Supplemental material

Supplementary Table 2: Association analysis for hyperopic 5-year change in spherical equivalent (more than 0.5D) in phakic eyes. Data from the German population-based Gutenberg Health Study (2007-2017).

Multivariable logistic regression analysis with generalized estimating equations was

conducted.

Sex [female] 0.97 $0.86; 1.09$ 0.57 Age [per year] Linear term 1.62 $1.52; 1.72$ <0.001 Quadratic term 1.00 $1.00; 1.00$ <0.001 Cardiovascular parameters 1.00 $1.00; 1.00$ <0.001 HDL-cholesterol [mg/dl] 1.00 $1.00; 1.00$ 0.74 LDL-cholesterol [mg/dl] 1.00 $1.00; 1.00$ 0.74 Triglycerides [mg/dl] 1.00 $1.00; 1.00$ 0.66 BMI [kg/m ²] 1.00 $1.00; 1.00$ 0.73 Smoking history 1.00 $1.00; 1.00$ 0.73 Non-smoker 1.31 $1.14; 1.50$ <0.001 Occasional smoker 1.11 $0.69; 1.42$ 0.95 Former smoker 0.33 $0.99; 0.97; 1.01$ 0.50 Occular parameters 0.99 $0.97; 1.00$ 0.06 Lens opacity 0.99 $0.97; 1.00$ 0.06 Lens opacity 0.64 $0.27; 1.52$ 0.31 None	(n=15,836 eyes)	OR	95%-CI	Р
Age [per year] 1.62 $1.52; 1.72$ <0.001	Sex [female]	0.97	0.86; 1.09	0.57
Linear term 1.62 1.52; 1.72 <0.001 Quadratic term 1.00 1.00; 1.00 <0.001				
$\begin{array}{c c} Cardiovascular parameters \\ HbA1c [%] & 0.98 & 0.92; 1.09 & 0.95 \\ HDL-cholesterol [mg/dl] & 1.00 & 1.00; 1.00 & 0.51 \\ 1.00 & 1.00; 1.00 & 0.51 \\ 1.00 & 1.00; 1.00 & 0.66 \\ BMI [kg/m^2] & 1.00 & 1.00; 1.00 & 0.66 \\ BMI [kg/m^2] & 1.00 & 1.00; 1.00 & 0.73 \\ \hline \\ Non-smoker & Reference \\ Smoker & 1.31 & 1.14; 1.50 & <0.001 \\ Occasional smoker & 1.03 & 0.98; 1.21 & 0.13 \\ Ocular parameters & \\ Spherical equivalent [D] & 0.99 & 0.97; 1.01 & 0.50 \\ IOP [mmHg] & 0.99 & 0.97; 1.01 & 0.50 \\ Lens opacity & 1.02 & 0.99 & 0.97; 1.00 & 0.06 \\ Lens opacity & 1.02 & 0.99 & 0.97; 1.00 & 0.06 \\ Lens opacity & 1.02 & 0.91; 1.16 & 0.70 \\ Education & \\ Secondary gerneral school (,,Hauptschule") & Reference \\ I.11 & 0.98; 1.26 & 0.10 \\ High school (,,Abitur") & 1.03 & 0.91; 1.16 & 0.67 \\ Others & 0.64 & 0.27; 1.52 & 0.31 \\ None & 1.20 & 0.44; 3.27 & 0.72 \\ Occupation & \\ Housemaker, retried or none \\ Agriculture, forestry, animal \\ husbandry and horticulture \\ Production and manufacturing & 0.94 & 0.75; 1.17 & 0.56 \\ Construction and architecture & 0.99 & 0.73; 1.33 & 0.93 \\ Natural and computer science & 1.28 & 1.00; 1.64 & 0.05 \\ Transport, logistics, security and military & 0.97 & 0.75; 1.26 & 0.83 \\ Commercial services and tourism & 0.93 & 0.75; 1.16 & 0.53 \\ Business organization, accounting, law and administration & 1.01 & 0.85; 1.22 & 0.88 \\ \end{array}$		1.62	1.52; 1.72	<0.001
HbA1c [%] 0.98 0.92; 1.09 0.95 HDL-cholesterol [mg/dl] 1.00 1.00; 1.00 0.74 LDL-cholesterol [mg/dl] 1.00 1.00; 1.00 0.66 BMI [kg/m ²] 1.00 1.00; 1.00 0.66 BMI [kg/m ²] 1.00 1.00; 1.00 0.66 Smoking history 1.00 1.00; 1.00 0.73 Non-smoker Reference 0.95 0.95; 1.42 0.95 Former smoker 1.11 0.69; 1.42 0.95 Cocasional smoker 1.11 0.69; 1.42 0.95 Former smoker 1.03 0.98; 1.21 0.13 Occular parameters 0.99 0.97; 1.01 0.50 IOP [mmHg] 0.99 0.97; 1.00 0.06 Lens opacity 1.02 0.91; 1.16 0.70 Education Reference 0.64 0.27; 1.52 0.31 None 1.20 0.44; 3.27 0.72 Occupation Reference 0.85 0.58; 1.22 0.37 Husbandry and horticulture 0.99 0.73; 1.33 0.93	Quadratic term	1.00	1.00; 1.00	<0.001
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Cardiovascular parameters			
LDL-cholesterol [mg/dl]1.001.00; 1.000.51Triglycerides [mg/dl]1.001.00; 1.000.66BMI [kg/m²]1.000.09; 1.010.83Physical activity1.001.00; 1.000.73Smoking history1.001.00; 1.000.73Non-smokerReferenceSmoker1.311.14; 1.50Occasional smoker1.110.69; 1.42Pormer smoker0.99; 0.97; 1.010.50Ocular parameters0.990.97; 1.010.50IOP [mmHg]0.990.97; 1.010.50IOP [mmHg]0.990.97; 1.000.06Lens opacity1.020.91; 1.160.70EducationSecondary general school ("Hauptschule")1.110.98; 1.260.10High school ("Abitur")1.030.91; 1.160.670.10Others0.640.27; 1.520.31None0.850.58; 1.220.37None0.940.75; 1.170.560.580.930.730.930.730.93Natural and computer science1.281.00; 1.640.050.650.830.930.75; 1.160.53Business organization, accounting, law and administration1.010.85; 1.220.880.050.05	HbA1c [%]	0.98	0.92; 1.09	0.95
LDL-cholesterol [mg/dl]1.001.00; 1.000.51Triglycerides [mg/dl]1.001.00; 1.000.66BMI [kg/m²]1.000.09; 1.010.83Physical activity1.001.00; 1.000.73Smoking history1.001.00; 1.000.73Non-smokerReferenceSmoker1.311.14; 1.50Occasional smoker1.110.69; 1.42Pormer smoker0.99; 0.97; 1.010.50Ocular parameters0.990.97; 1.010.50IOP [mmHg]0.990.97; 1.010.50IOP [mmHg]0.990.97; 1.000.06Lens opacity1.020.91; 1.160.70EducationSecondary general school ("Hauptschule")1.110.98; 1.260.10High school ("Abitur")1.030.91; 1.160.670.10Others0.640.27; 1.520.31None0.850.58; 1.220.37None0.940.75; 1.170.560.580.930.730.930.730.93Natural and computer science1.281.00; 1.640.050.650.830.930.75; 1.160.53Business organization, accounting, law and administration1.010.85; 1.220.880.050.05	HDL-cholesterol [mg/dl]	1.00	1.00; 1.00	0.74
Triglycerides $[mg/dl]$ 1.001.00; 1.000.66BMI $[kg/m^2]$ 1.000.99; 1.010.83Physical activity1.001.00; 1.000.73Smoking history1.001.00; 1.000.73Non-smoker1.311.14; 1.50<0.001	LDL-cholesterol [mg/dl]	1.00	1.00; 1.00	0.51
Physical activity 1.00 1.00; 1.00 0.73 Smoking history Reference Smoker 1.31 1.14; 1.50 $<$ 0.001 Occasional smoker 1.11 0.69; 1.42 0.95 Former smoker 1.03 0.98; 1.21 0.13 Ocular parameters 1.02 0.97; 1.01 0.50 Spherical equivalent [D] 0.99 0.97; 1.00 0.06 Lens opacity 1.02 0.91; 1.16 0.70 Education Secondary general school ("Hauptschule") 1.11 0.98; 1.26 0.10 High school ("Abitur") 1.03 0.91; 1.16 0.70 Others 0.64 0.27; 1.52 0.31 None 1.20 0.44; 3.27 0.72 Occupation Reference 1.20 0.44; 3.27 0.72 Housemaker, retried or none Reference 0.85 0.58; 1.22 0.37 husbandry and horticulture 0.99 0.73; 1.33 0.93 Natural and computer science 1.28 1.00; 1.64		1.00	1.00; 1.00	0.66
Smoking history Reference Smoker 1.31 1.14; 1.50 $<$ 0.001 Occasional smoker 1.03 0.98; 1.21 0.13 Ocular parameters 0.99 0.97; 1.01 0.50 Spherical equivalent [D] 0.99 0.97; 1.01 0.50 IOP [mmHg] 0.99 0.97; 1.00 0.06 Lens opacity 1.02 0.91; 1.16 0.70 Education Secondary general school ("Hauptschule") 1.11 0.98; 1.26 0.10 High school ("Abitur") 1.03 0.91; 1.16 0.67 Others 0.64 0.27; 1.52 0.31 None 1.20 0.44; 3.27 0.72 Occupation Reference 1.20 0.44; 3.27 0.72 Occupation 0.85 0.58; 1.22 0.37 husbandry and horticulture 0.99 0.73; 1.33 0.93 Natural and computer science 1.28 1.00; 1.64 0.05 Transport, logistics, security and military 0.97 0.75; 1.16 0.53 Business organization, accounting, law and administration 1.17 1.	BMI [kg/m ²]	1.00	0.99; 1.01	0.83
Non-smokerReferenceSmoker 1.31 $1.14; 1.50$ <0.001	Physical activity	1.00	1.00; 1.00	0.73
Smoker 1.31 1.4 ; 1.50 <0.001 Occasional smoker 1.11 0.69 ; 1.42 0.95 Former smoker 1.03 0.98 ; 1.21 0.13 Ocular parameters 5 5 0.99 0.97 ; 1.01 0.50 Spherical equivalent [D] 0.99 0.97 ; 1.00 0.06 Lens opacity 1.02 0.91 ; 1.16 0.70 Education 8 6 0.70 Secondary gerneral school ("Hauptschule") 1.02 0.91 ; 1.16 0.70 Intermediate school ("Realschule") 1.11 0.98 ; 1.26 0.10 High school ("Abitur") 1.03 0.91 ; 1.16 0.67 Others 0.64 0.27 ; 1.52 0.31 None 1.20 0.44 ; 3.27 0.72 Occupation $Reference$ $Reference$ Agriculture, forestry, animal 0.85 0.58 ; 1.22 0.37 husbandry and horticulture 0.99 0.73 ; 1.33 0.93 Natural and computer science 1.28 1.00 ; 1.64 0.05 Transport, logistics, security and military 0.97 0.75 ; 1.16 0.53 Business organization, accounting, law and administration 1.01 0.85 ; 1.22 0.88	Smoking history			
Occasional smoker1.11 0.69 ; 1.42 0.95 Former smoker 1.03 0.98 ; 1.21 0.13 Ocular parameters 1.03 0.98 ; 1.21 0.13 Spherical equivalent [D] 0.99 0.97 ; 1.01 0.50 IOP [mmHg] 0.99 0.97 ; 1.00 0.06 Lens opacity 1.02 0.91 ; 1.16 0.70 Education $Reference$ 1.11 0.98 ; 1.26 0.10 Intermediate school (,,Realschule") 1.11 0.98 ; 1.26 0.10 High school (,,Abitur") 1.03 0.91 ; 1.16 0.67 Others 0.64 0.27 ; 1.52 0.31 None 1.20 0.44 ; 3.27 0.72 Occupation $Reference$ $Reference$ Agriculture, forestry, animal 0.85 0.58 ; 1.22 0.37 husbandry and horticulture 0.99 0.73 ; 1.33 0.93 Natural and computer science 1.28 1.00 ; 1.64 0.05 Transport, logistics, security and military 0.97 0.75 ; 1.16 0.53 Business organization, accounting, law and 1.17 1.00 ; 1.37 0.05 administration 1.01 0.85 ; 1.22 0.88	Non-smoker		Reference	
Former smoker 1.03 0.98 ; 1.21 0.13 Ocular parameters 0.99 0.97 ; 1.01 0.50 Spherical equivalent [D] 0.99 0.97 ; 1.00 0.06 Lens opacity 1.02 0.99 0.97 ; 1.00 0.06 Lens opacity 1.02 0.99 0.97 ; 1.00 0.06 Education $Reference$ 0.99 0.97 ; 1.16 0.70 Education $Reference$ 0.99 ; 1.26 0.10 Intermediate school ("Realschule") 1.11 0.98 ; 1.26 0.10 High school ("Abitur") 1.03 0.91 ; 1.16 0.67 Others 0.64 0.27 ; 1.52 0.31 None 0.64 0.27 ; 1.52 0.31 Housemaker, retried or none $Reference$ Agriculture, forestry, animal 0.85 0.58 ; 1.22 0.37 husbandry and horticulture 0.94 0.75 ; 1.17 0.56 Construction and architecture 0.99 0.73 ; 1.33 0.93 Natural and computer science 1.28 1.00 ; 1.64 0.05 Transport, logistics, security and military 0.93 0.75 ; 1.16 0.53 Business organization, accounting, law and administration 1.01 0.85 ; 1.22 0.88	Smoker	1.31	1.14; 1.50	<0.001
Ocular parameters 0.99 0.97 ; 1.01 0.50 Spherical equivalent [D] 0.99 0.97 ; 1.01 0.50 IOP [mmHg] 0.99 0.97 ; 1.00 0.06 Lens opacity 1.02 0.91 ; 1.16 0.70 Education $Reference$ 1.02 0.91 ; 1.16 0.70 Secondary gerneral school ("Hauptschule") 1.11 0.98 ; 1.26 0.10 High school ("Abitur") 1.03 0.91 ; 1.16 0.67 Others 0.64 0.27 ; 1.52 0.31 None 1.20 0.44 ; 3.27 0.72 Occupation $Reference$ $Reference$ Agriculture, forestry, animal 0.85 0.58 ; 1.22 0.37 husbandry and horticulture 0.99 0.73 ; 1.33 0.93 Natural and computer science 1.28 1.00 ; 1.64 0.05 Transport, logistics, security and military 0.97 0.75 ; 1.16 0.53 Dusiness organization, accounting, law and administration 1.01 0.85 ; 1.22 0.88	Occasional smoker	1.11	0.69; 1.42	0.95
Spherical equivalent [D] 0.99 $0.97; 1.01$ 0.50 IOP [mmHg] 0.99 $0.97; 1.00$ 0.06 Lens opacity 1.02 $0.91; 1.16$ 0.70 Education $Reference$ 1.02 $0.91; 1.16$ 0.70 Secondary gerneral school ("Hauptschule") 1.11 $0.98; 1.26$ 0.10 High school ("Abitur") 1.03 $0.91; 1.16$ 0.67 Others 0.64 $0.27; 1.52$ 0.31 None 1.20 $0.44; 3.27$ 0.72 Occupation $Reference$ Agriculture, forestry, animal 0.85 $0.58; 1.22$ 0.37 husbandry and horticulture 0.99 $0.73; 1.33$ 0.93 Natural and computer science 1.28 $1.00; 1.64$ 0.05 Transport, logistics, security and military 0.97 $0.75; 1.16$ 0.53 Business organization, accounting, law and administration 1.01 $0.85; 1.22$ 0.88	Former smoker	1.03	0.98; 1.21	0.13
IOP [mmHg] 0.99 $0.97; 1.00$ 0.06 Lens opacity 1.02 $0.91; 1.16$ 0.70 Education $Reference$ 1.11 $0.98; 1.26$ 0.10 Intermediate school ("Realschule") 1.11 $0.98; 1.26$ 0.10 High school ("Abitur") 1.03 $0.91; 1.16$ 0.67 Others 0.64 $0.27; 1.52$ 0.31 None 1.20 $0.44; 3.27$ 0.72 Occupation $Reference$ Housemaker, retried or none $Reference$ Agriculture, forestry, animal 0.85 $0.58; 1.22$ 0.37 husbandry and horticulture 0.99 $0.73; 1.33$ 0.93 Natural and computer science 1.28 $1.00; 1.64$ 0.05 Transport, logistics, security and military 0.97 $0.75; 1.16$ 0.53 Business organization, accounting, law and administration 1.01 $0.85; 1.22$ 0.88	Ocular parameters			
IOP [mmHg] 0.99 $0.97; 1.00$ 0.06 Lens opacity 1.02 $0.91; 1.16$ 0.70 Education $Reference$ 1.11 $0.98; 1.26$ 0.10 Intermediate school ("Realschule") 1.11 $0.98; 1.26$ 0.10 High school ("Abitur") 1.03 $0.91; 1.16$ 0.67 Others 0.64 $0.27; 1.52$ 0.31 None 1.20 $0.44; 3.27$ 0.72 Occupation $Reference$ Housemaker, retried or none $Reference$ Agriculture, forestry, animal 0.85 $0.58; 1.22$ 0.37 husbandry and horticulture 0.99 $0.73; 1.33$ 0.93 Natural and computer science 1.28 $1.00; 1.64$ 0.05 Transport, logistics, security and military 0.97 $0.75; 1.16$ 0.53 Business organization, accounting, law and administration 1.01 $0.85; 1.22$ 0.88	Spherical equivalent [D]	0.99	0.97; 1.01	0.50
EducationSecondary gerneral school ("Hauptschule")ReferenceIntermediate school ("Realschule") 1.11 0.98 ; 1.26 0.10 High school ("Abitur") 1.03 0.91 ; 1.16 0.67 Others 0.64 0.27 ; 1.52 0.31 None 1.20 0.44 ; 3.27 0.72 Occupation 1.20 0.44 ; 3.27 0.72 Housemaker, retried or noneReferenceAgriculture, forestry, animal 0.85 0.58 ; 1.22 0.37 husbandry and horticulture 0.94 0.75 ; 1.17 0.56 Construction and manufacturing 0.94 0.75 ; 1.17 0.56 Construction and architecture 0.99 0.73 ; 1.33 0.93 Natural and computer science 1.28 1.00 ; 1.64 0.05 Transport, logistics, security and military 0.97 0.75 ; 1.16 0.53 Business organization, accounting, law and administration 1.01 0.85 ; 1.22 0.88		0.99	0.97; 1.00	0.06
Secondary gerneral school (,,Hauptschule") Intermediate school (,,Realschule") $Reference$ Intermediate school (,,Realschule")1.110.98; 1.260.10High school (,,Abitur")1.030.91; 1.160.67Others0.640.27; 1.520.31None1.200.44; 3.270.72Occupation $Reference$ 0.850.58; 1.220.37Housemaker, retried or none $Reference$ Agriculture, forestry, animal0.850.58; 1.220.37husbandry and horticulture0.940.75; 1.170.56Construction and manufacturing0.940.75; 1.170.56Construction and architecture0.990.73; 1.330.93Natural and computer science1.281.00; 1.640.05Transport, logistics, security and military0.970.75; 1.160.53Business organization, accounting, law and administration1.171.00; 1.370.05Health and education1.010.85; 1.220.88	Lens opacity	1.02	0.91; 1.16	0.70
Intermediate school ("Realschule") 1.11 $0.98; 1.26$ 0.10 High school ("Abitur") 1.03 $0.91; 1.16$ 0.67 Others 0.64 $0.27; 1.52$ 0.31 None 1.20 $0.44; 3.27$ 0.72 Occupation 1.20 $0.44; 3.27$ 0.72 Housemaker, retried or noneReferenceAgriculture, forestry, animal 0.85 $0.58; 1.22$ 0.37 husbandry and horticulture 0.94 $0.75; 1.17$ 0.56 Construction and manufacturing 0.94 $0.75; 1.17$ 0.56 Construction and architecture 0.99 $0.73; 1.33$ 0.93 Natural and computer science 1.28 $1.00; 1.64$ 0.05 Transport, logistics, security and military 0.93 $0.75; 1.16$ 0.53 Business organization, accounting, law and administration 1.01 $0.85; 1.22$ 0.88	Education			
High school (,,Abitur*) 1.03 $0.91; 1.16$ 0.67 Others 0.64 $0.27; 1.52$ 0.31 None 1.20 $0.44; 3.27$ 0.72 Occupation 1.20 $0.44; 3.27$ 0.72 Occupation 0.85 $0.58; 1.22$ 0.37 Housemaker, retried or none $Reference$ Agriculture, forestry, animal 0.85 $0.58; 1.22$ 0.37 husbandry and horticulture 0.94 $0.75; 1.17$ 0.56 Construction and manufacturing 0.94 $0.75; 1.17$ 0.56 Construction and architecture 0.99 $0.73; 1.33$ 0.93 Natural and computer science 1.28 $1.00; 1.64$ 0.05 Transport, logistics, security and military 0.97 $0.75; 1.16$ 0.53 Business organization, accounting, law and administration 1.17 $1.00; 1.37$ 0.05 Health and education 1.01 $0.85; 1.22$ 0.88	Secondary gerneral school ("Hauptschule")		Reference	
Others None 0.64 $0.27; 1.52$ 0.31 None 1.20 $0.44; 3.27$ 0.72 Occupation Housemaker, retried or none Agriculture, forestry, animal husbandry and horticulture 0.85 $0.58; 1.22$ 0.37 Production and manufacturing Production and architecture 0.94 $0.75; 1.17$ 0.56 Construction and architecture 0.99 $0.73; 1.33$ 0.93 Natural and computer science 1.28 $1.00; 1.64$ 0.05 Transport, logistics, security and military Commercial services and tourism 0.93 $0.75; 1.16$ 0.53 Business organization, accounting, law and administration Health and education 1.01 $0.85; 1.22$ 0.88	Intermediate school ("Realschule")	1.11	0.98; 1.26	0.10
None 1.20 $0.44; 3.27$ 0.72 Occupation $Reference$ Housemaker, retried or none $Reference$ Agriculture, forestry, animal 0.85 $0.58; 1.22$ husbandry and horticulture 0.94 $0.75; 1.17$ Production and manufacturing 0.94 $0.75; 1.17$ Construction and architecture 0.99 $0.73; 1.33$ Natural and computer science 1.28 $1.00; 1.64$ Transport, logistics, security and military 0.97 $0.75; 1.16$ Commercial services and tourism 0.93 $0.75; 1.16$ Business organization, accounting, law and administration 1.01 $0.85; 1.22$ Health and education 1.01 $0.85; 1.22$ 0.88	High school ("Abitur")	1.03	0.91; 1.16	0.67
Occupation Housemaker, retried or none Agriculture, forestry, animal husbandry and horticultureReference 0.850.58; 1.220.37Production and manufacturing Production and architecture0.940.75; 1.170.56Construction and architecture0.990.73; 1.330.93Natural and computer science1.281.00; 1.640.05Transport, logistics, security and military Commercial services and tourism0.930.75; 1.160.53Business organization, accounting, law and administration Health and education1.010.85; 1.220.88	Others	0.64	0.27; 1.52	0.31
Housemaker, retried or noneReferenceAgriculture, forestry, animal0.850.58; 1.220.37husbandry and horticulture0.940.75; 1.170.56Production and manufacturing0.940.75; 1.170.56Construction and architecture0.990.73; 1.330.93Natural and computer science1.281.00; 1.640.05Transport, logistics, security and military0.970.75; 1.160.53Commercial services and tourism0.930.75; 1.160.53Business organization, accounting, law and administration1.171.00; 1.370.05Health and education1.010.85; 1.220.88	None	1.20	0.44; 3.27	0.72
Agriculture, forestry, animal husbandry and horticulture0.850.58; 1.220.37Production and manufacturing Construction and architecture0.940.75; 1.170.56Construction and architecture0.990.73; 1.330.93Natural and computer science1.281.00; 1.640.05Transport, logistics, security and military Commercial services and tourism0.930.75; 1.160.53Business organization, accounting, law and administration1.171.00; 1.370.05Health and education1.010.85; 1.220.88	Occupation			
husbandry and horticultureProduction and manufacturing0.940.75; 1.170.56Construction and architecture0.990.73; 1.330.93Natural and computer science1.281.00; 1.640.05Transport, logistics, security and military0.970.75; 1.260.83Commercial services and tourism0.930.75; 1.160.53Business organization, accounting, law and administration1.010.85; 1.220.88	Housemaker, retried or none		Reference	
Production and manufacturing 0.94 0.75; 1.17 0.56 Construction and architecture 0.99 0.73; 1.33 0.93 Natural and computer science 1.28 1.00; 1.64 0.05 Transport, logistics, security and military 0.97 0.75; 1.16 0.83 Commercial services and tourism 0.93 0.75; 1.16 0.53 Business organization, accounting, law and administration 1.17 1.00; 1.37 0.05 Health and education 1.01 0.85; 1.22 0.88	Agriculture, forestry, animal	0.85	0.58; 1.22	0.37
Construction and architecture 0.99 0.73; 1.33 0.93 Natural and computer science 1.28 1.00; 1.64 0.05 Transport, logistics, security and military 0.97 0.75; 1.26 0.83 Commercial services and tourism 0.93 0.75; 1.16 0.53 Business organization, accounting, law and administration 1.17 1.00; 1.37 0.05 Health and education 1.01 0.85; 1.22 0.88	husbandry and horticulture			
Natural and computer science1.281.00; 1.640.05Transport, logistics, security and military0.970.75; 1.260.83Commercial services and tourism0.930.75; 1.160.53Business organization, accounting, law and administration1.171.00; 1.370.05Health and education1.010.85; 1.220.88	Production and manufacturing	0.94	0.75; 1.17	0.56
Transport, logistics, security and military Commercial services and tourism0.970.75; 1.260.83Business organization, accounting, law and administration Health and education1.010.85; 1.220.88	Construction and architecture	0.99	0.73; 1.33	0.93
Commercial services and tourism0.930.75; 1.160.53Business organization, accounting, law and administration1.171.00; 1.370.05Health and education1.010.85; 1.220.88	Natural and computer science	1.28	1.00; 1.64	0.05
Business organization, accounting, law and administration1.171.00; 1.370.05Health and education1.010.85; 1.220.88	Transport, logistics, security and military	0.97	0.75; 1.26	0.83
administrationHealth and education1.010.85; 1.220.88	Commercial services and tourism	0.93	0.75; 1.16	0.53
Health and education 1.01 0.85; 1.22 0.88	Business organization, accounting, law and	1.17	1.00; 1.37	0.05
	administration			
Humanities, media and culture1.100.81; 1.490.54				
	Humanities, media and culture	1.10	0.81; 1.49	0.54