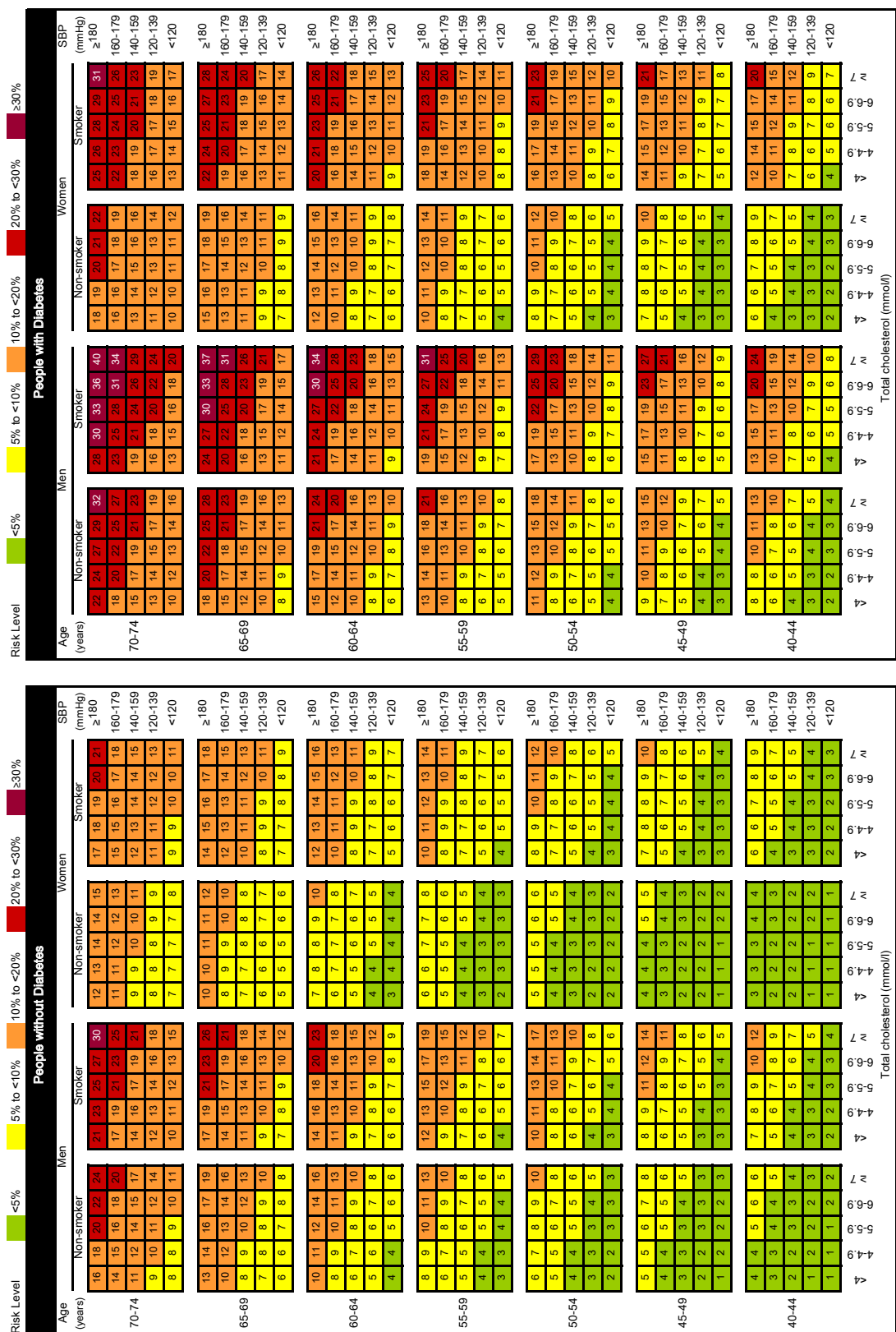
Colombia, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Venezuela (Bolivarian Republic of)



WHO cardiovascular disease risk laboratory-based charts

Andean Latin America

Bolivia, Ecuador, Peru

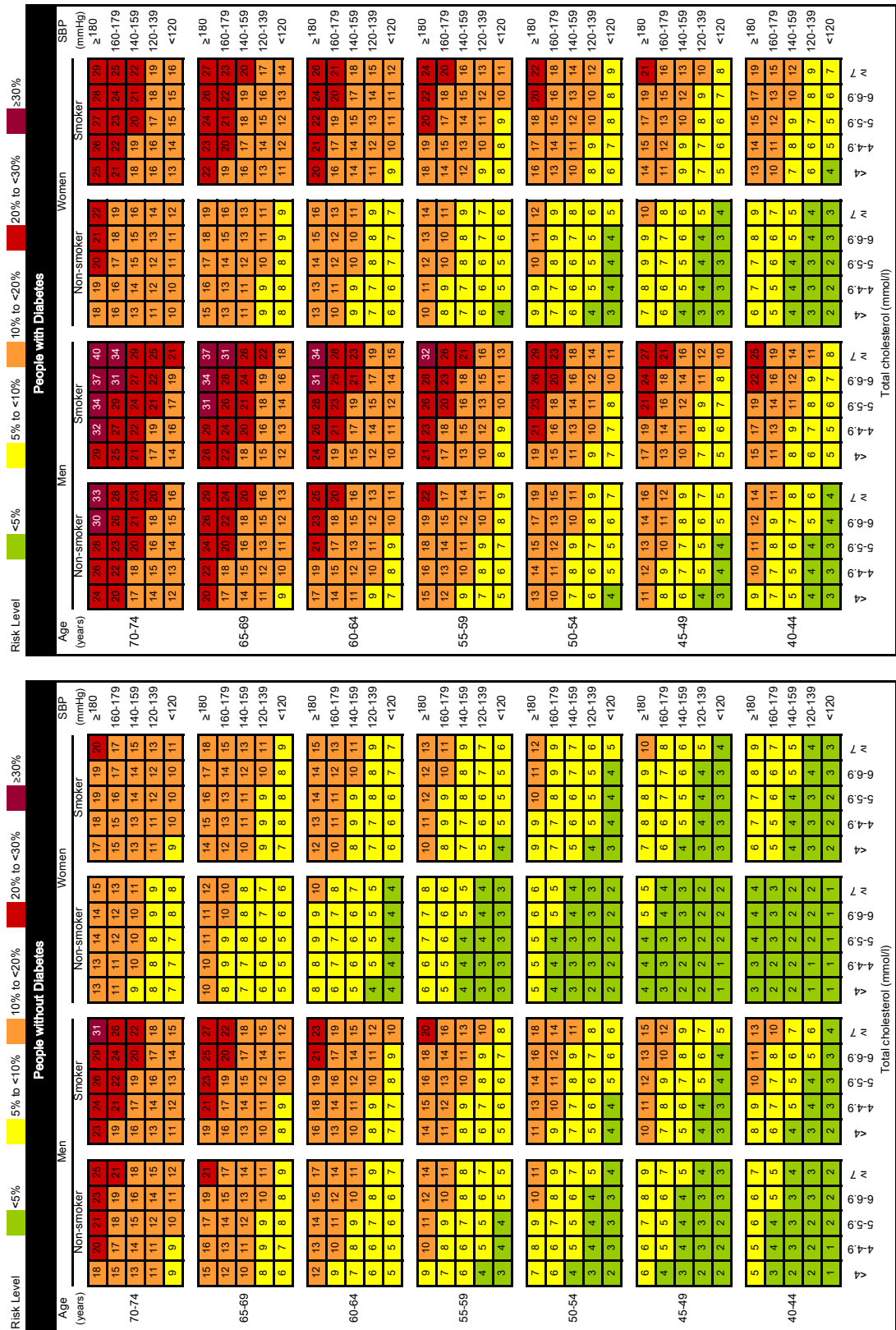


Andean Latin America

WHO cardiovascular disease risk laboratory-based charts

Tropical Latin America

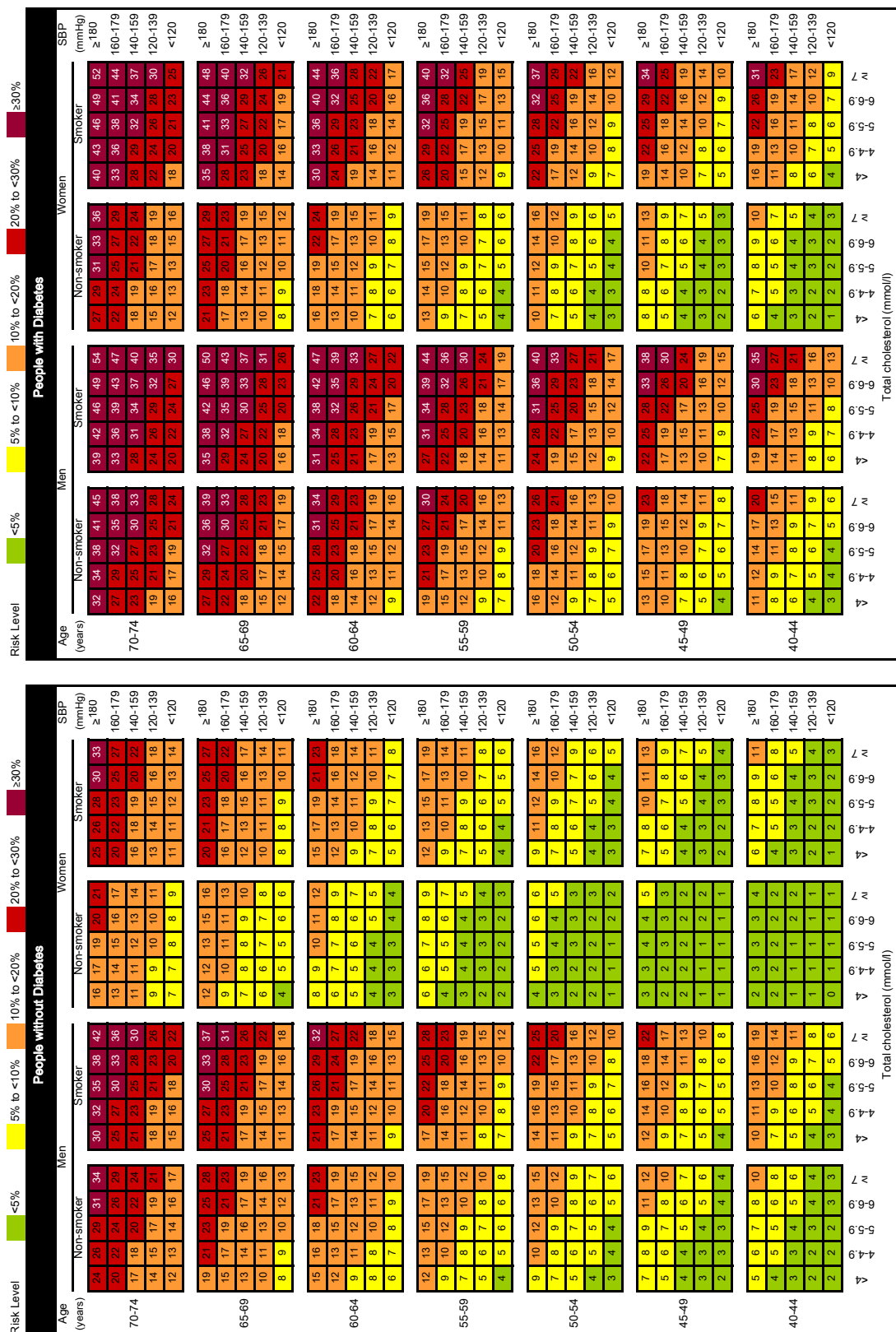
Brazil, Paraguay



WHO cardiovascular disease risk laboratory-based charts

Southern Latin America

Argentina, Chile, Uruguay

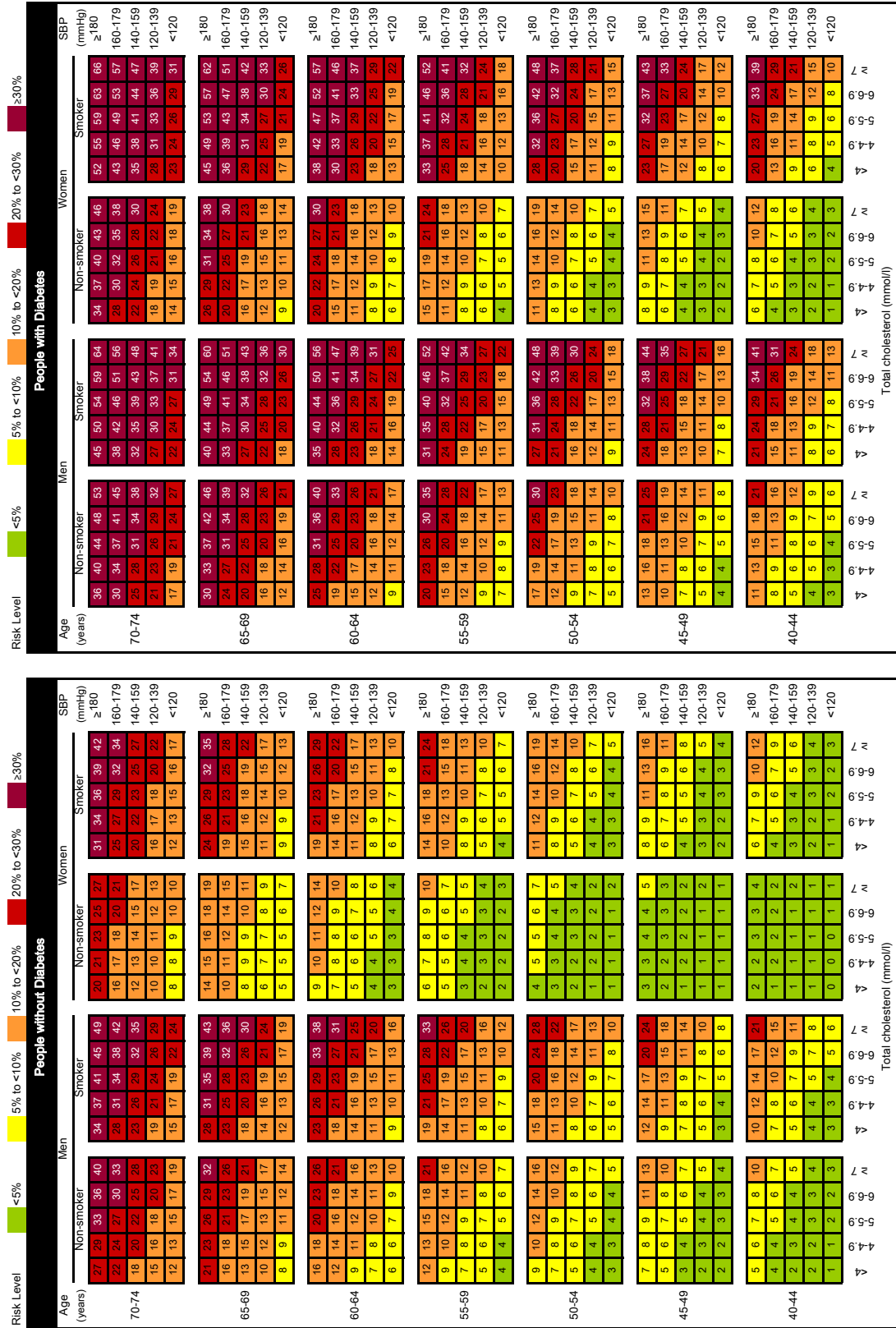


Southern Latin America

WHO cardiovascular disease risk laboratory-based charts

Western Europe

Andorra, Austria, Belgium, Cyprus, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Israel, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom



Western Europe

32

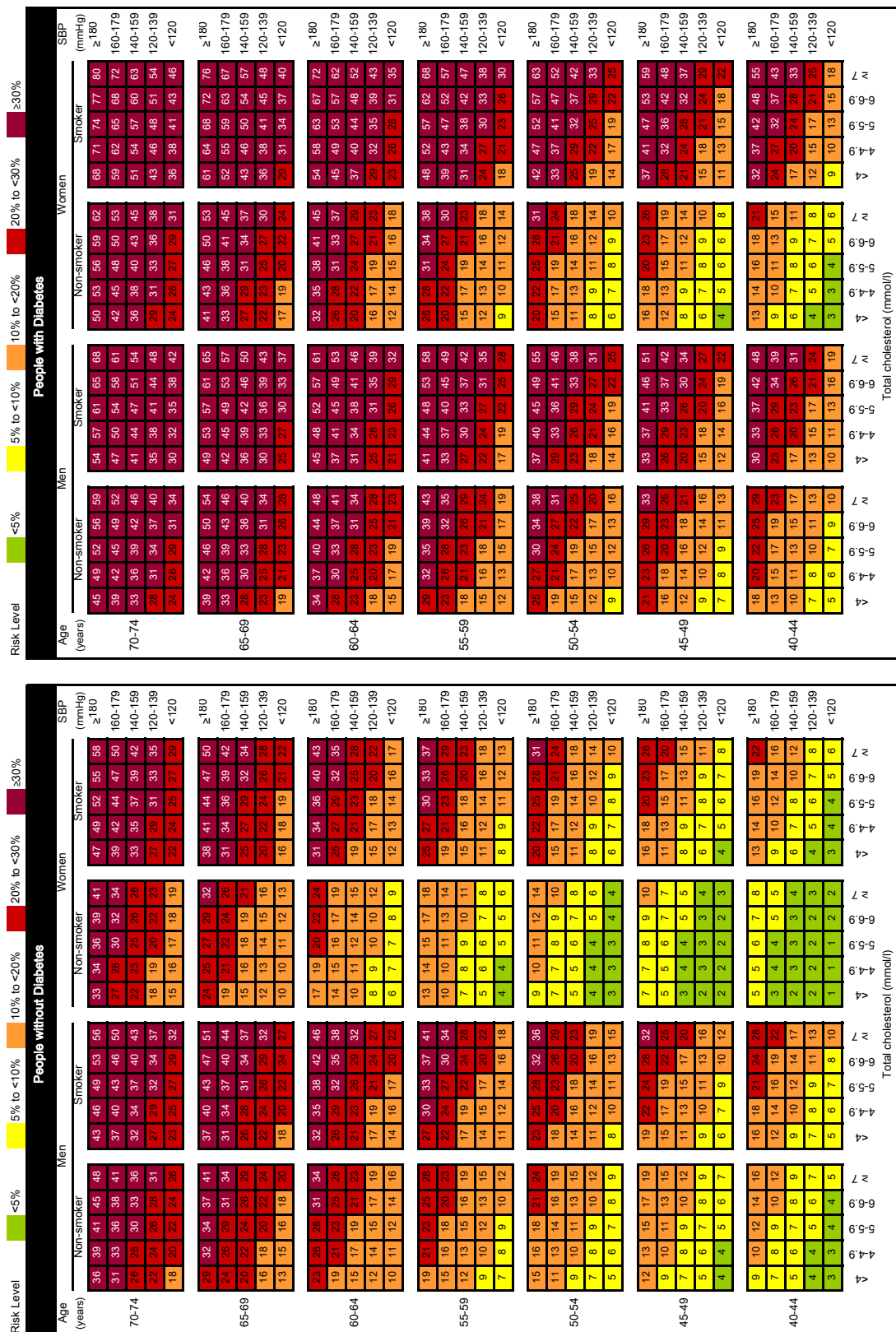
Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Hungary, Montenegro, North Macedonia, Poland, Romania, Serbia, Slovakia, Slovenia



WHO cardiovascular disease risk laboratory-based charts

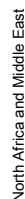
Eastern Europe

Belarus, Estonia, Latvia, Lithuania, Republic of Moldova, Russian Federation, Ukraine



North Africa and Middle East

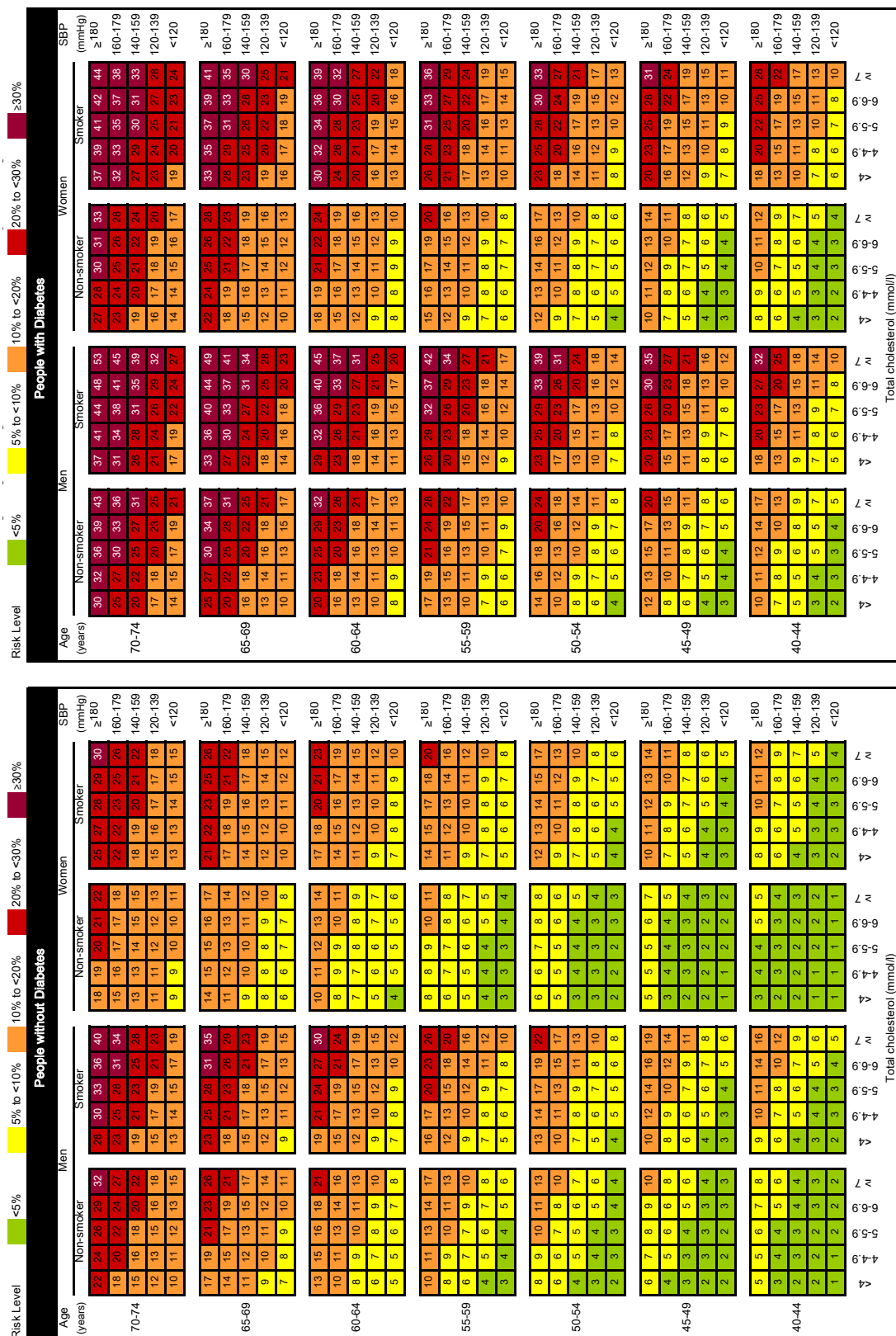
Tunisia, Turkey, United Arab Emirates, Yemen



WHO cardiovascular disease risk laboratory-based charts

Western Sub-Saharan Africa

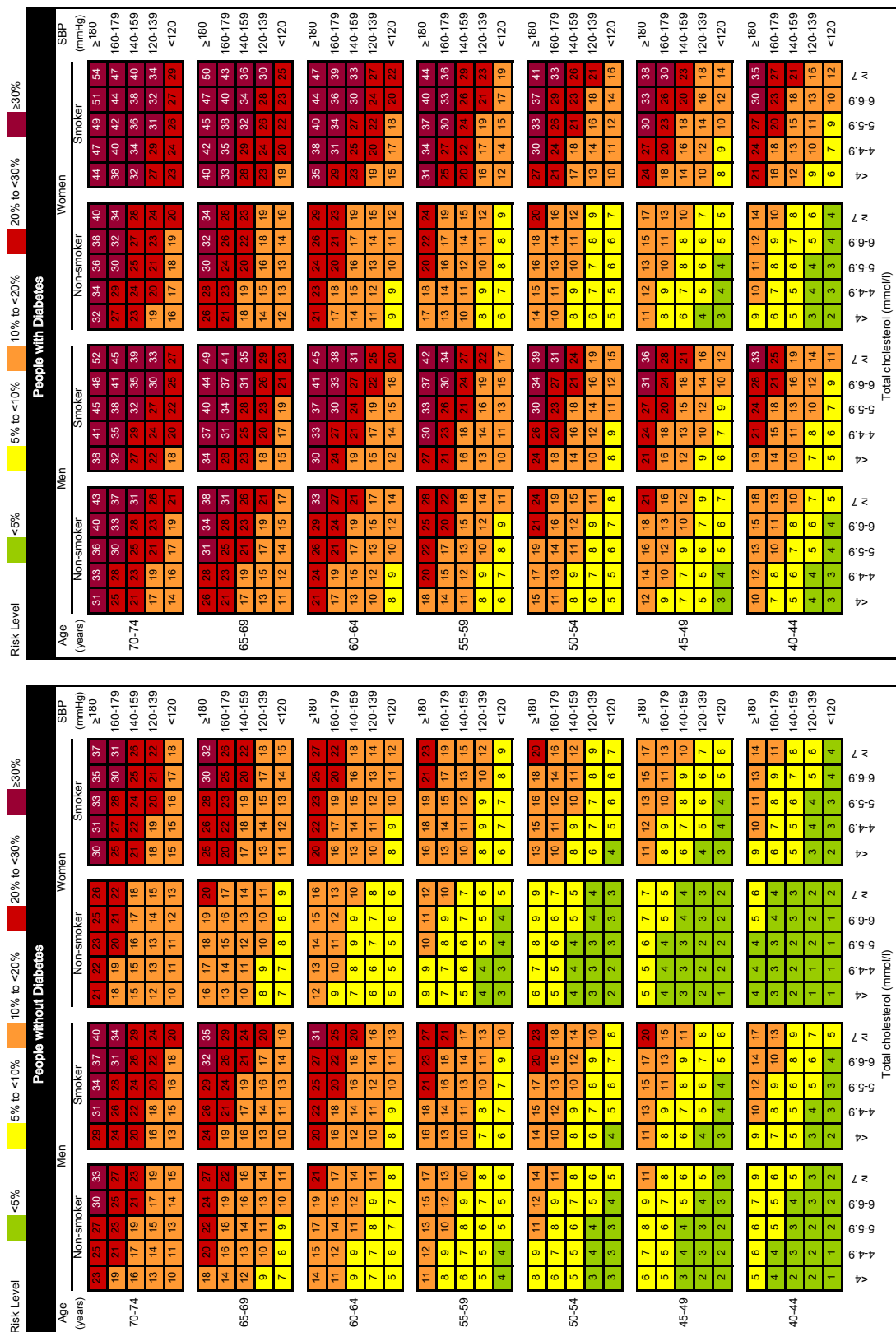
Benin, Burkina Faso, Cabo Verde, Cameroon, Chad, Cote d'Ivoire, Gambia, Ghana, Guinea, Guinea-Bissau, Liberia, Mali, Mauritania, Niger, Nigeria, Sao Tome and Principe, Senegal, Sierra Leone, Togo



WHO cardiovascular disease risk laboratory-based charts

Central Sub-Saharan Africa

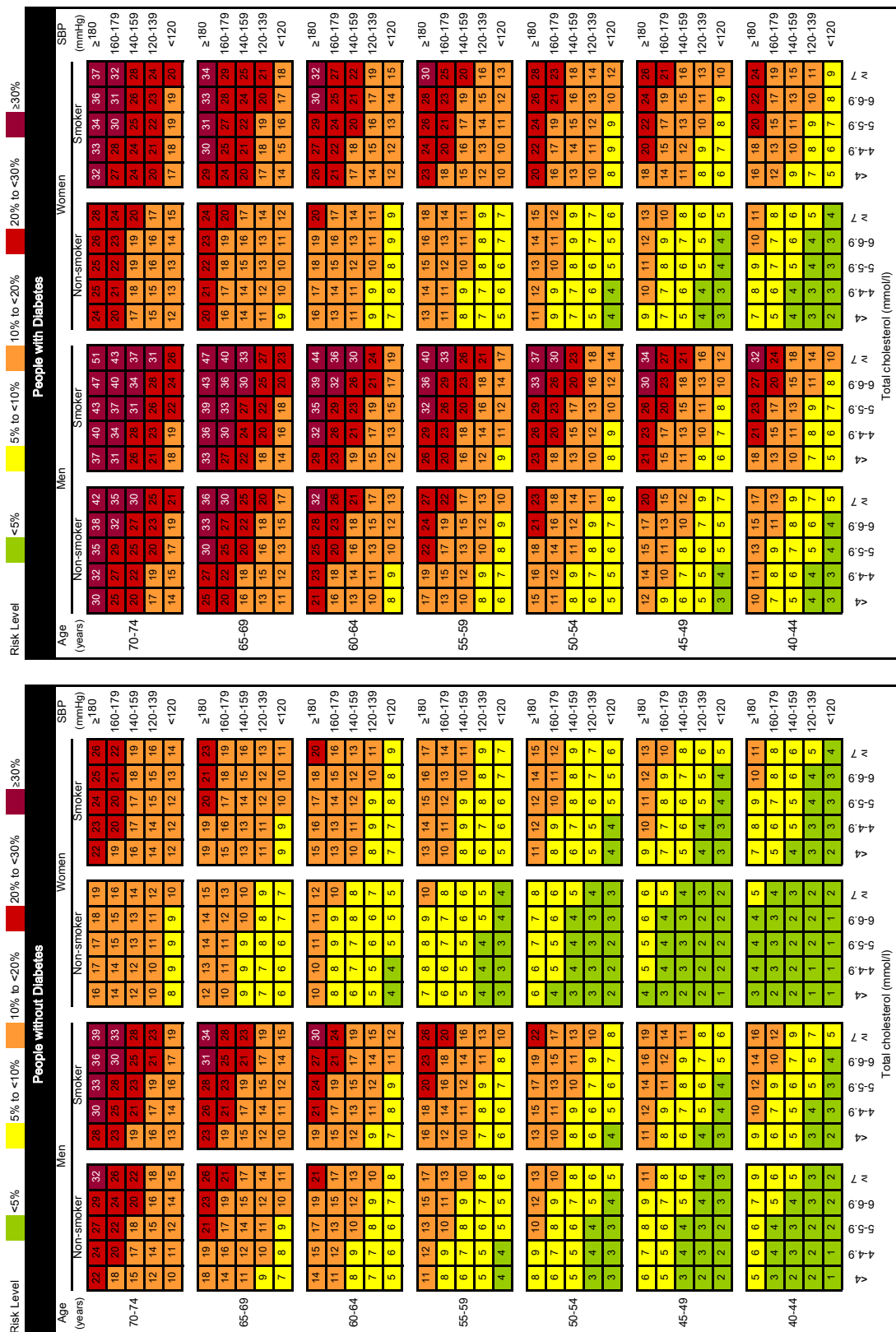
Angola, Central African Republic, Congo, Democratic Republic of the Congo, Equatorial Guinea, Gabon



WHO cardiovascular disease risk laboratory-based charts

Eastern Sub-Saharan Africa

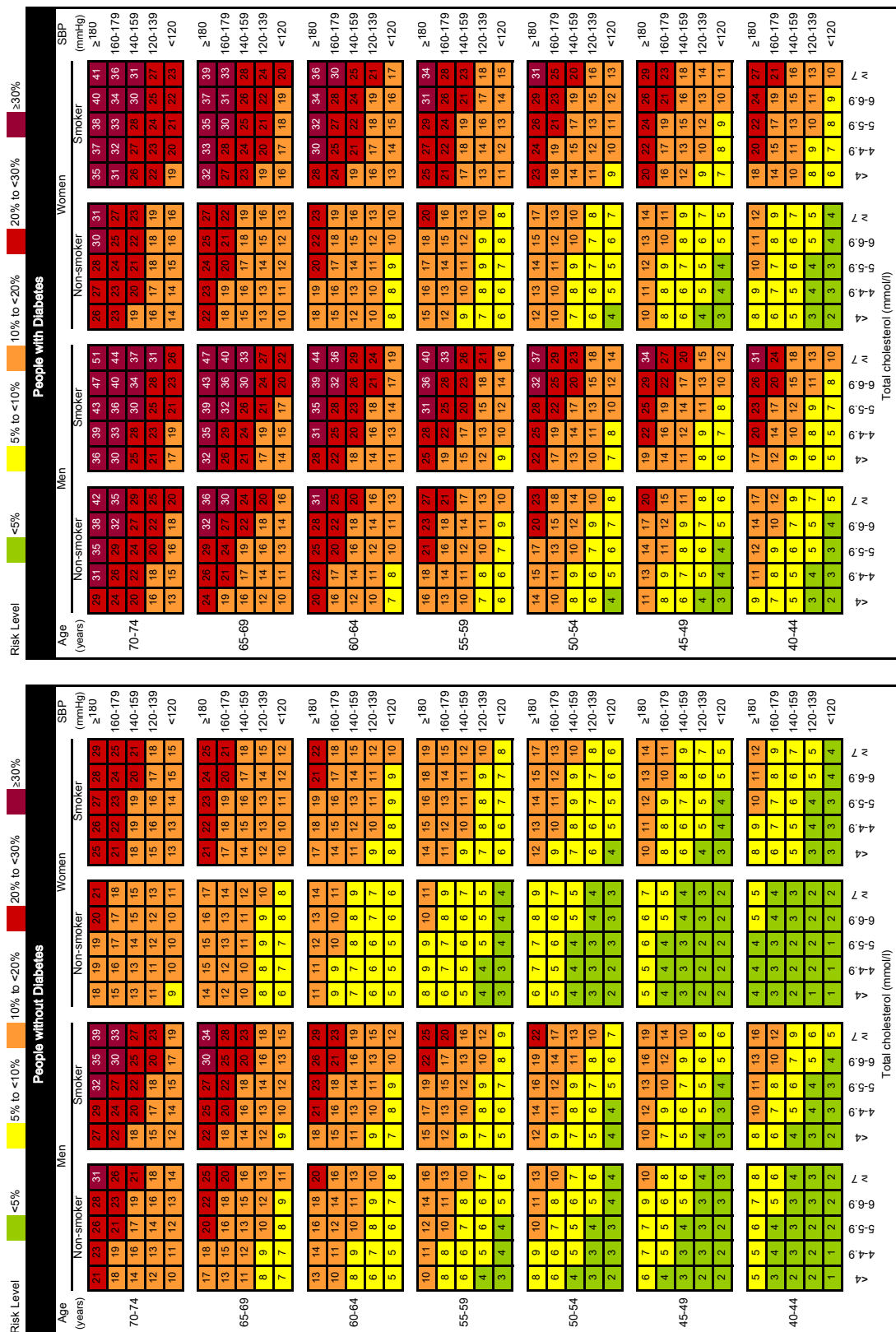
Burundi, Comoros, Djibouti, Eritrea, Ethiopia, Kenya, Madagascar, Malawi, Mozambique, Rwanda, Somalia, Uganda, United Republic of Tanzania, Zambia



WHO cardiovascular disease risk laboratory-based charts

Southern Sub-Saharan Africa

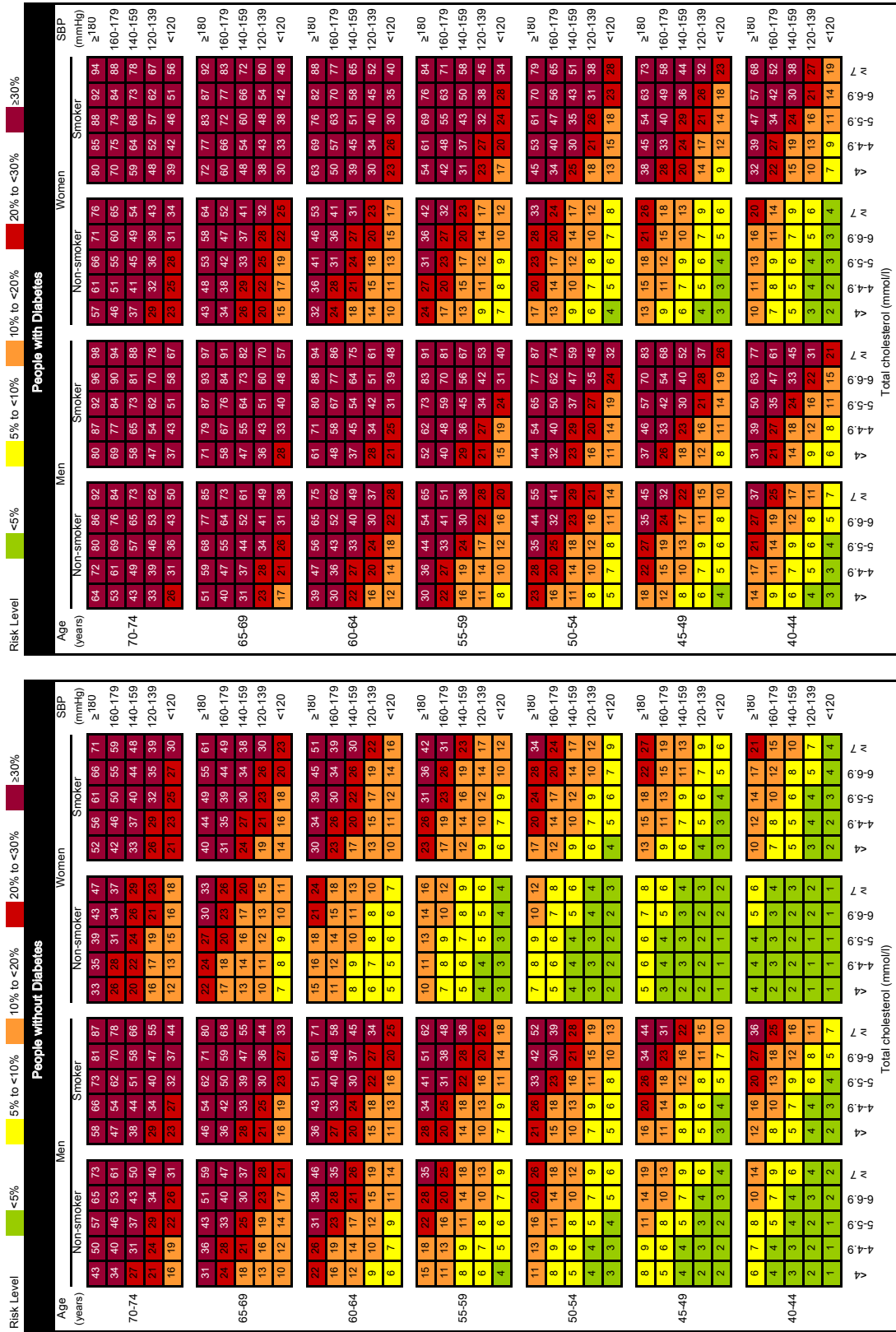
Botswana, Eswatini, Lesotho, Namibia, South Africa, Zimbabwe



WHO cardiovascular disease risk laboratory-based charts

Central Asia

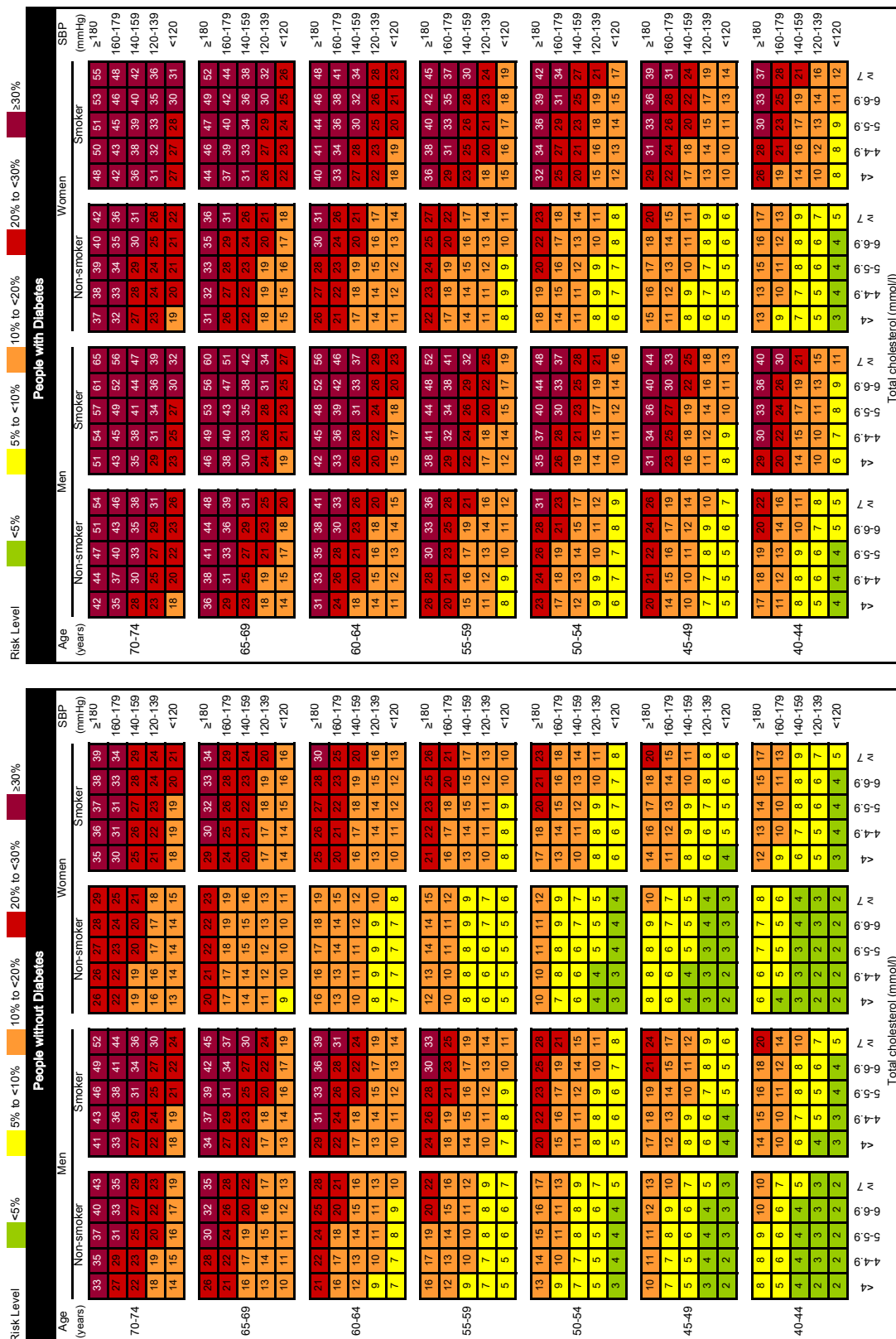
Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyzstan, Mongolia, Tajikistan, Turkmenistan, Uzbekistan



WHO cardiovascular disease risk laboratory-based charts

East Asia

China, Democratic People's Republic of Korea

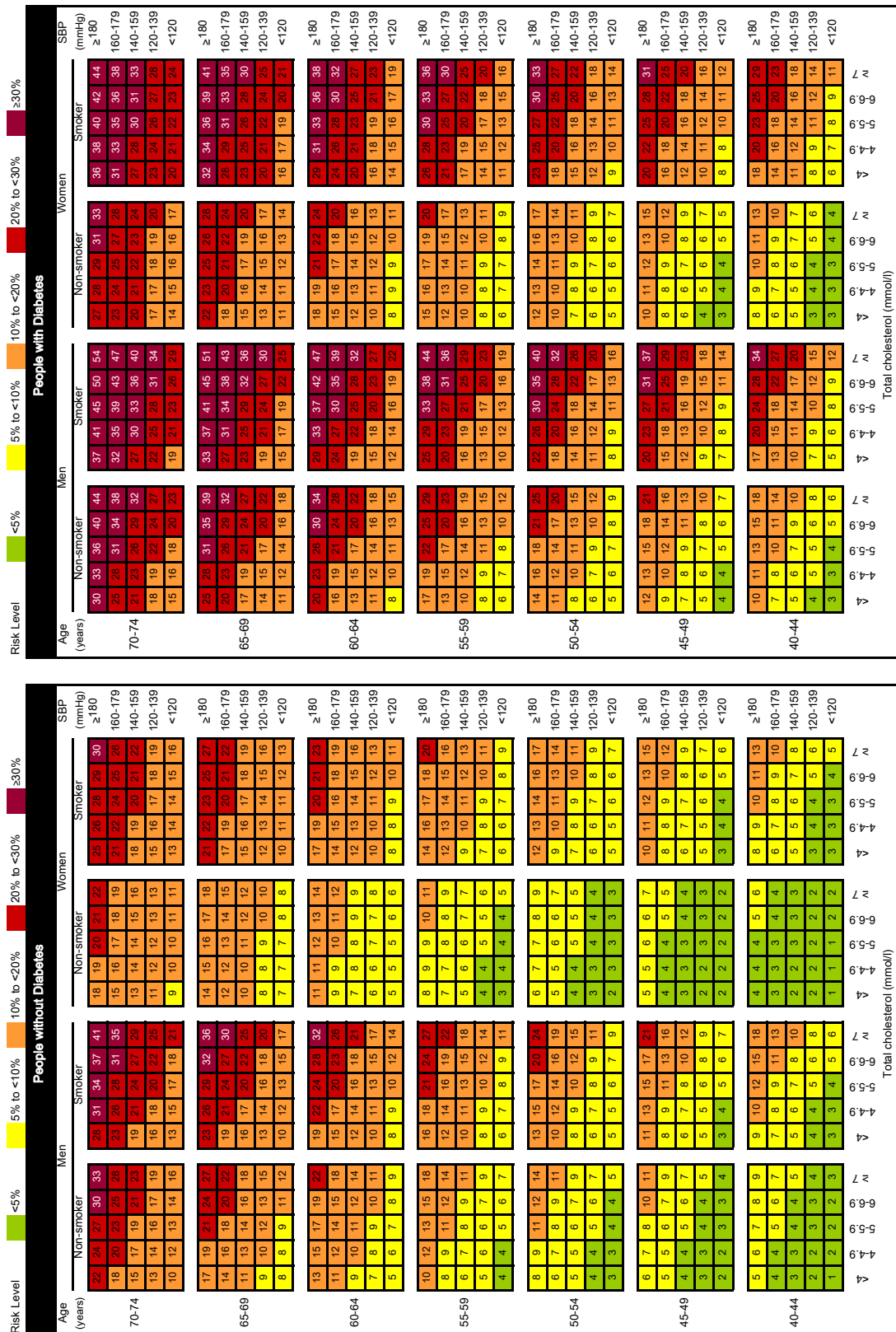


East Asia

WHO cardiovascular disease risk laboratory-based charts

South Asia

Bangladesh, Bhutan, India, Nepal, Pakistan



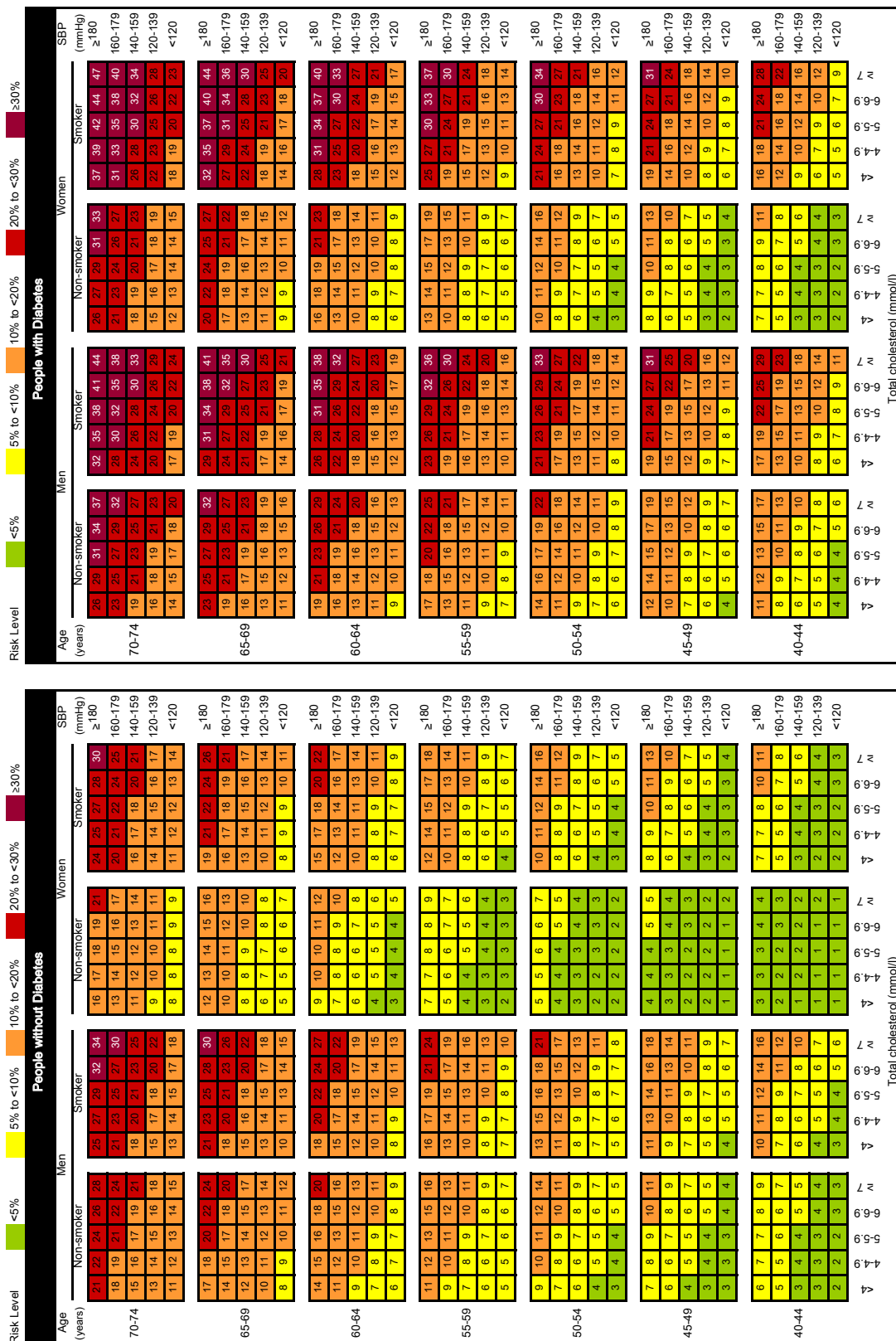
Risk Level	<5%	5% to <10%	10% to <20%	20% to <30%	≥30%
Low	100%	100%	100%	100%	100%
Medium	100%	100%	100%	100%	100%
High	100%	100%	100%	100%	100%
Very High	100%	100%	100%	100%	100%
Extreme	100%	100%	100%	100%	100%



WHO cardiovascular disease risk laboratory-based charts

High-income Asia Pacific

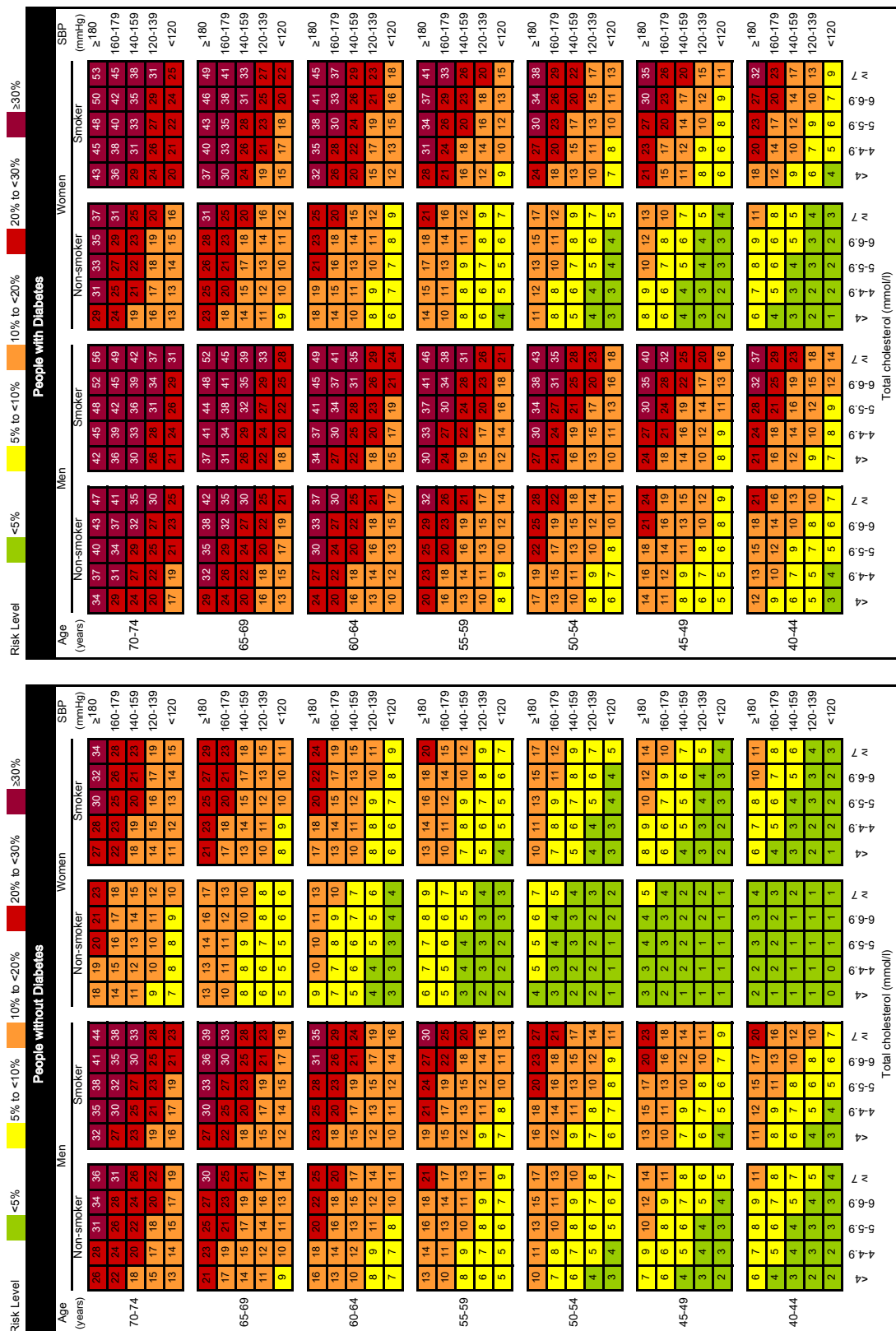
Brunei Darussalam, Japan, Republic of Korea, Singapore



High-income Asia Pacific

WHO cardiovascular disease risk laboratory-based charts

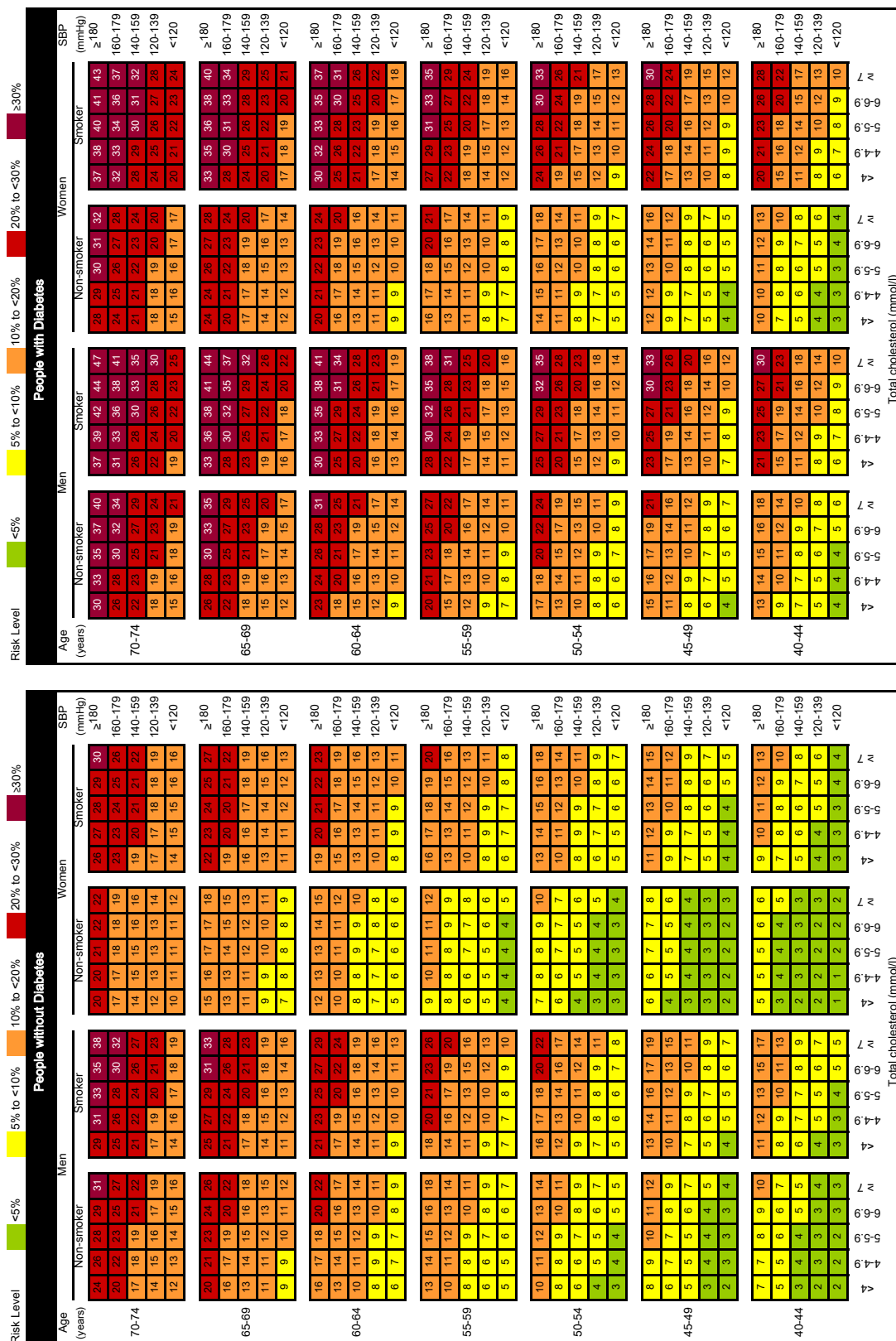
Australasia
Australia, New Zealand



WHO cardiovascular disease risk laboratory-based charts

Oceania

Fiji, Kiribati, Marshall Islands, Micronesia (Federated States of), Papua New Guinea, Samoa, Solomon Islands, Tonga, Vanuatu

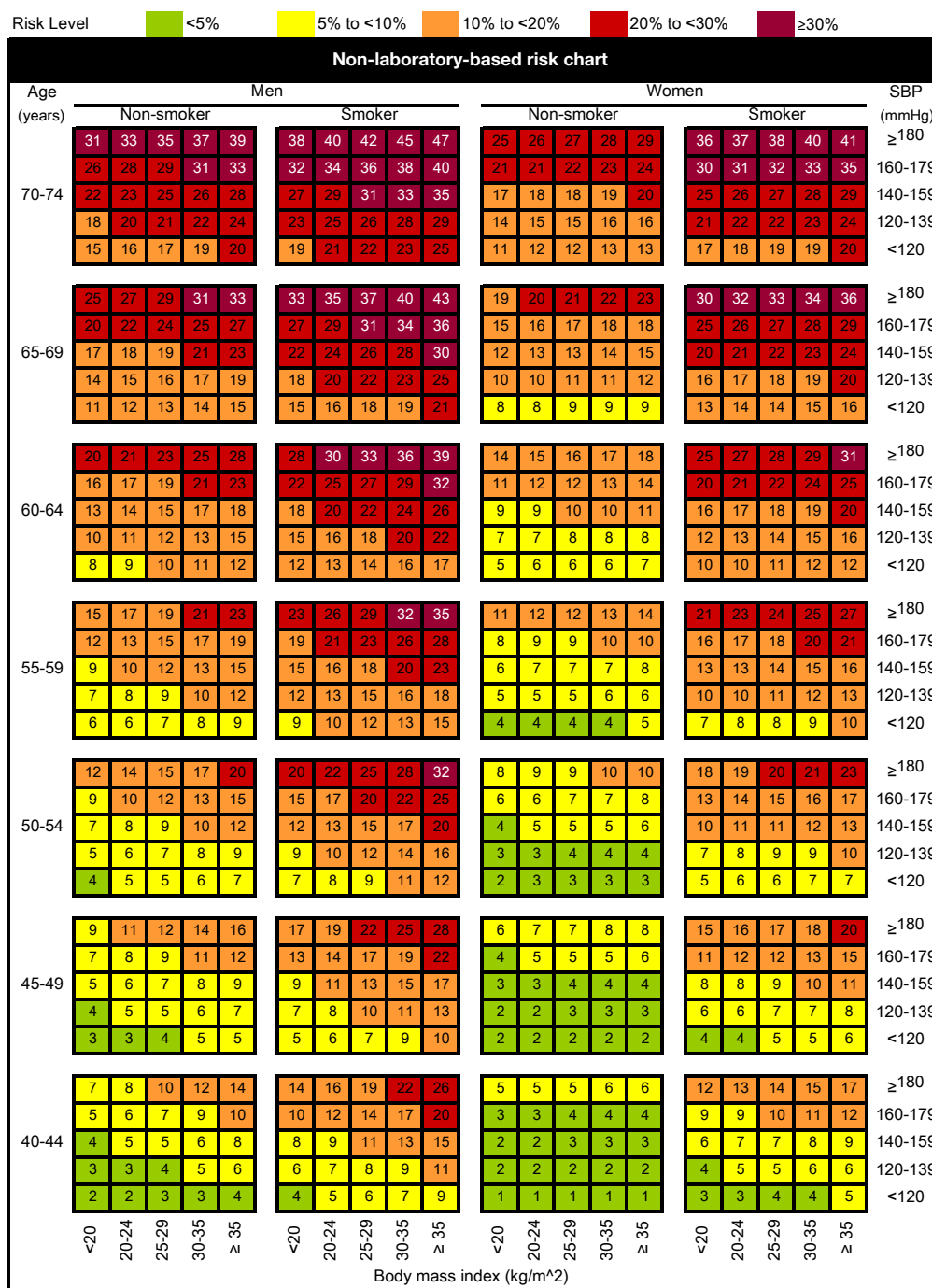


Oceania

Annex 3: WHO CVD risk (non-laboratory-based) charts

WHO cardiovascular disease risk non-laboratory-based charts

High-income North America
Canada, Greenland, United States of America

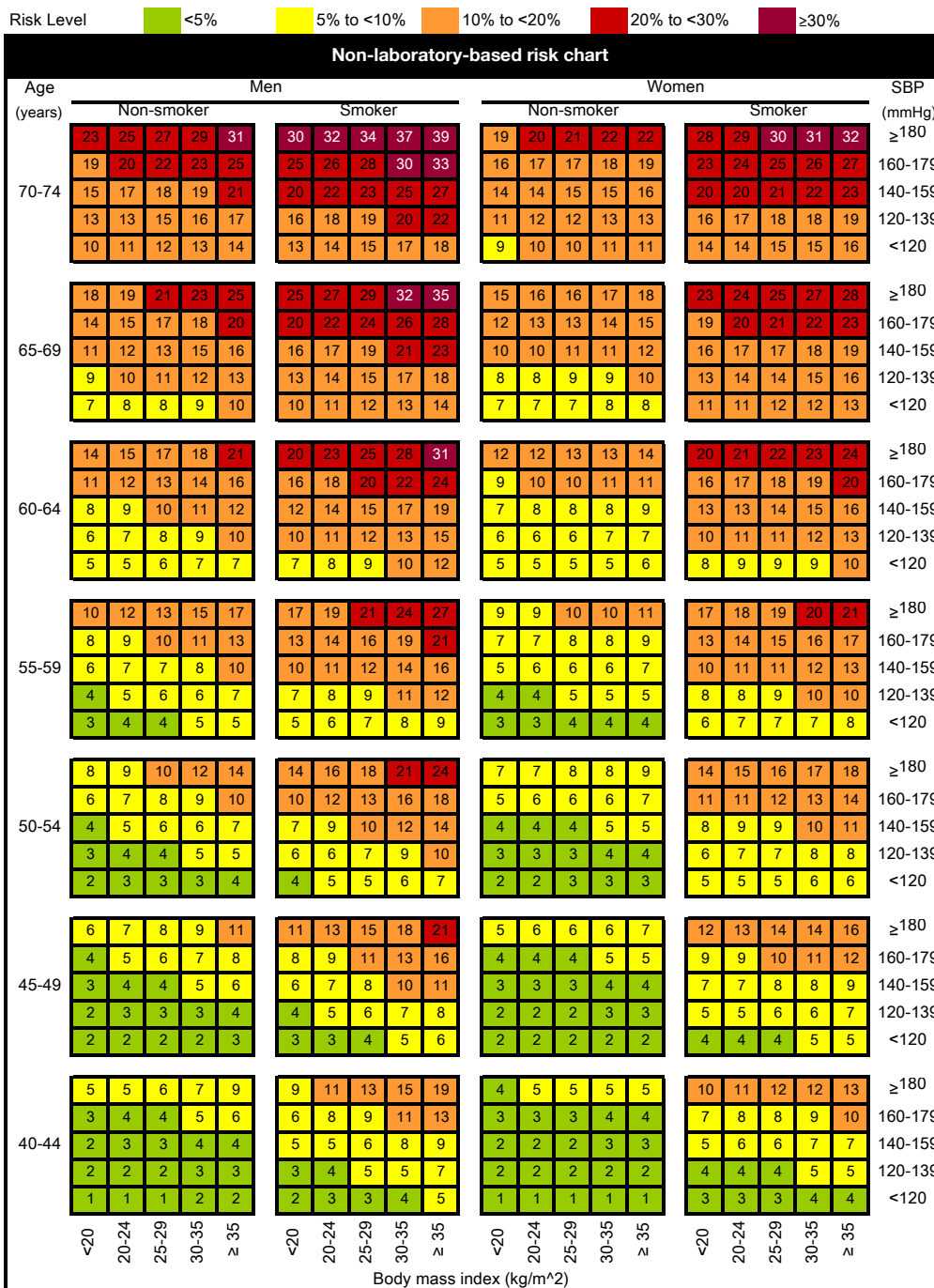


High-income North America

WHO cardiovascular disease risk non-laboratory-based charts

Caribbean

Antigua and Barbuda, Bahamas, Barbados, Belize, Bermuda, Cuba, Dominica, Dominican Republic, Grenada, Guyana, Haiti, Jamaica, Puerto Rico, Saint Lucia, Saint Vincent and the Grenadines, Suriname, Trinidad and Tobago

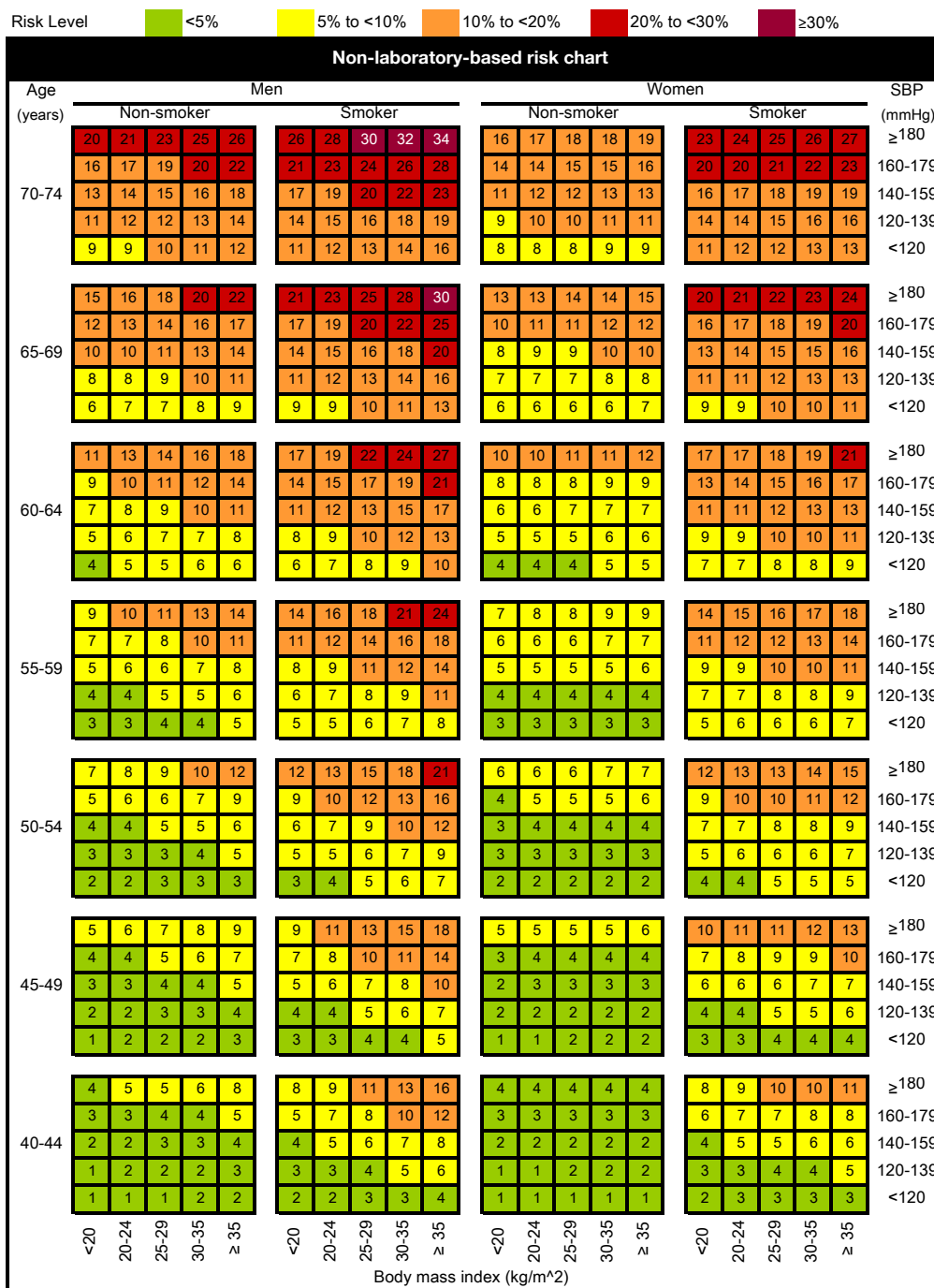


Caribbean

WHO cardiovascular disease risk non-laboratory-based charts

Central Latin America

Colombia, Costa Rica, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Venezuela (Bolivarian Republic of)

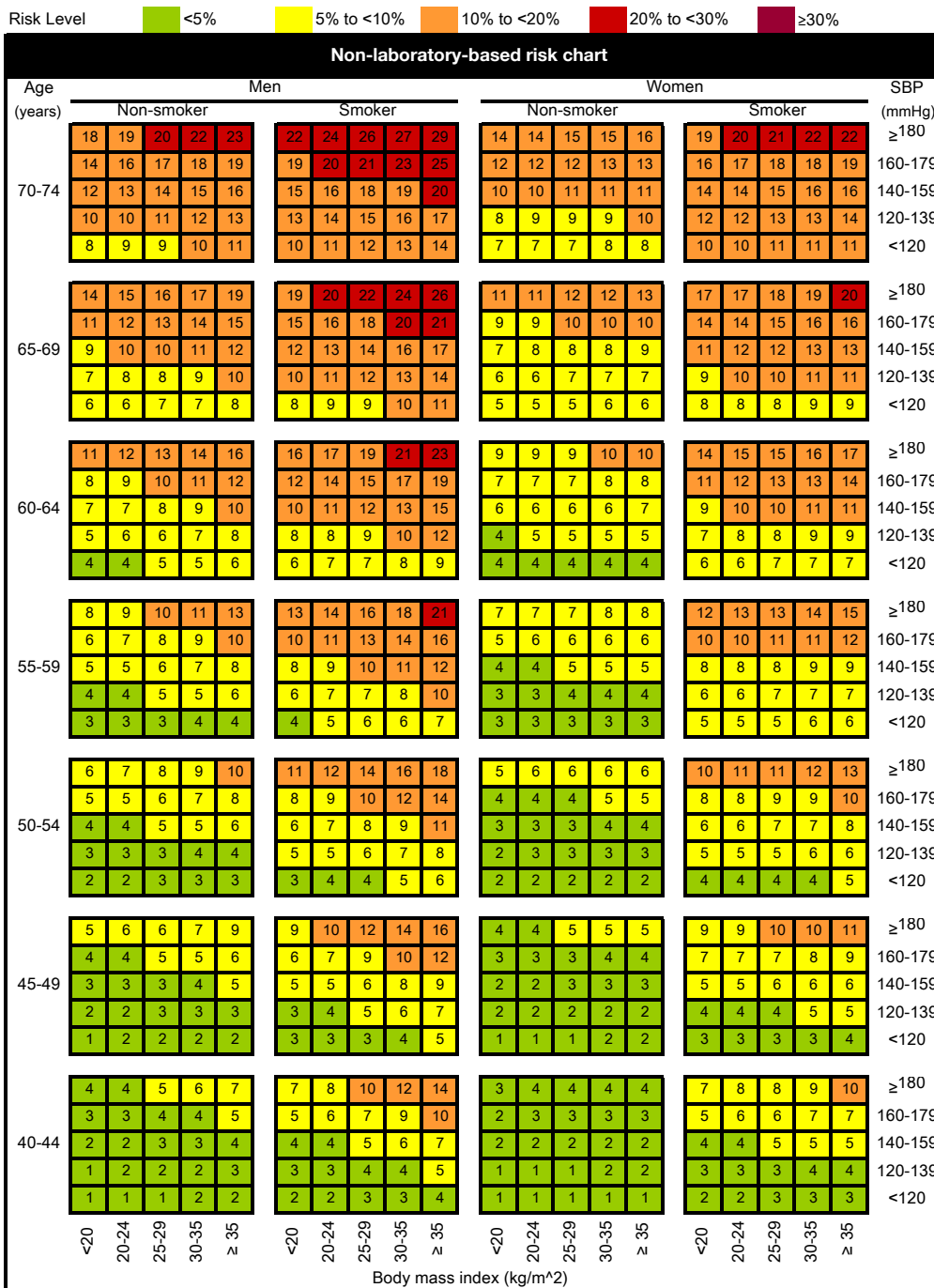


Central Latin America

WHO cardiovascular disease risk non-laboratory-based charts

Andean Latin America

Bolivia, Ecuador, Peru

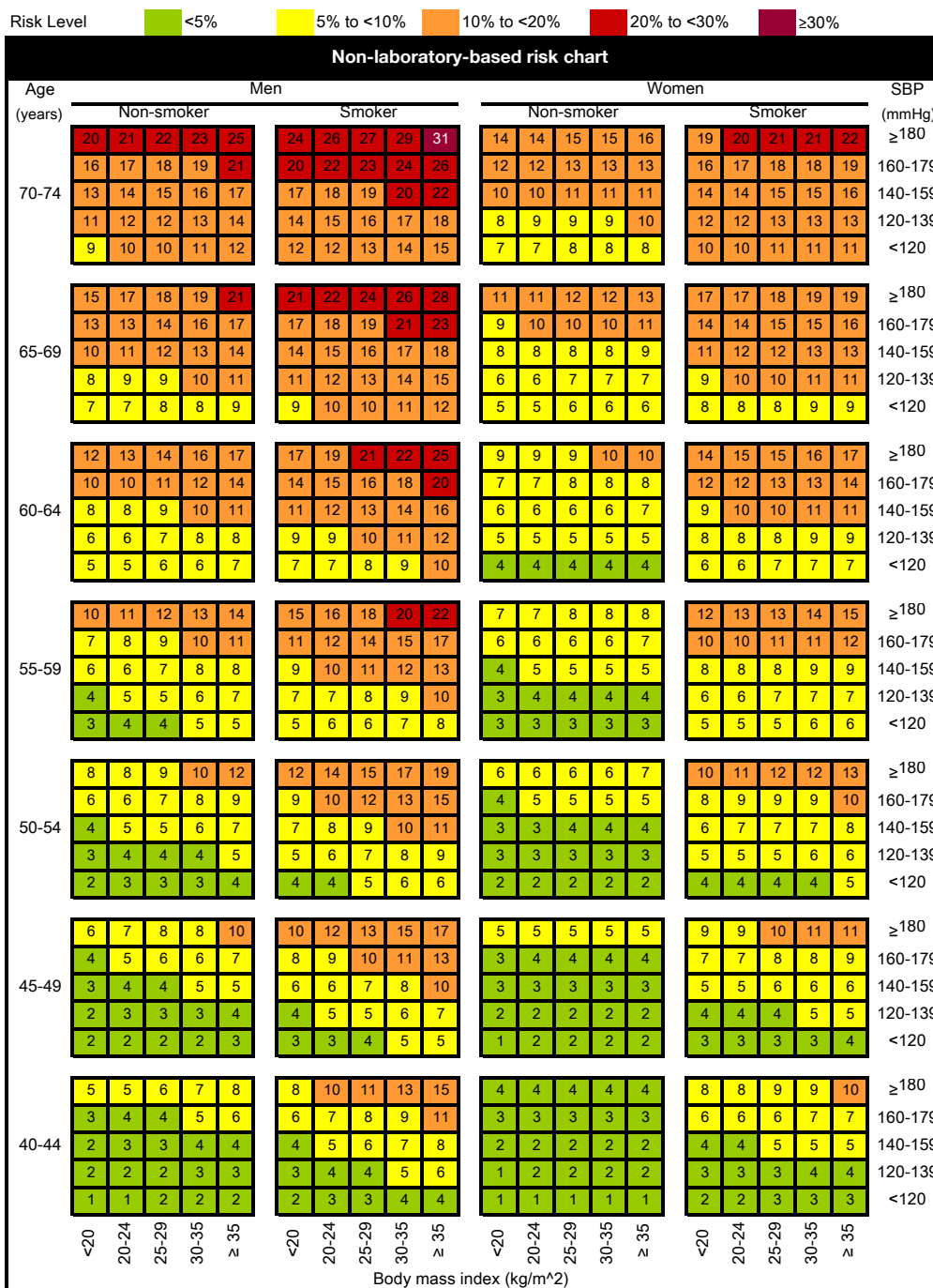


Andean Latin America

WHO cardiovascular disease risk non-laboratory-based charts

Tropical Latin America

Brazil, Paraguay

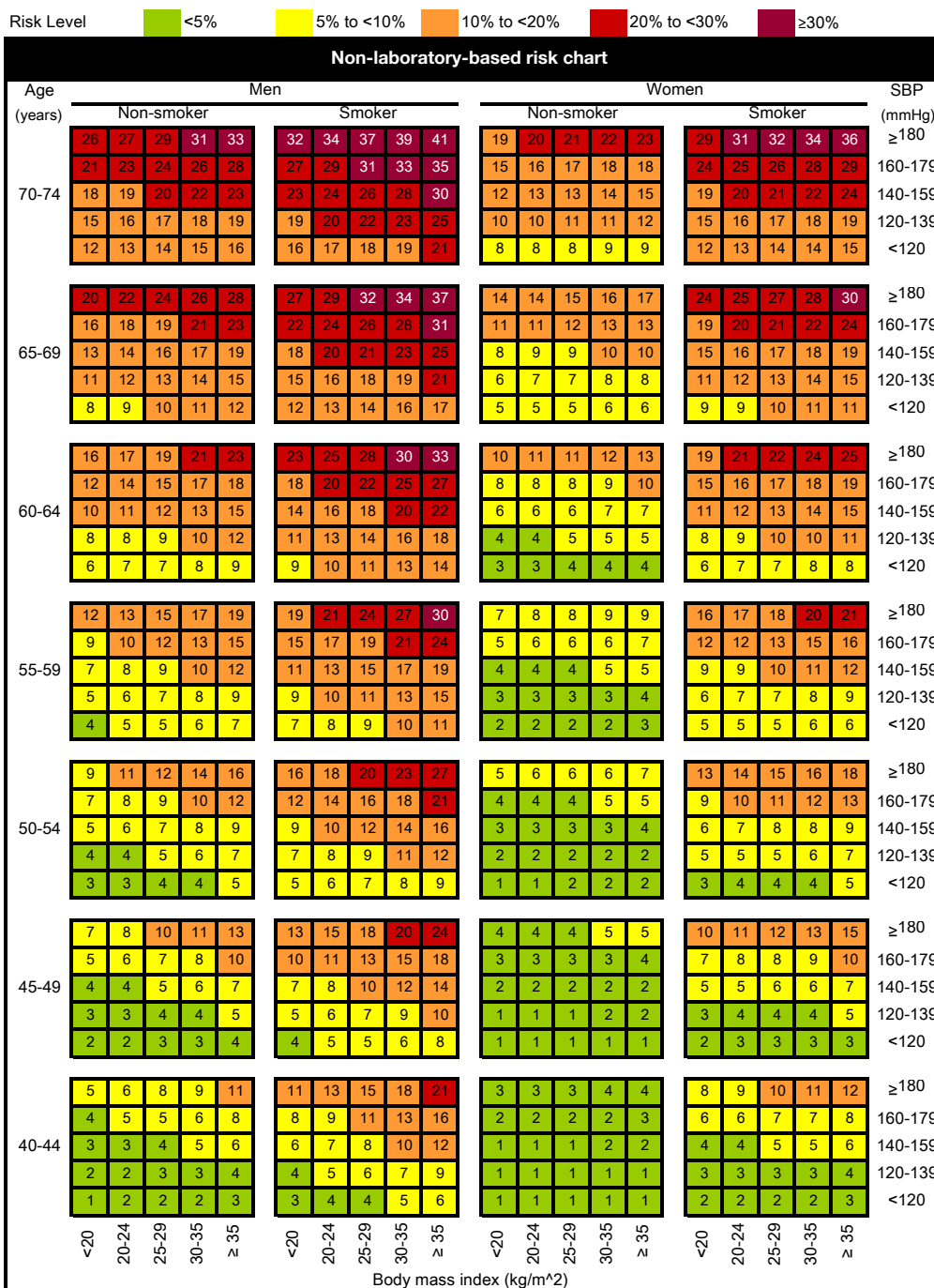


Tropical Latin America

WHO cardiovascular disease risk non-laboratory-based charts

Southern Latin America

Argentina, Chile, Uruguay

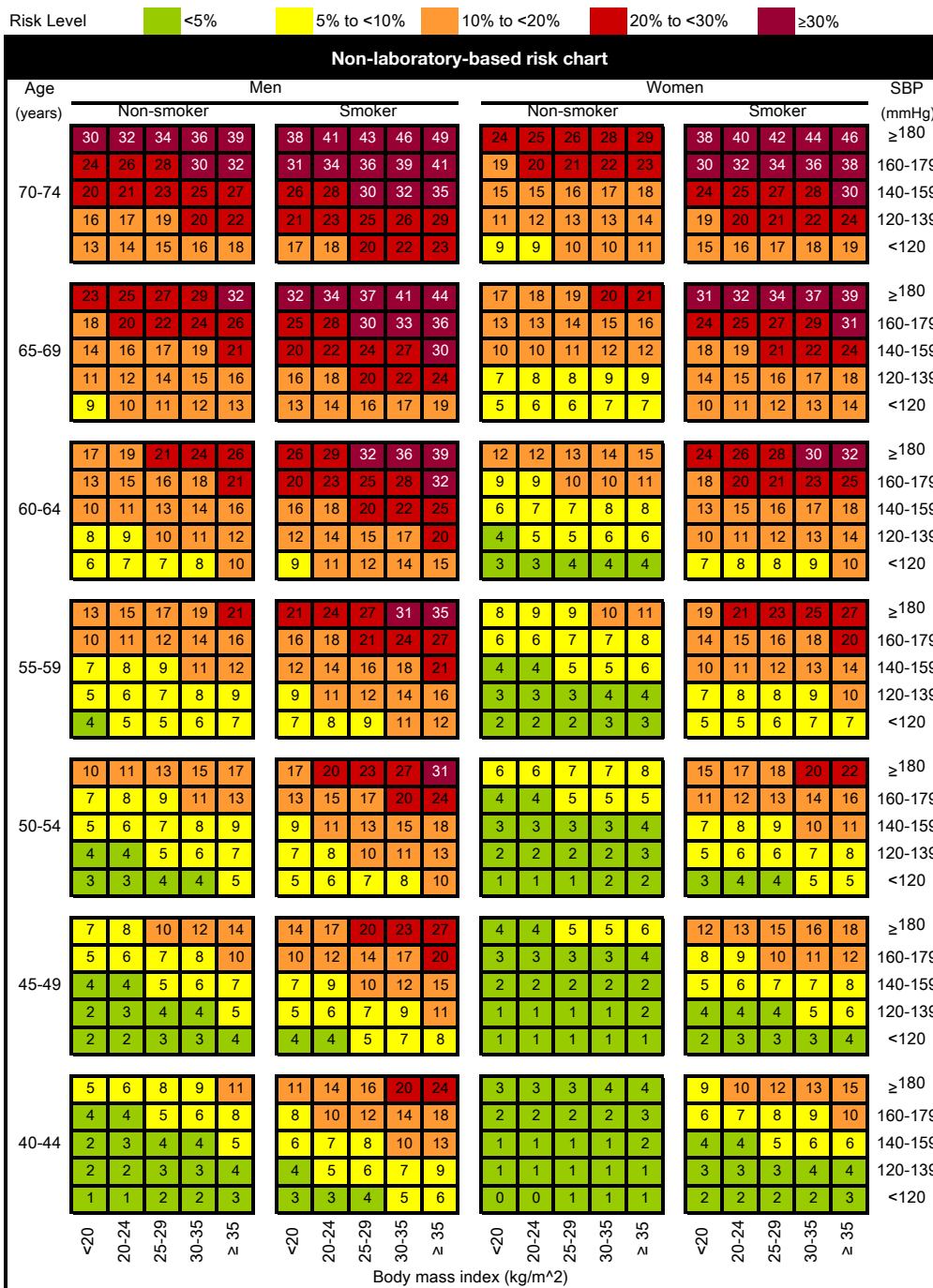


Southern Latin America

WHO cardiovascular disease risk non-laboratory-based charts

Western Europe

Andorra, Austria, Belgium, Cyprus, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Israel, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom

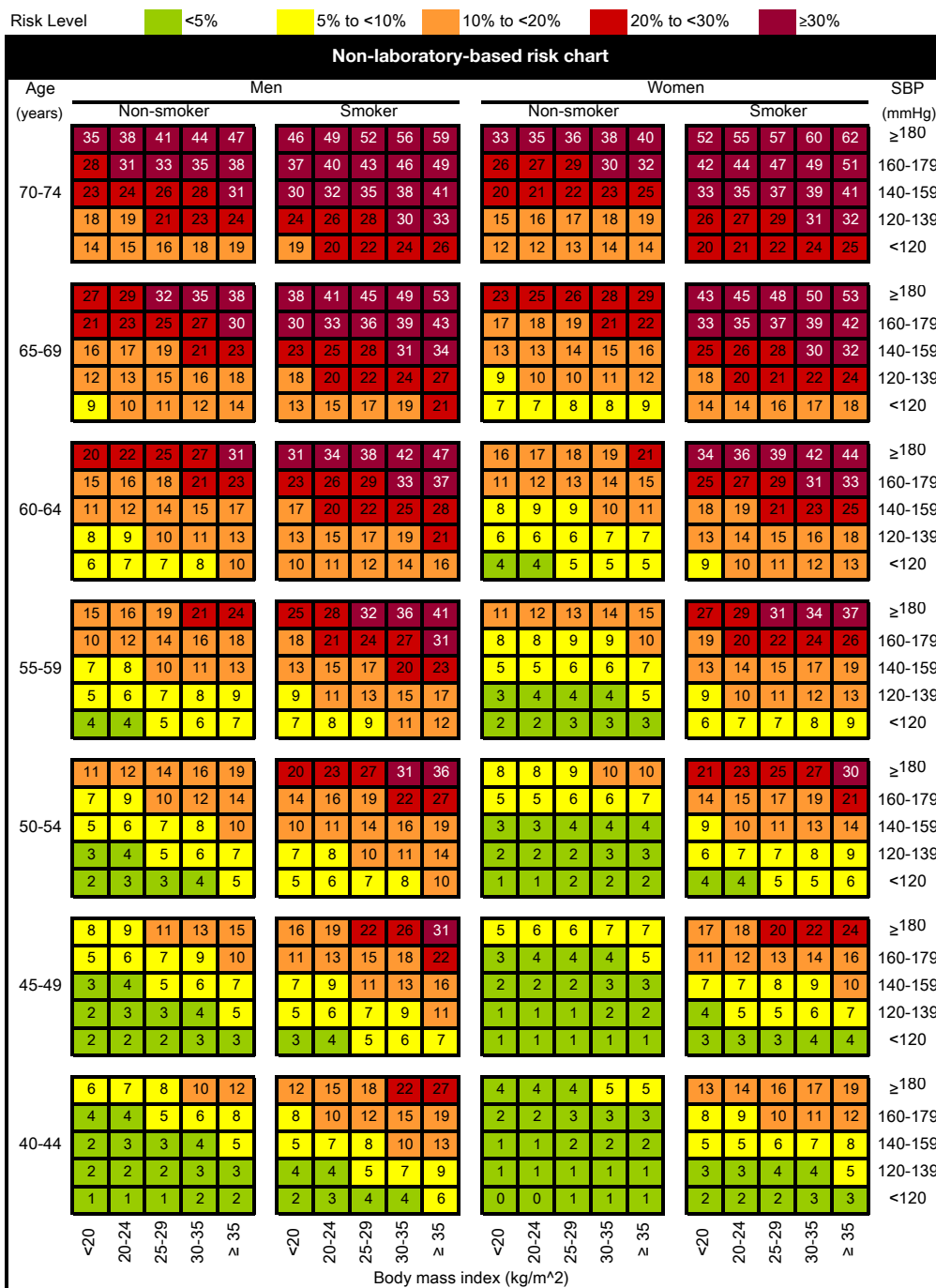


Western Europe

WHO cardiovascular disease risk non-laboratory-based charts

Central Europe

Albania, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Hungary, Montenegro, North Macedonia, Poland, Romania, Serbia, Slovakia, Slovenia

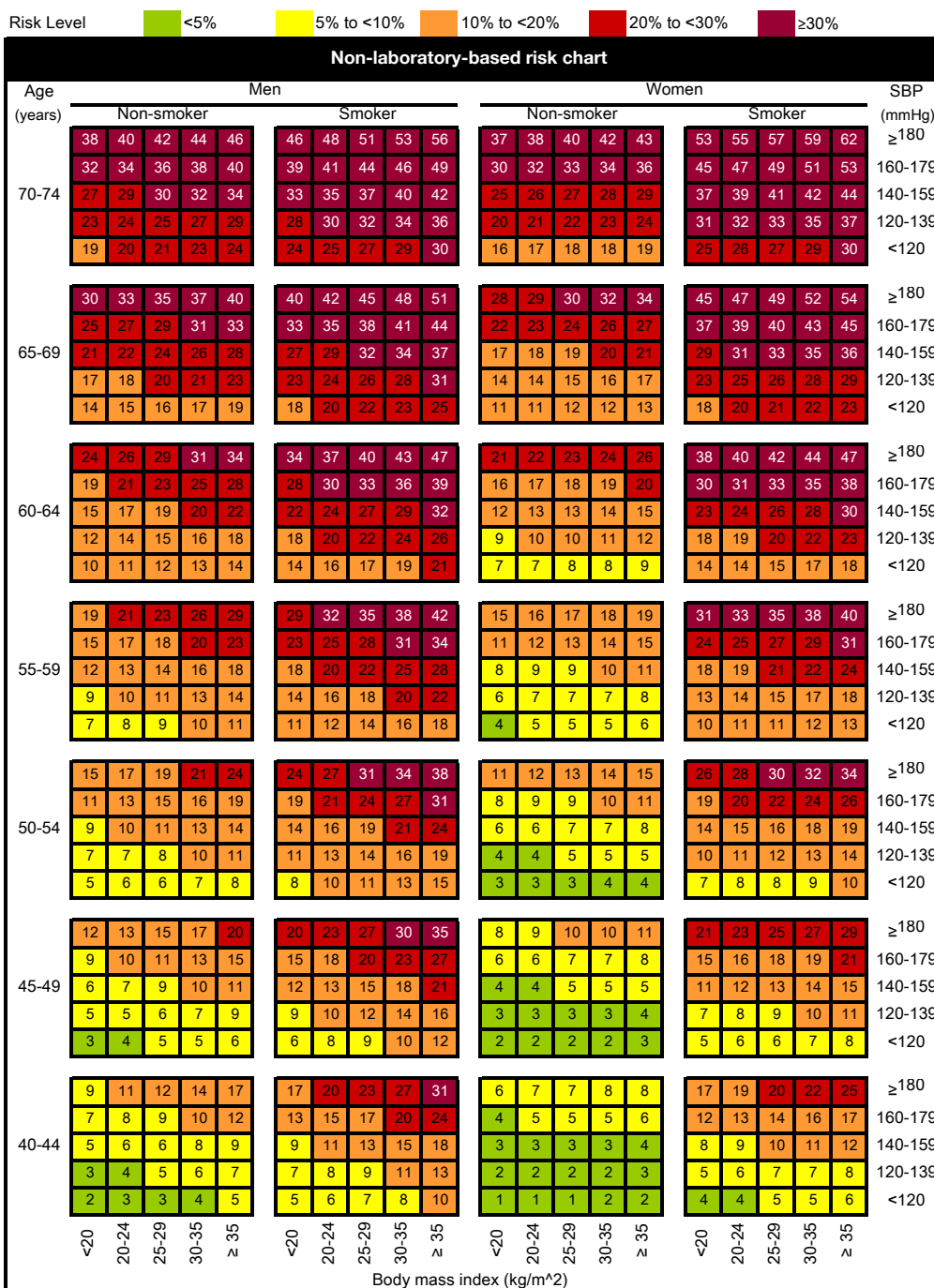


Central Europe

WHO cardiovascular disease risk non-laboratory-based charts

Eastern Europe

Belarus, Estonia, Latvia, Lithuania, Republic of Moldova, Russian Federation, Ukraine

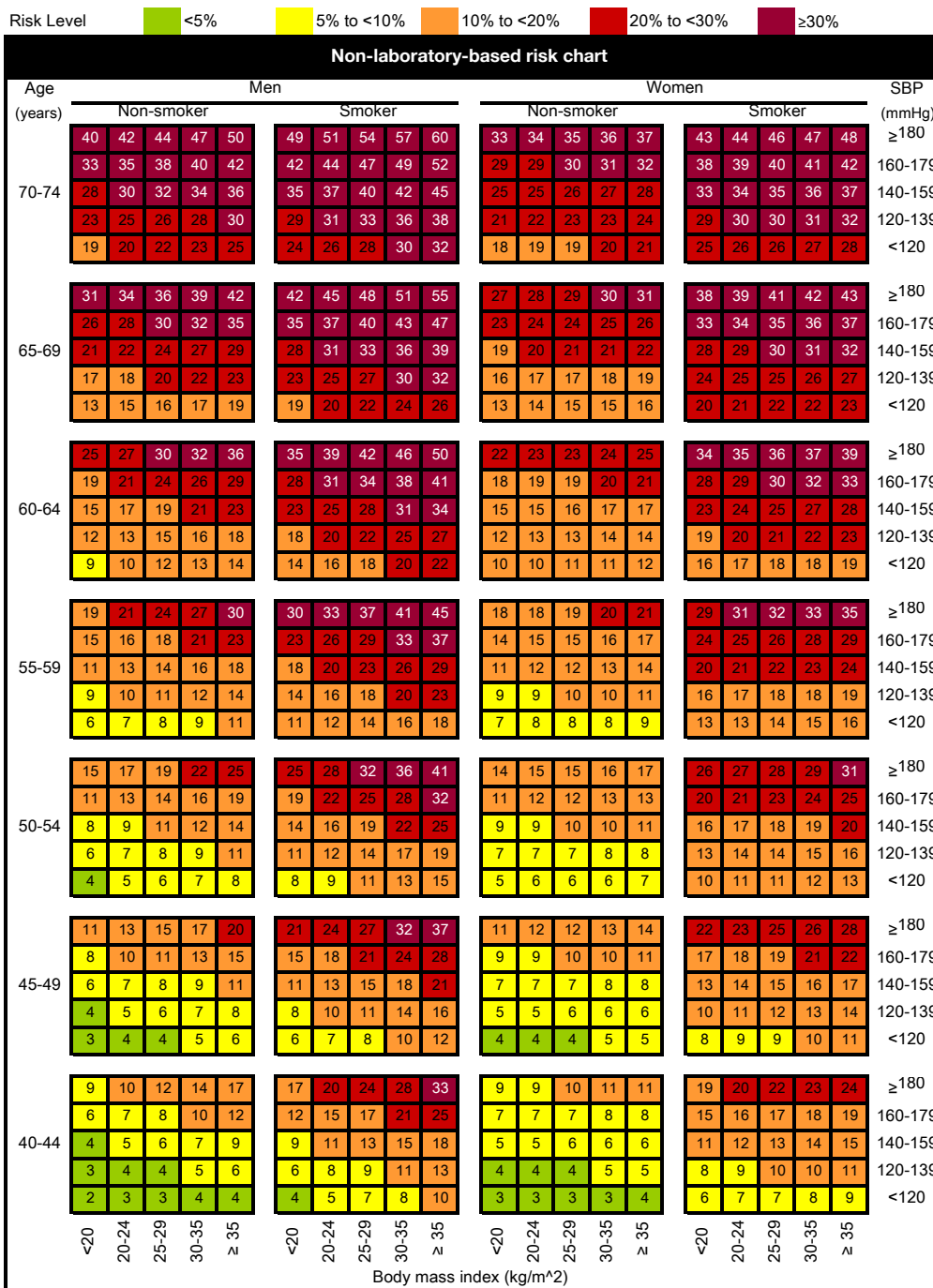


Eastern Europe

WHO cardiovascular disease risk non-laboratory-based charts

North Africa and Middle East

Afghanistan, Algeria, Bahrain, Egypt, Iran (Islamic Republic of), Iraq, Jordan, Kuwait, Lebanon, Libya, Morocco, occupied Palestinian territory, Oman, Qatar, Saudi Arabia, Sudan, Syrian Arab Republic, Tunisia, Turkey, United Arab Emirates, Yemen

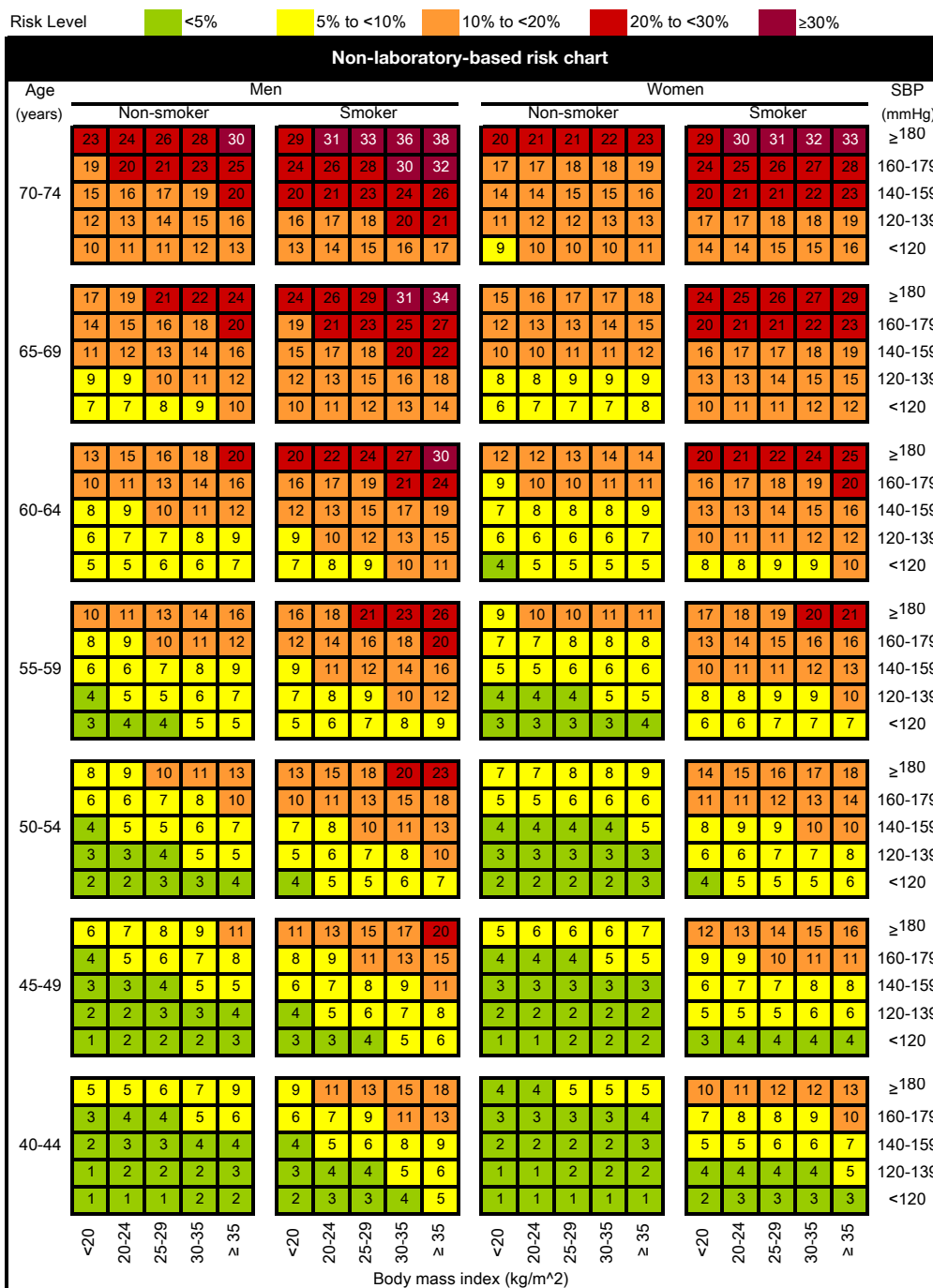


North Africa and Middle East

WHO cardiovascular disease risk non-laboratory-based charts

Western Sub-Saharan Africa

Benin, Burkina Faso, Cabo Verde, Cameroon, Chad, Cote d'Ivoire, Gambia, Ghana, Guinea, Guinea-Bissau, Liberia, Mali, Mauritania, Niger, Nigeria, Sao Tome and Principe, Senegal, Sierra Leone, Togo

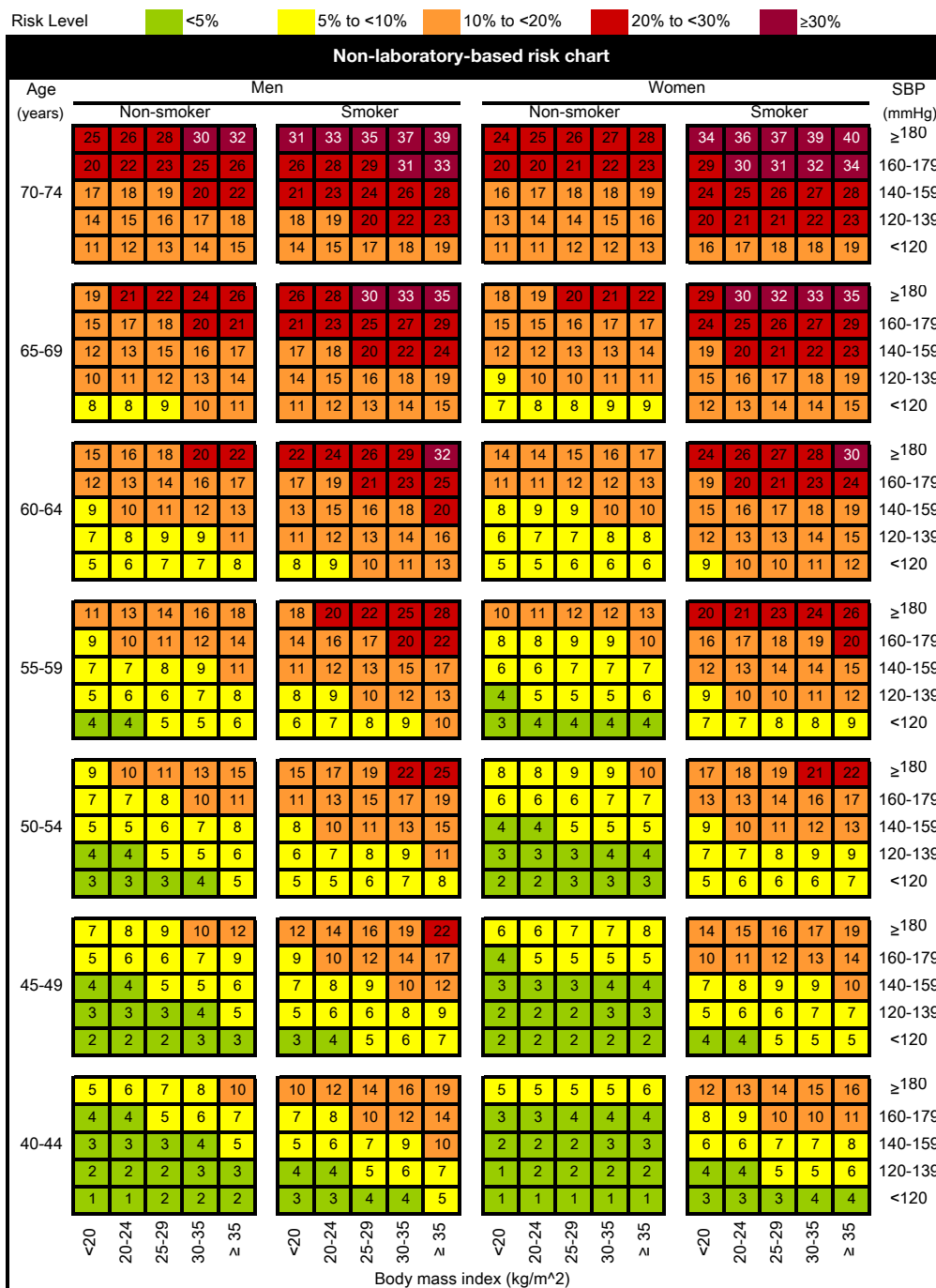


Western Sub-Saharan Africa

WHO cardiovascular disease risk non-laboratory-based charts

Central Sub-Saharan Africa

Angola, Central African Republic, Congo, Democratic Republic of the Congo, Equatorial Guinea, Gabon

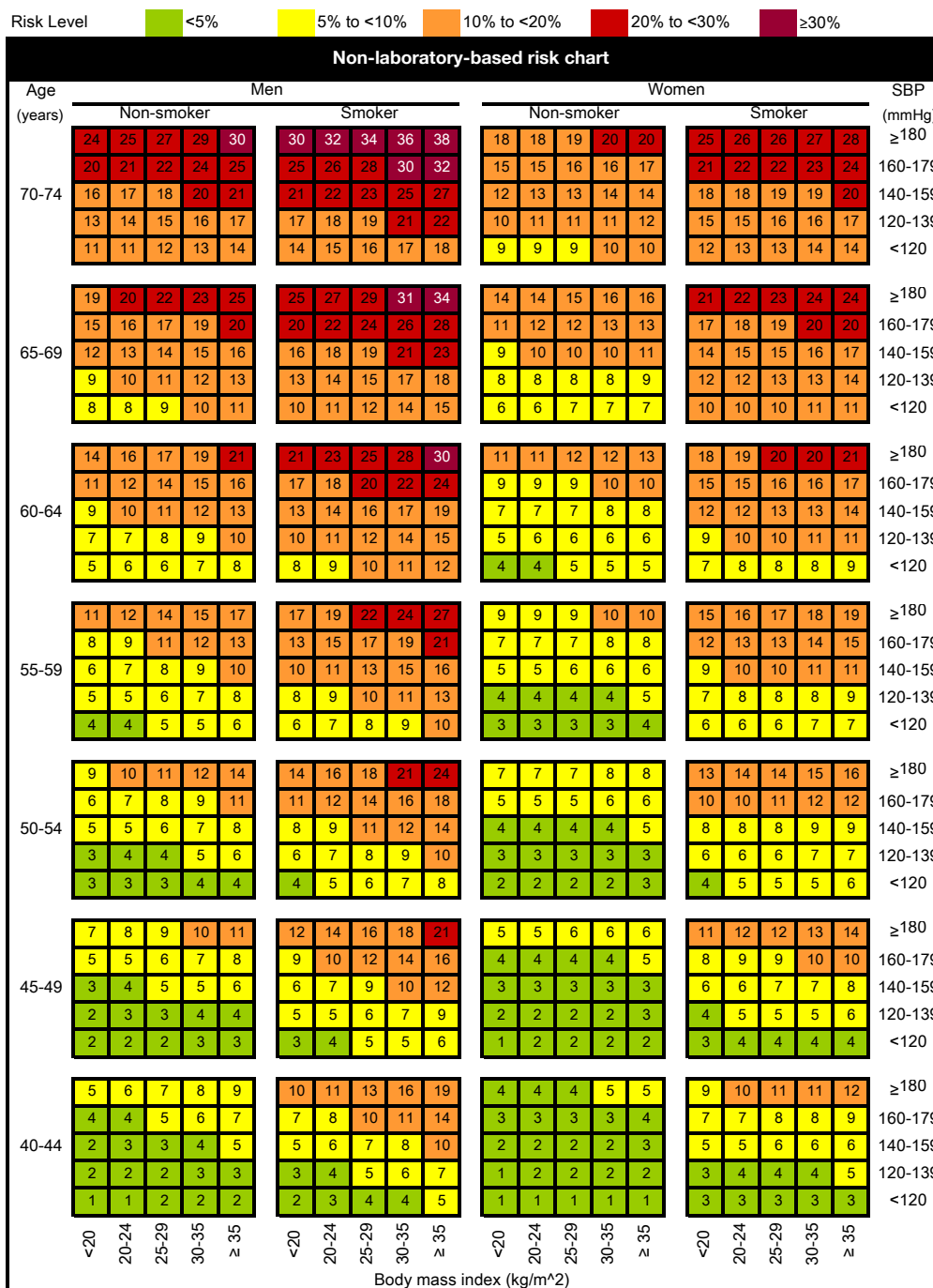


Central Sub-Saharan Africa

WHO cardiovascular disease risk non-laboratory-based charts

Eastern Sub-Saharan Africa

Burundi, Comoros, Djibouti, Eritrea, Ethiopia, Kenya, Madagascar, Malawi, Mozambique, Rwanda, Somalia, Uganda, United Republic of Tanzania, Zambia

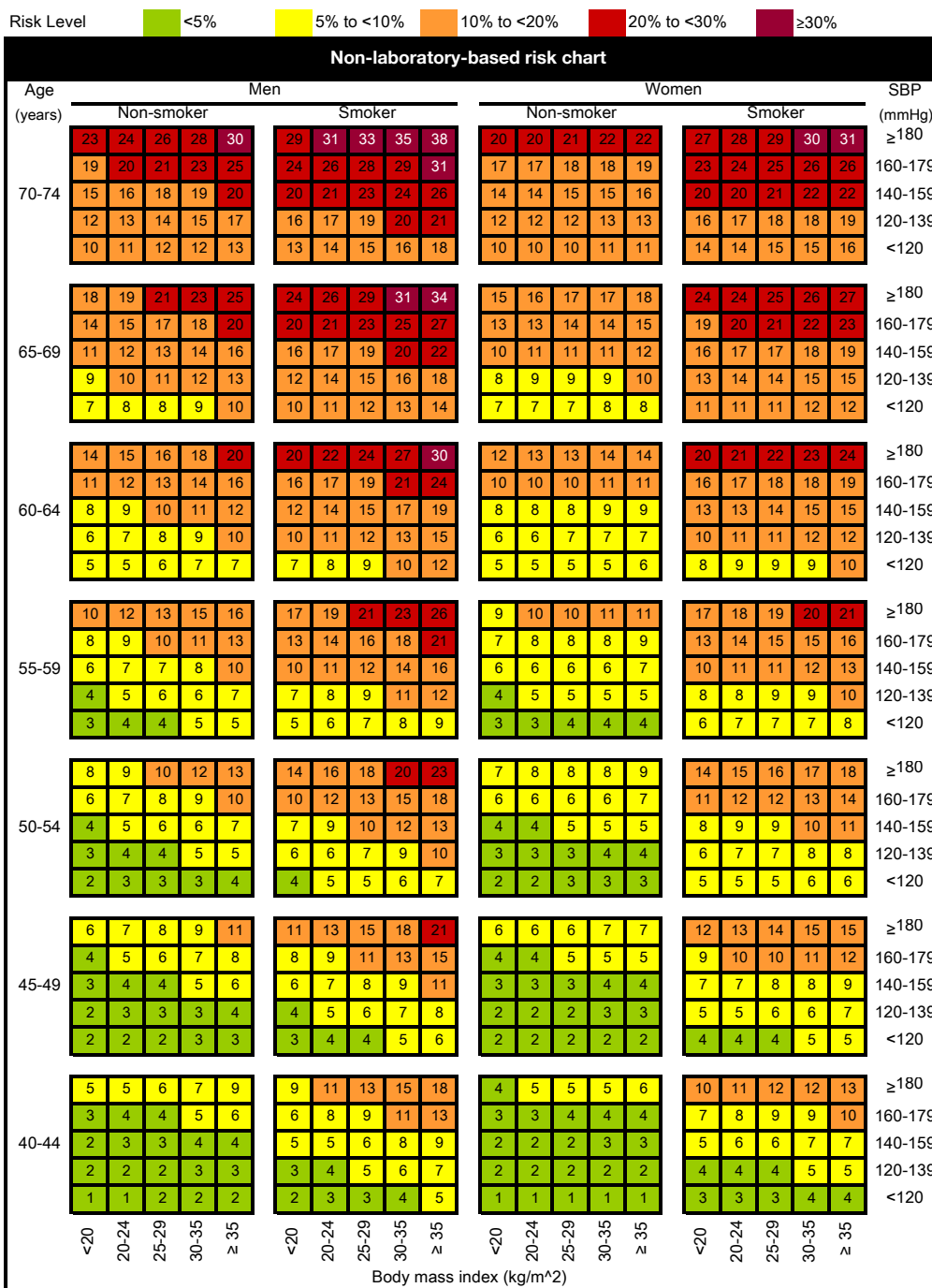


Eastern Sub-Saharan Africa

WHO cardiovascular disease risk non-laboratory-based charts

Southern Sub-Saharan Africa

Botswana, Eswatini, Lesotho, Namibia, South Africa, Zimbabwe

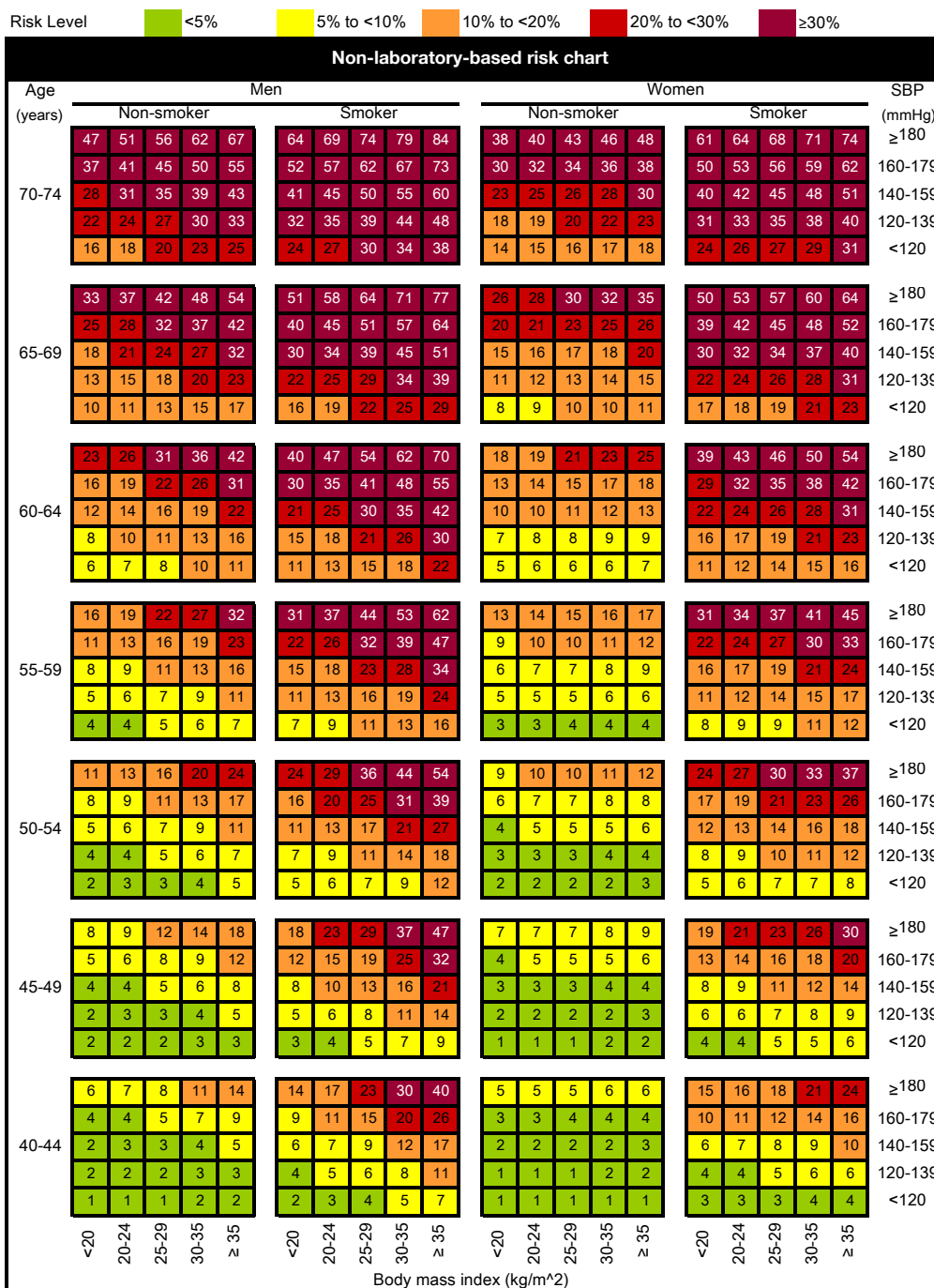


Southern Sub-Saharan Africa

WHO cardiovascular disease risk non-laboratory-based charts

Central Asia

Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyzstan, Mongolia, Tajikistan, Turkmenistan, Uzbekistan

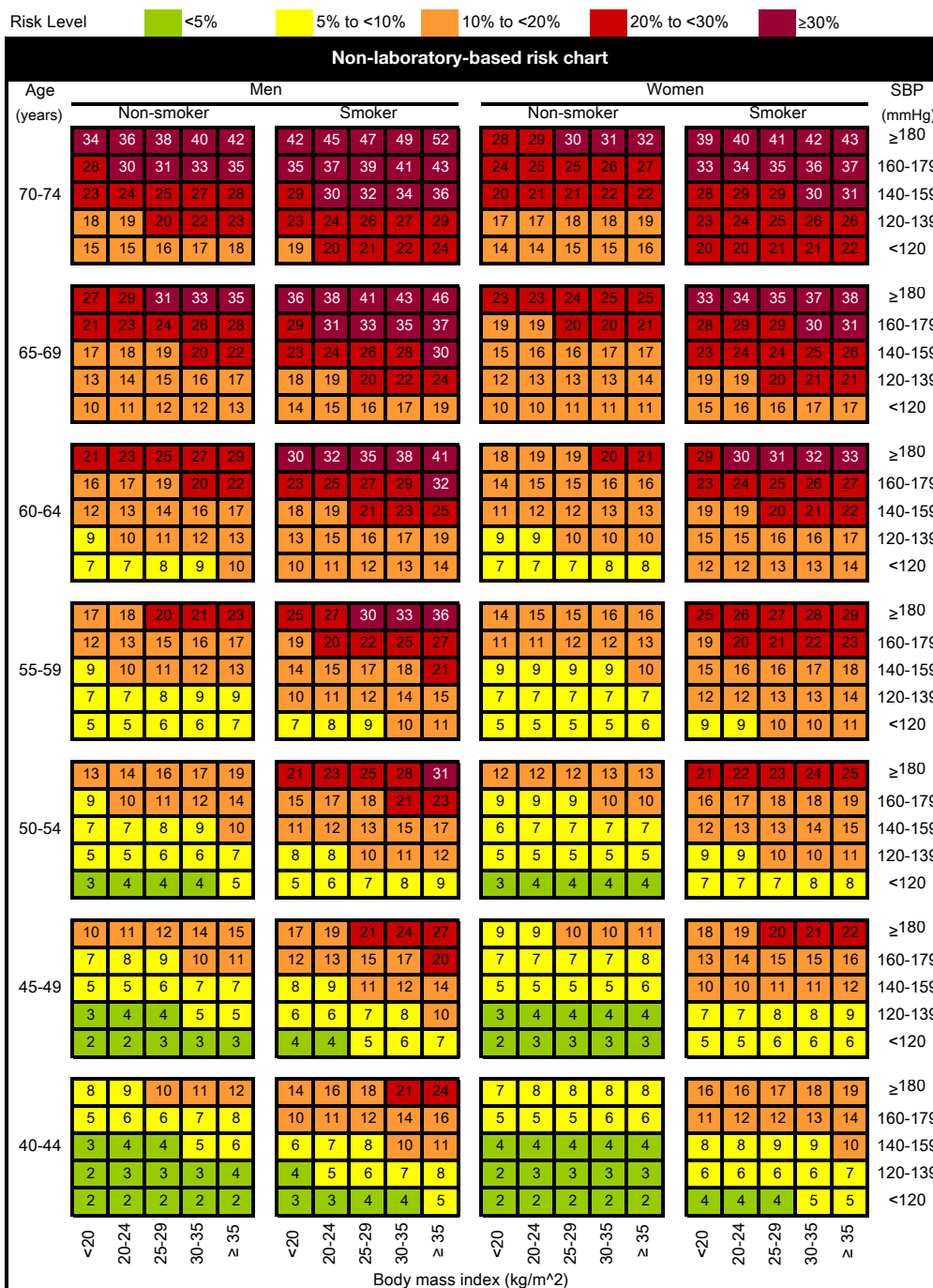


Central Asia

WHO cardiovascular disease risk non-laboratory-based charts

East Asia

China, Democratic People's Republic of Korea

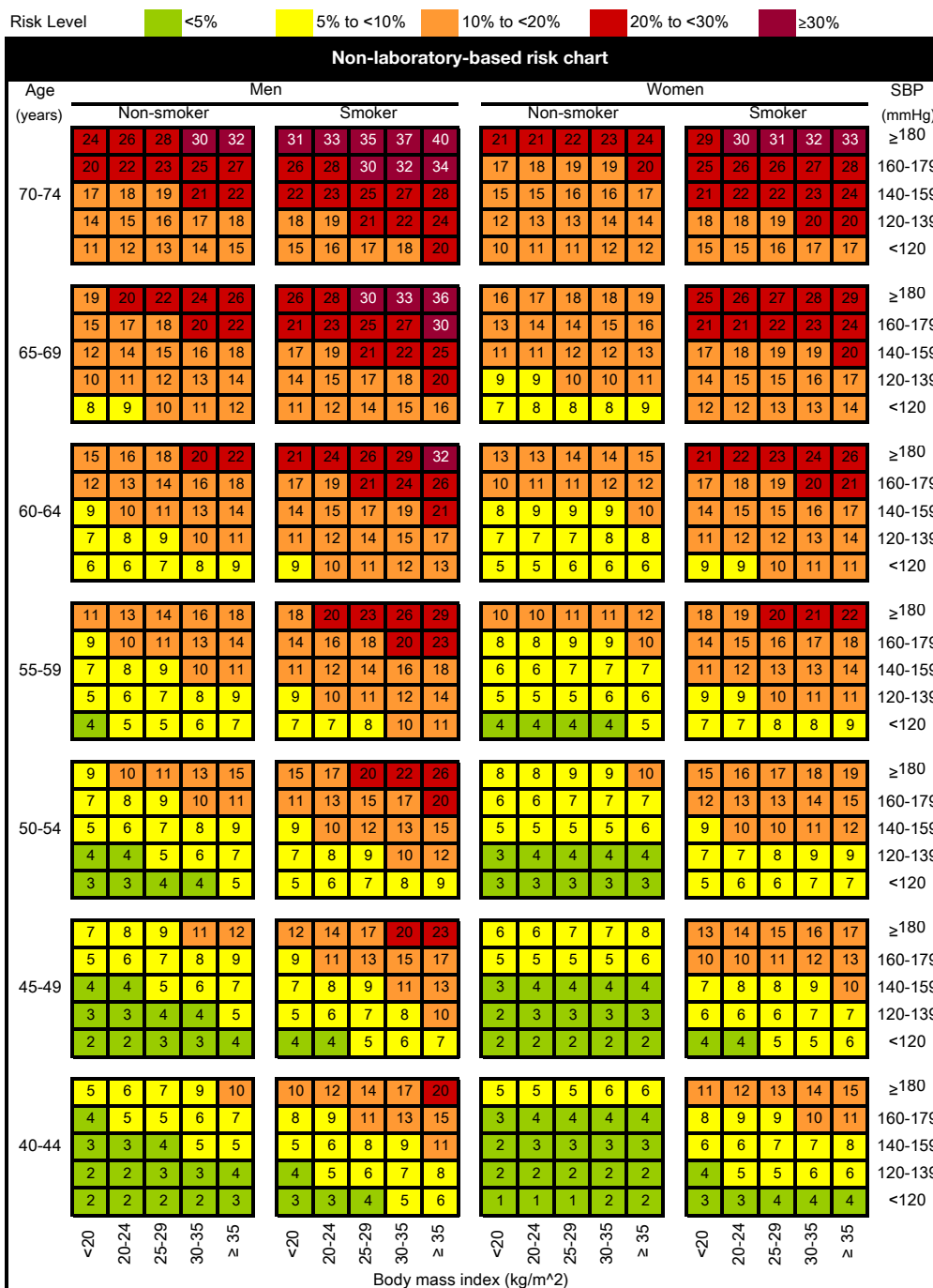


East Asia

WHO cardiovascular disease risk non-laboratory-based charts

South Asia

Bangladesh, Bhutan, India, Nepal, Pakistan

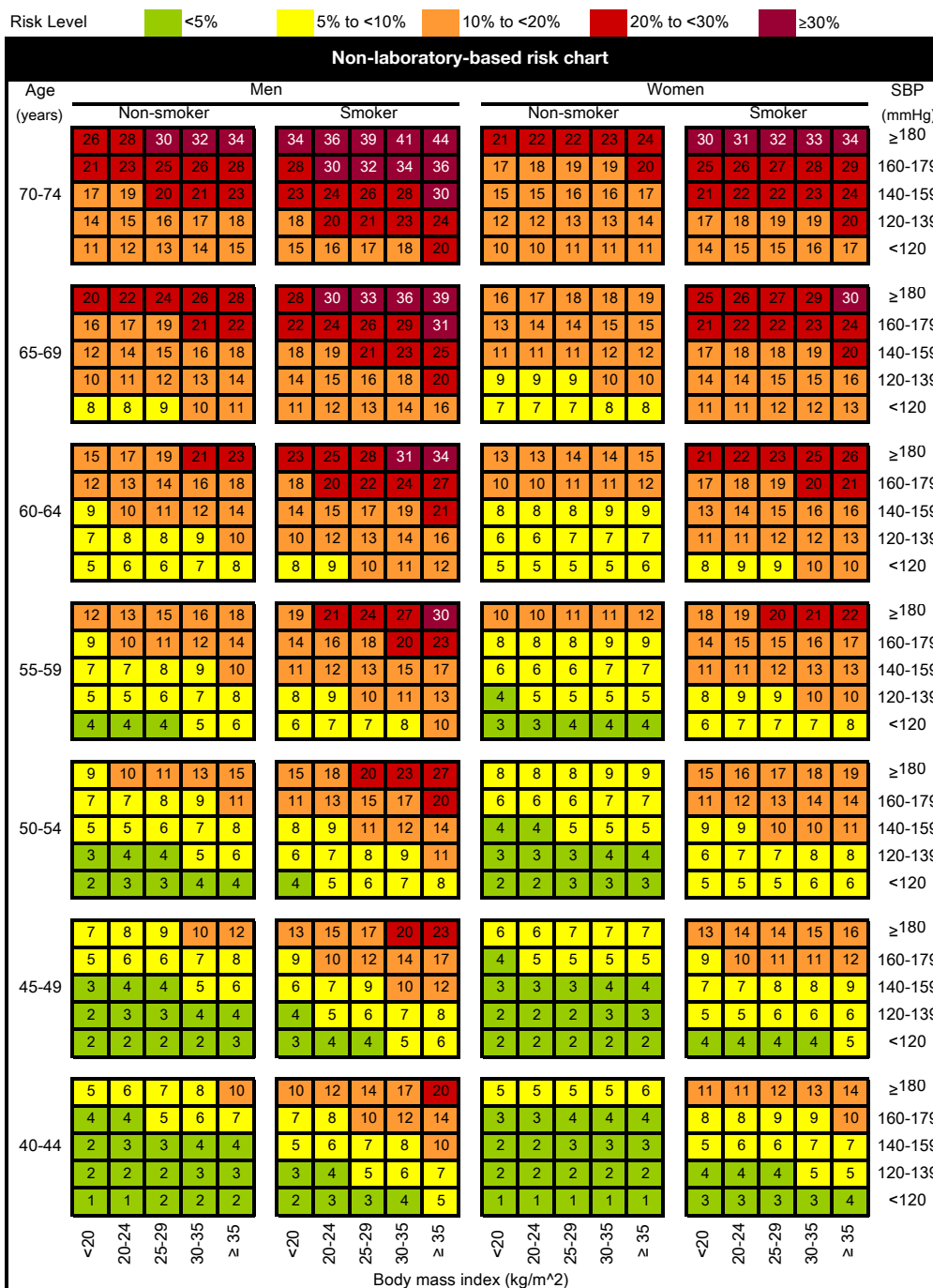


South Asia

WHO cardiovascular disease risk non-laboratory-based charts

South-East Asia

Cambodia, Indonesia, Lao People's Democratic Republic, Malaysia, Maldives, Mauritius, Myanmar, Philippines, Seychelles, Sri Lanka, Thailand, Timor-Leste, Viet Nam

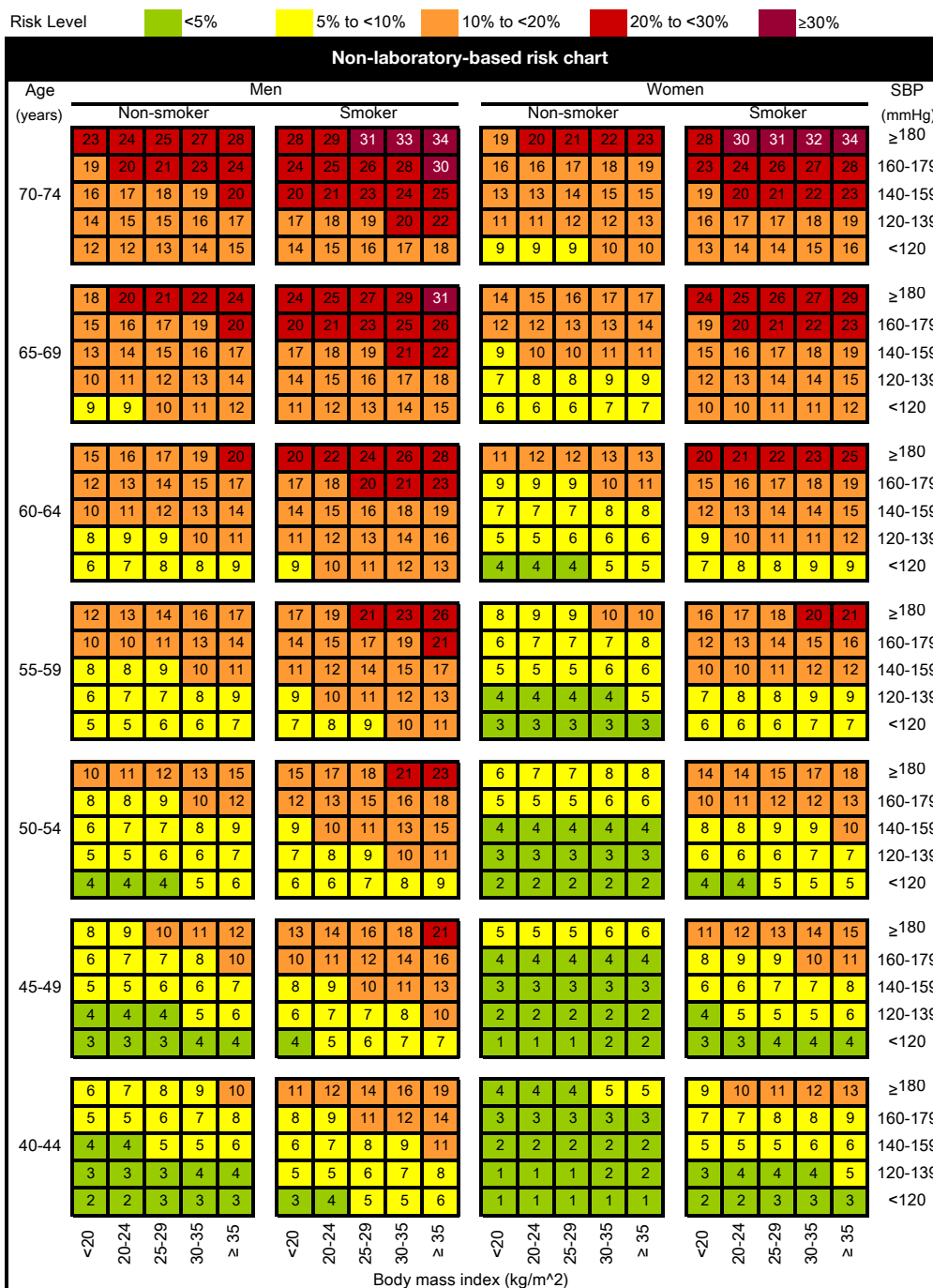


South-East Asia

WHO cardiovascular disease risk non-laboratory-based charts

High-income Asia Pacific

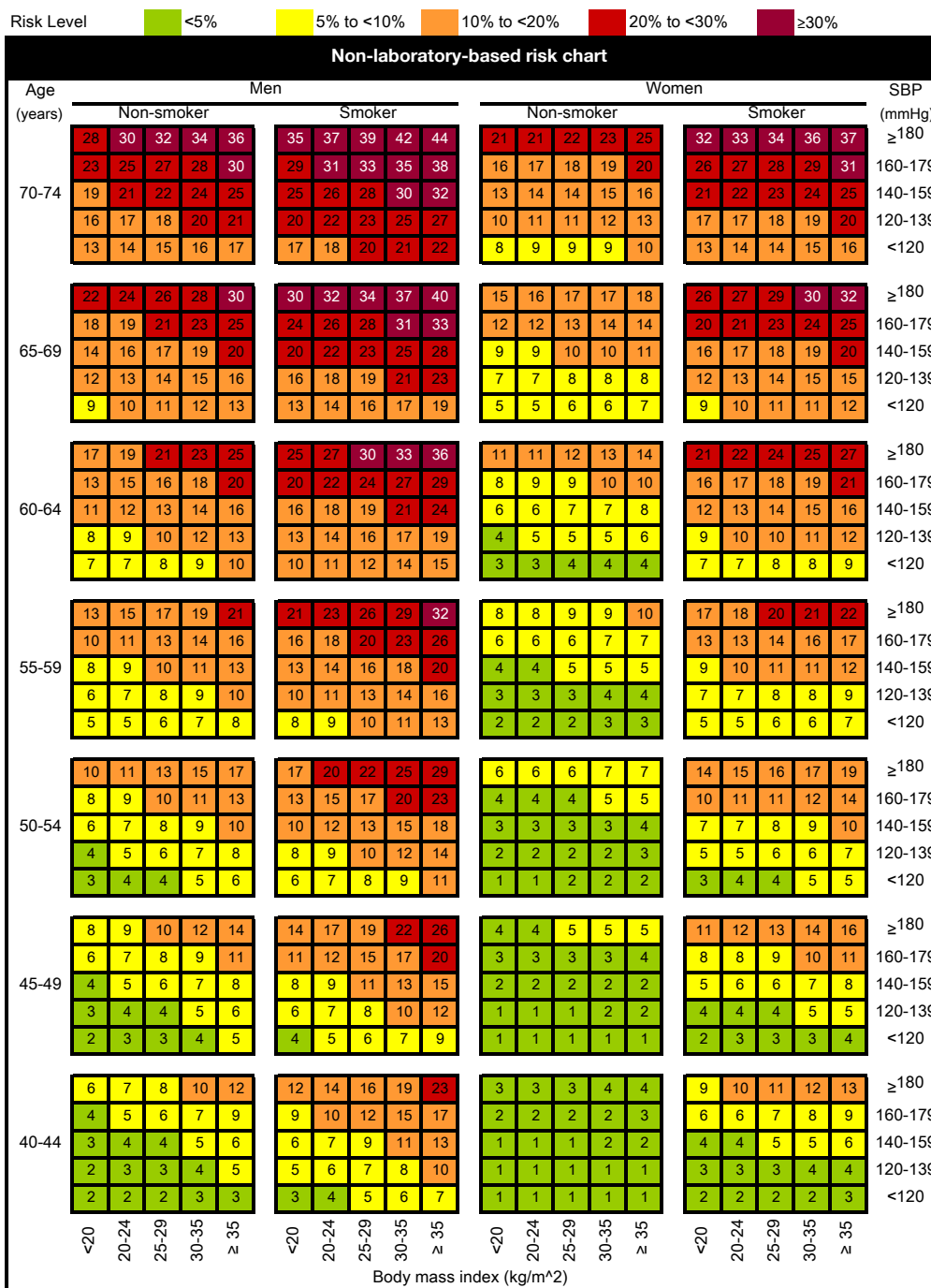
Brunei Darussalam, Japan, Republic of Korea, Singapore



High-income Asia Pacific

WHO cardiovascular disease risk non-laboratory-based charts

Australasia
Australia, New Zealand



Australasia

WHO cardiovascular disease risk non-laboratory-based charts

Oceania

Fiji, Kiribati, Marshall Islands, Micronesia (Federated States of), Papua New Guinea, Samoa, Solomon Islands, Tonga, Vanuatu

