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IMD world talent ranking; 2020

Provided in Cooperation with:

International Institute for Management Development (IMD), Lausanne

Reference: IMD world talent ranking; 2020 (2020).

https://www.imd.org/globalassets/wcc/docs/release-2020/talent/

imd_world_talent_ranking_2020.pdf.

This Version is available at: http://hdl.handle.net/11159/6115

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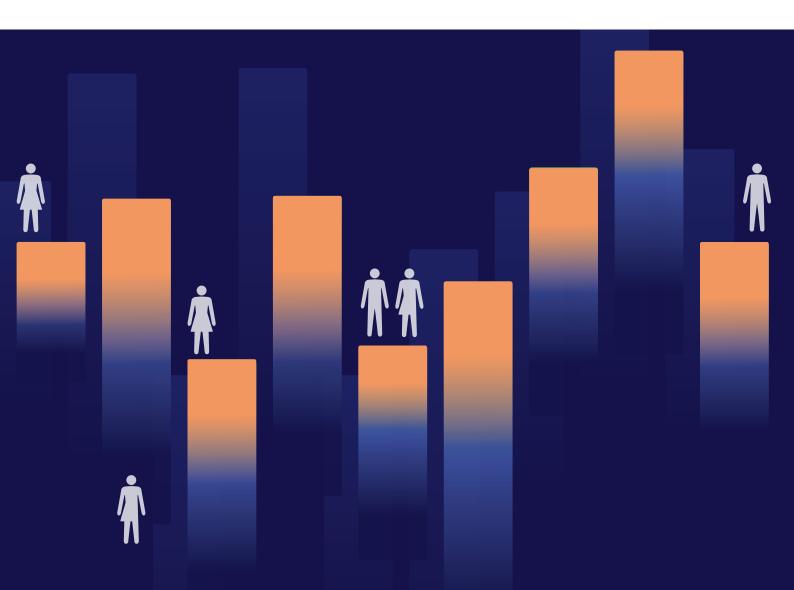
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IMD WORLD TALENT RANKING 2020



November 2020

IMD WORLD TALENT RANKING 2020

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Preface

How do different economies invest and develop their local talent? How do countries appeal to the international talent pool as well as retaining their own high-skilled work force? And how do economies measure the quality of the skills and competences that are available?

These are the questions that the *IMD World Talent Ranking* addresses. We are delighted to present the seventh edition of this publication.

The latest ranking suggests that most economies that perform well focus their talent development efforts in every stage of the educational process. From primary education to tertiary, to apprenticeships and continuous work training, enhancing the skills and competencies of the work force is important. The top performing economies are open to both people and ideas. Finally, in the difficult times of social distancing and working from home, keeping the employees motivated contributes to the talent competitiveness of an economy.

An undertaking like the *IMD World Talent Ranking* could not have been accomplished without the support and assistance of many stakeholders. Our *Partner Institutes*, the *IMD Alumni* community and our *Panel of Experts* from all the countries generously offer data and insights that are crucial for completing such a project. We are always most grateful for their support. Yet, as we stressed in all our publications, this year, our stakeholders managed to make us feel that it was business as usual and not a uniquely complicated and difficult environment. The reason you have this publication in your hands now is, for a great part, because of our stakeholders. We are humbled and thankful!

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The IMD World Competitiveness Center

For more than thirty years, the IMD World Competitiveness Center has pioneered research on how economies and companies compete to lay the foundations for sustainable value creation. The competitiveness of nations is probably one of the most significant developments in modern management and IMD is committed to leading the field. The World Competitiveness Center conducts its mission in cooperation with a network of 56 Partner Institutes worldwide to provide the government, business and academic communities with the following services:

- · Competitiveness Special Reports
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We would like to express our deep appreciation for the contribution of our Partner Institutes, enabling an extensive coverage of competitiveness in their home countries. The following Institutes and people supplied data from national sources and helped distribute the survey questionnaires:

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Trends in the World Talent Ranking 2020

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Introduction

The IMD World Talent Ranking captures the capacity of an economy to develop as well as attract talent to strengthen its competitiveness. In order to quantify the quality of an economy's talent pool we evaluate three factors. The *Investment and Development* factor measures how an economy fosters domestic talent; the *Appeal* factor assesses the extent to which an economy retains homegrown talent along with drawing from the international talent pool; and finally, the *Readiness* factor measures the quality of the skills and competences that are available in the country.

In 2020, Switzerland and Denmark hold the first and second position, respectively, for the fifth consecutive year. Luxembourg, Iceland and Sweden complete the five most competitive economies with respect to talent. Austria, Norway, Singapore and the Netherlands remain in the top ten positions with small fluctuations from last year while Canada moves up five spots to become the eighth most talent-competitive economy.

For 2020, the most talent-competitive economies are those that invest in education. In our ranking we include criteria that capture the quality of education at all levels: primary, secondary, and tertiary. Furthermore, in the most competitive economies apprenticeships are sufficiently implemented and the provision of employee training is a priority for companies. The top performers, therefore, are

countries that invest in a holistic concept of education. To put it differently, highly competitive countries focus their talent development efforts on every stage of the educational process.

In addition, economies at the top of the ranking are those that appeal to an international talent pool. By definition, these are countries that are open, both to people and ideas.

The pandemic has affected our lives in different ways. A major disruption that occurred rapidly for many people, was the separation between the working place and "the place from which people work nowadays". Throughout the world, those members of the labor force whose tasks can be accomplished remotely, work from home. There are different pros and cons for this reality. An important component is the sustainability of workers' motivation while being away from the physical work-place and their co-workers. In this regard, in the midst of the current COVID-19 crisis, we identify a trend among the top-ranking economies. Firms in these countries are able to motivate their work force continuously.

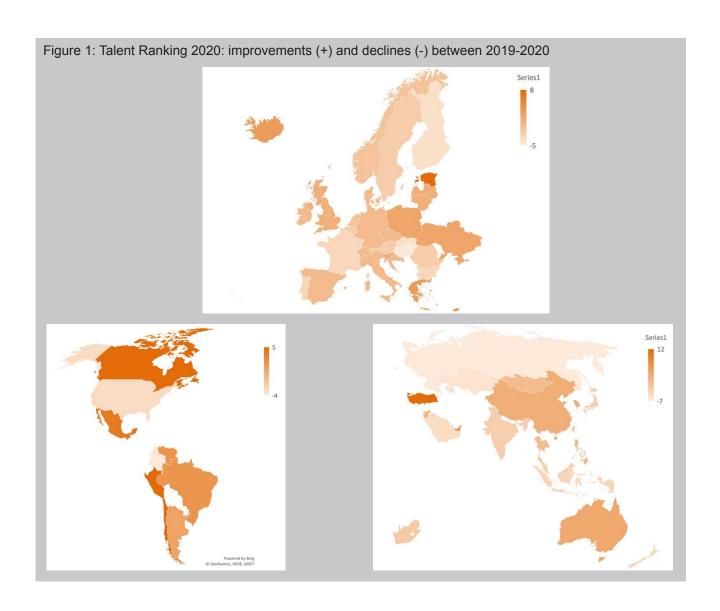
The next section provides an analysis of the trends and outcomes from a regional perspective. It follows with a detailed account of the highest and lowest ranked economies, as well as the countries that experienced a significant change in their position compared to last year.

Regional trends in the World Talent Ranking 2020

In this section we provide the trends of the 2020 IMD World Talent Ranking at a regional level.

The IMD World Talent Ranking studies 63 economies of middle and high income per capita. **Figure 1** provides a visualization of the changes in the Talent Ranking between 2019 and 2020 in Asia, Europe and the Americas. In 2020, 27 economies improved their performance in the

World Talent Ranking, 11 remained in the same position and 25 declined. The largest improvements in the ranking compared to 2019 have been experienced by Turkey (+12), Estonia (+8), the UAE (+6), Peru, Chile and Canada (+5). On the other hand, Russia (-7), Kazakhstan (-6), Hungary and Saudi Arabia (-5) are the economies that showed the most significant declines this year.



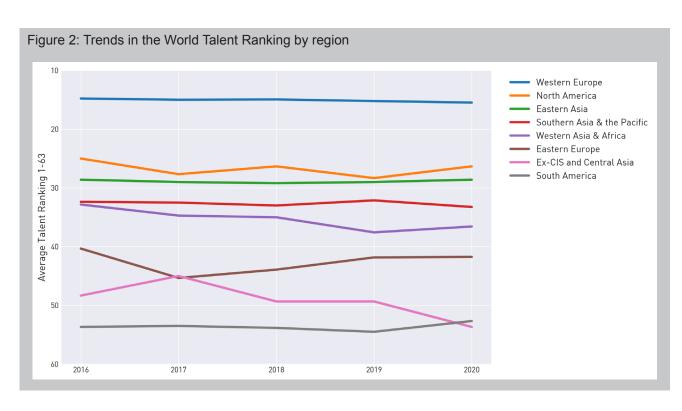


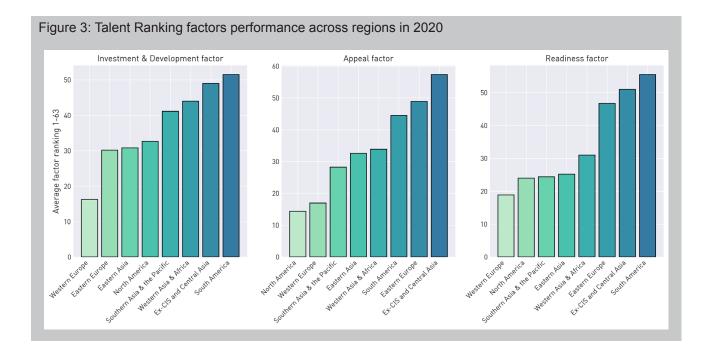
Figure 2 presents the sub-regional Talent Ranking trend for the years 2016 to 2020. These trends show that Western European countries remain, on average, the most talent competitive in the world. North America, and Eastern Asia place second and third respectively. Ex-CIS and Central Asia, South America and Eastern Europe are instead regions that continue to underperform in the World Talent Ranking 2020.

At the factor level (**Figure 3**), while Western Europe firmly keeps the lead in both the Investment & Development and Readiness factors, North America stands out in the Appeal factor, highlighting the important economic attractiveness of both Canada and the United States for foreign highly skilled workers.

The breakdown of Talent competitiveness by factors also reveals asymmetries in performance present in

subregions such as Eastern Europe and Southern Asia and The Pacific. In the first case, (Eastern Europe) economies that belong to the subregion generally excel in education and the development of local talent (Investment and Development factor, 2nd out of 8 subregions) but then they are unable to retain it and/or to attract foreign highly skilled workforce to satisfy the private sector's needs (Appeal factor, 7th; Readiness factor, 6th).

In the second case, as compared to other regions of the world, countries from the Southern Asia and The Pacific subregion underperform in the development of local talent (Investment and Development factor, 5th) but they manage to attract foreign professionals from the international talent pool (Appeal, 3rd) ensuring the skills and competences that their local job market needs (Readiness, 3rd).



Top 10 countries

Switzerland remains in the top spot as does Denmark in 2^{nd} place. While Luxembourg moves up two places to 3^{rd} , Iceland rises to 4^{th} (from 7^{th} in 2019). Sweden, Austria and Norway drop to 5^{th} , 6^{th} and 7^{th} , respectively. Canada joins the top 10 in 8^{th} place and Singapore moves up to 9^{th} . The Netherlands rounds up the top of the ranking in 10^{th} .

Switzerland maintains a robust performance in the investment and development and appeal factors (1st in both). It leads the ranking in the effective implementation of apprenticeships, 2nd in the total public expenditure on education (per student), in the efficiency of its health infrastructure and in the impact of brain drain in its economy.

In the readiness factor, Switzerland ranks 5th with a drop in the graduates in sciences indicator (percentage of

graduates in ICT, engineering, math and natural sciences) from 26th to 30th, although it remains strong in all measures of the availability of skills and competencies.

Denmark's strongest performance at the factor level is in investment and development (2nd) in which it ranks 1st in the prioritization that the private sector assigns to employee training and 6th in total public expenditure on education (percentage of GDP). In the appeal factor, Denmark ranks 8th but shows substantial achievements at the indicator level. For example, it ranks 1st in the prioritization of the attraction and retainment of talent, the level of worker motivation and the implementation of justice.

Denmark ranks 6^{th} in the readiness factor. Although the availability of particular skills remains strong (e.g., 6^{th} in skilled labor and 2^{nd} in finance skills), it ranks low in

graduates in sciences (39th) despite an improvement from 43rd in 2019.

Luxembourg's increase in the overall talent ranking is partly the result of its performance in the investment and development factor in which moves up from 5th to 3rd. It leads the table in the total public expenditure on education (per student) and in the quality of education in primary school (as measured by pupil-teacher ratio). In appeal, it ranks 5th with solid performances in prioritizing the attracting and retaining of talent (2nd), the availability of foreign highly-skilled personnel (4th) and remuneration in services professions (3rd). In the readiness factor it ranks relatively low (19th) as a result of a negative turn in executive opinions about - for example - the availability of competent senior managers and the effectiveness of its primary and secondary education.

Iceland improves in the investment and development, and readiness factors (from 6^{th} to 4^{th} , and from 18^{th} to 16^{th} , respectively). In appeal, it remains 6^{th} . The country performs strongly in both measures of public expenditure on education (2^{nd} and 3^{rd}), and also in the quality of education in primary school (8^{th}).

Under appeal, Iceland moves up in several indicators including the impact of brain drain in the economy, the level of motivation among workers and the quality of life that it offers. Despite some improvements in the level of attraction for foreign highly-skilled staff, Iceland remains in the lower ranks in that indicator (41st). In readiness, it reached the top of the ranking in the availability of skilled labor and moves up to 4th (from 6th) in the availability of finance skills. In graduates in sciences, however, Iceland drops to a strikingly low position (53rd).

Sweden remains in 7th position in investment and development but drops slightly in appeal and readiness. Its performance in both measures of public expenditure on education remains solid. The quality of education indicators (pupil-teacher ratio), however, rank low with primary school at 26th (down from 19th last year) and secondary school at 34th (up from 39th). The implementation of apprenticeships plummets to 43rd (from 30th). Sweden remains strong in measures of environmental protection, ranking 3rd in exposure to particle pollution (mean population exposure to PM2.5, micrograms per cubic metre). It also ranks among the top (5th up from 8th) in quality of life and the motivation of workers (4th up from 8th). Sweden drops to 23rd (from 17th) in the graduates in sciences measure but improves in PISA educational assessment (PISA survey of 15-year olds) moving up to 15th position (from 25th). It observes a similar trend in the availability of skilled labor, rising to 12th (from 23rd).

Austria drops to 6^{th} (from 4^{th}) in investment and development and in readiness it falls to 12^{th} (down from 10^{th}). In appeal, however, it moves up to 11^{th} (from 13^{th}). Under investment and development, Austria reaches the top position in the effectiveness of its health infrastructure, 2^{nd} in the prioritization of employee training and 3^{rd} in the

implementation of apprenticeships. It remains low in total public expenditure on education (28th) but the quality of education measures (pupil-teacher ratio) rank higher, with primary school at 11th (from 13th) and secondary school stable at 7th.

In appeal, it improves in the brain drain (from 16th to 11th), reaches 1st (from 2nd) in the quality of life indicator, and remains 2nd in worker motivation. In readiness, Austria drops to 27th (from 23rd) in the PISA educational assessment and in the availability of finance skills (38th) and of senior managers with significant international experience (27th). It improves, however, in the effectiveness of its primary and secondary school system (8th).

In investment in development, Norway drops to 5th (from 3rd), in appeal it remains in 10th and in readiness improves from 21st to 20th. Its total public expenditure on education (percentage of GDP, 17th), quality of education (primary school pupil-teacher ratio, 4th), implementation of apprenticeship (7th) and female participation in the workforce (percentage of total labor force, 20th) slightly drop.

Norway performs strongly in exposure to particle pollution at 7th, in the impact of brain drain (4th), and worker motivation (5th) but drops in the prioritization of attracting and retaining talent (20th). Norway's improvement in the readiness factor is mainly driven by advances in the effectiveness of management education (9th, up from 14th), the availability of language skills (10th from 15th) and inbound student mobility (foreign tertiary-level students per 1'000 inhabitants) in which it moves from 38th to 32nd.

Canada's improvement in the talent overall ranking (from 13th to 8th) is the result of its performance across all talent factors. It rises to 19th (from 26th) in investment and development, to 3rd (from 5th) in appeal and 7th (from 15th) in readiness. Canada improves, under investment and development, in apprenticeships and employee training. Its performance remains low in total public expenditure on education (36th) with both measures relating to the quality of education also lacking (primary school at 40th and secondary school at 43rd).

In appeal, it improves in several indicators including attracting and retaining talents (from 24th to 19th), worker motivation (21st to 15th) and brain drain (22nd to 13th). It remains in the 4th rank in the measure of environmental protection (exposure to particle pollution). Under readiness, Canada advances, for example, in the international experience of managers indicator and in the availability of language skills and inbound student mobility. It also remains in a robust position (7th) in the PISA educational assessment.

Singapore improves in investment and development (21st from 25th) within which it advances in several indicators including the implementation of apprenticeship programs, employee training, quality of education (secondary school pupil-teacher ratio) and female participation in the workforce. In the total public expenditure on education

it remains at 61st (but this is because of demographics). In appeal it drops from 20th to 22nd experiencing, at the indicator level, decreases in the quality of life, attracting overseas staff and the pollution measures.

It improves in worker motivation (17th from 20th) and the impact of brain drain (8th from 9th). Singapore remains at the top of the ranking in readiness, observing improvements in several indicators including the availability of skilled labor and finance skills. Singapore sustains its strong performance in readiness despite slight drops in PISA educational assessment, inbound student mobility, availability of language skills and graduates in sciences.

The Netherlands remains in 16th position in investment and development, in 7th in appeal and drops to 8th (from 7th) in readiness. With the exception of the measures of total public expenditure on education (it drops to 24th from 21st as a percentage of GDP, and remains at 13th in the per student

indicator) and the effectiveness of its health infrastructure (it drops to 10th from 7th), all other indicators of investment and development improve, to varying degrees.

In appeal, the Netherlands improves in the prioritization of attracting and retaining talent and it remains in the same position in the remuneration indicators (13th in service professions and 12th in management). It slightly drops but remains at the top of the rankings in worker motivation (6th), brain drain (5th) quality of life (7th), attraction for overseas highly-skilled staff (6th) and the implementation of justice (3rd). Under readiness, it experiences slight decreases in several indicators including the availability of skilled labor (10th) and finance skills (5th), and the PISA assessment (16th). It improves in graduates in sciences (56th from 60th) and inbound student mobility (10th from 11th).

Key trends among highly talent competitive countries

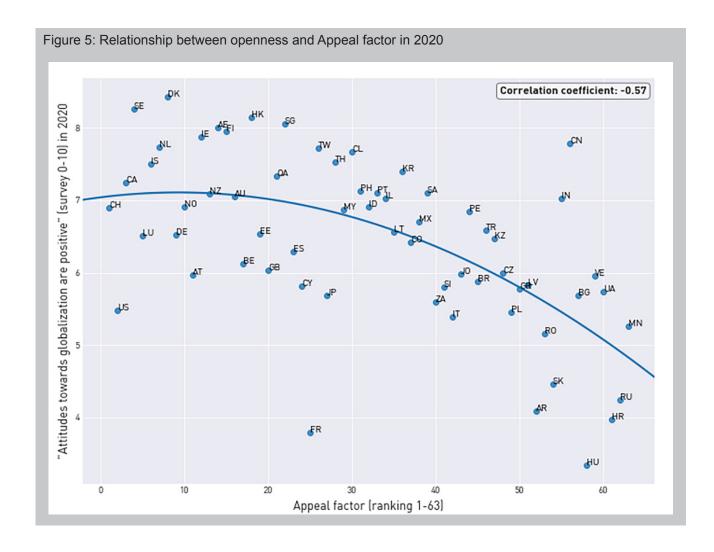
As we stated previously, talent competitive economies carry out their talent development efforts in a holistic manner. That is to say, they target every aspect of the talent-development process, going beyond the purely academic component to encompassing more vocational elements such as apprenticeship programs and continued employee training. **Figure 4** shows five measures related to the talent development process including academic and more vocational aspects. In all of these indicators, the top performers are countries that top the overall talent competitiveness rankings.

It important to note that in the implementation of apprenticeships schemes and the prioritization of employee training, Germany is a top performer. Although the country is not in the top 10 of the ranking, it occupies 11th position and, over time, has developed a robust infrastructure around apprenticeships and employee training.

Figure 4 also shows a measure of employee motivation, another key trend among highly talent-competitive economies. Similarly to measures of education, top performers in employee motivation are countries in the top 10 of the rankings.

Another key trend among talent-competitive economies is their openness towards people and ideas. **Figure 5** shows that the relationship between the attitudes that society has towards globalization and the appeal factor. It shows that despite its current somewhat restrictive immigration practices, the USA remains open and attractive for overseas talent and is able to retain the local component of the talent pool. Other talent-competitive countries such as Switzerland, Luxembourg, Germany, Austria and Norway also show positive attitudes towards globalization and high appeal.

Holistic approach to local talent		Top performers		Under performers			
Total public expenditure on education per enrolled student (US\$)	Luxembourg 29'052\$	Switzerland 24'292\$	lceland 19'007\$	Indonesia 454\$	Philippines 421\$	India 332\$	
Apprenticeships are sufficiently	Switzerland	Germany	Austria	Croatia	Romania	Slovak Republic	
implemented (survey 0-10)	8.86	8.45	8.25	3.13	3.11	2.39	
University education meets the need of	Switzerland	Denmark	Singapore	Bulgaria	Slovak Republic	Mongolia	
the economy (survey 0-10)	9.05	8.83	8.82	3.82	3.30	4.13	
Employee training is a high priority in	Denmark	Austria	Germany	Bulgaria	Slovak Republic	Croatia	
companies (survey 0-10)	7.80	7.67	7.61	4.76	4.69	3.90	
Management education meets the	Switzerland	Denmark	Singapore	Bulgaria	Croatia	Romania	
needs of the companies (survey 0-10)	8.59	8.31	8.16	4.0	3.97	3.94	
Worker motivation in companies is high (survey 0-10)	Denmark 8.22	Austria 7.69	Switzerland 7.60	South Africa 4.0	Croatia 3.94	Slovak Republic	



Largest shifts in the overall talent ranking

Among the *largest increases*, Turkey moves up from 58th to 46th (the greatest improvement this year) due to advances across all talent factors. In investment and development (46th, up from 58th), it improves (to a different extent), or remains in the same position, in most indicators captured by this factor. In appeal (46th, up from 53rd), Turkey improves in all indicators with the exception of the cost of living index, remuneration indicators and pollution in which it remains in the same rank. Under readiness (41st, up from 56th), Turkey's ranking is boosted by advances in all indicators with the exception of labor force growth, which drops to 33rd position.

Estonia improves from 27th to 19th position as a result of advances in all talent factors. In investment and development (10th, up from 21st), it improves in all indicators captured by the factor (to varying degrees). The trend in appeal (19th, up from 23rd) is more balanced, improving in all indicators with the exception of the cost of living index, quality of life, remuneration measures and pollution, in which it remains in the same position as last year.

Under readiness (32^{nd} , up from 35^{th}), Estonia improves in all indicators (to different degrees) with the exception of the availability of competent senior managers, in which it

remains in the same position and graduates in science in which it drops to 18^{th} (from 16^{th}).

The UAE moves up from the 30th to 24th position. This is mainly driven by its improvement in the readiness factor (3rd up from 13th) in which it performs strongly in various indicators including graduates in sciences (17th), availability of skilled labor (2nd), availability of senior managers with significant international experience (2nd), availability of competent senior managers (1st) and inbound student mobility (6th).

This year Chile improves from 46th to 41st in the overall ranking. At the factor level, it improves in investment and development (48th from 50th) and appeal (30th from 34th), but declines in readiness (from 46th to 48th). At the indicator level, Chile advances in several indicators including the implementation of apprenticeship programs, the level of employee training, the level of worker motivation and the PISA educational assessment. It declines in the quality of life it offers and in the effectiveness of its primary and secondary education, among others.

Among the *largest downturns*, Russia experiences the largest decline in our sample dropping from the 47th to

54th position. This down-shift results from declines across all talent factors. Russia decreases from 45th to 47th in the investment and development factor, from 59th to 62nd in appeal and from 36th to 47th in readiness. Under investment and development, all indicators place at the 48th rank or below (except for secondary school pupil-teacher ratio, 27th and female labor participation, 5th). Similarly, in appeal, all indicators drop or remain stagnant at the 51st position or below (with the exception of effective income tax rate, 17th, and the pollution measure at 31st). Russia's performance in readiness is similar with most indicators ranking between the 43rd (effectiveness of primary and secondary education) and 61st (availability of senior managers with significant international experience) positions.

Saudi Arabia declines from 29th to 34th mainly as a result of decreases in investment and development (from 28th to 37th) and readiness (from 22nd to 30th). In the former, the performance of Saudi Arabia slightly deteriorates in both measures of total public expenditure on education. Furthermore, the quality of education at primary school level shows a steep downturn. Under readiness, despite

an upturn in executives' opinion about the availability of specific skills, graduates in sciences drops from 38th to 45th position, student inbound mobility from 30th to 34th and labor force growth from the 1st to 4th rank.

Kazakhstan drops from 38th to 44th position in the overall talent ranking. It declines across all talent factors, sliding from 39th to 41st in the investment and development factor, from 39th to 47th in appeal and from 38th to 50th in readiness. The implementation of apprenticeship programs and employee training drop to 23rd and 21st, respectively. In addition, measures of total public expenditure on education remain low (59th as a percentage of GDP, and 53rd per student) despite some improvement in both. Under appeal, business executives' perceptions about worker motivation plunges to 44th position (from 30th); the prioritization of talent attraction and retention drops to 43rd (from 34th); and the attractiveness of the country for overseas highly-skilled staff slides to 31st (from 23rd). In the readiness factor, most indicators drop (to varying degrees) except for graduates in sciences, which improves two positions to 31st, and student inbound mobility which remains at 50th.

Bottom 10 countries

As discussed in the previous section, Russia drops to 54th position and in so doing it places at the bottom 10 of the overall talent ranking.

Similarly, Bulgaria declines to 55th (from 52nd) entering the bottom of the ranking. Such deterioration results mainly form the readiness factor's performance (dropping from 55th to 57) in which Bulgaria slides in most indicators (to a varying extent) and rank at the 45th position or lower with the effectiveness of university and management education both ranking at 61st.

In investment and development (45th), Bulgaria experiences a decline in secondary school pupil-teacher ratio to 41st (from 36th) and the prioritization of employee training (61st from 55th). Within appeal (57th), it slightly deteriorates in the quality of life ranking at 60th place and in the implementation of justice placing at 54th. Bulgaria's performance in the attraction of foreign highly-skilled personnel, also shows a downturn from 50th to 56th.

Mexico improves from 60th to the 56th but remains at the bottom of the table. The improvements mainly originate in the country's performance in appeal (38th from 40th) and readiness (38th from 47th). In investment and development, Mexico remains in 62nd position. In this factor, the country displays improvements in the implementation of apprenticeship programs (36th from 42nd) and employee training (43rd from 49th) but its performance in measures of total public expenditure on education and the quality of education remain weak with female participation in the labor force remaining at 54th.

The prioritization of attracting and retaining talent improves to the 46th rank (from 54th) and the level of worker

motivation to 33^{rd} (from 42^{nd}) - both contributing to the overall improvement in appeal. The availability of skilled labor (33^{rd} from 38^{th}), finance skills (45^{th} from 53^{rd}) and competent senior managers (38^{th} from 44^{th}) mainly drive the country's performance in readiness. Importantly, Mexico shows a decline in the graduates in sciences indicators (22^{nd} to 26^{th}) and student inbound mobility (54^{th} to 59^{th}).

Romania drops to the 57th rank (from 55th). At the factor level, it declines in appeal (from 52nd to 53rd) and in readiness (from 50th to 55th). A combination of downturn and stagnation in the indicators that measure appeal contributes to its slight drop. Among the indicators that experience a downturn are the prioritization of talent attraction and retention, worker motivation and the impact of brain drain. Among the stagnant indicators are the measures of remuneration (both at 50th) and the implementation of justice (47th). In the case of readiness, declines in the availability of skilled labor, finance skills and managers with significant international experience partially drive Romania's performance in this factor.

Colombia moves down to 58^{th} position (from 54^{th}). It slightly declines in the appeal factor from 36^{th} to 37^{th} but experiences a steeper dip in readiness from 53^{rd} rank to 60^{th} . The downturn in appeal is mainly driven by a pessimistic turn in executives' opinions in terms of the private sectors' prioritization of attracting and retaining talent (55^{th}), workers motivation (48^{th}) and the quality of life (58^{th}).

In the case of readiness, all indicators that capture the availability of skills drop to different degrees; for example, the availability of skilled labor (46th) and of finance skills (49th). Measures of the effectiveness of the educational system also drop or remain stagnant; for example, the

effectiveness of primary and secondary education declines to 51st and graduates in sciences to 34th, while the indicator of how well management education satisfies the demands of the economy remains at 50th.

Brazil displays a slight improvement in the overall talent ranking moving up to the 59th rank (from 61st). This positive shift is mainly driven by its performance in appeal. The improvement in the latter factor is largely the result of increases in indicators including the level of worker motivation, quality of life and the attractiveness of the country for foreign highly-skilled labor (although they continue to rank low: 41st, 56th and 57th). Despite drops in investment and development and readiness, there are some improvements within both factors. Female participation in the workforce (37th) and the effectiveness of the health system (53rd) improve in investment and development. In the case of readiness, graduates in sciences (54th) and PISA educational assessment (54th) slightly improve.

Venezuela advances to 60th position (from 62nd) largely due to a slightly positive turn in executives' opinions. For example, it improves in the implementation of apprenticeship programs (39th), employee training as priority of the private sector (48th), level of worker motivation (59th) and the availability of language skills (58th). While female participation in the labor-force also improves (48th) and the pollution indicator remain at 38th, the effectiveness of the health infrastructure and the quality of life remain at the bottom of the ranking.

The Slovak Republic drops from 57th position to 61st. This down shift results partially from declines in the investment and development factor (from 47th to 49th) and the readiness factor (from 59th to 61st). Although it performs relatively high in measures of public expenditure (43rd as a percentage of GDP and 37th per student) and the quality of the education system (44th in primary education and 40th in secondary), the country's implementation of apprenticeship

schemes ranks 63rd and the prioritization of the workforce training is at 62nd.

Similarly, several measures of appeal rank extremely low including the prioritization of attracting and retaining talent (62nd), worker motivation (63rd) and the impact of brain drain (61st). With few exceptions, measures of readiness slightly drop including the availability of finance skills (61st) and the effectiveness of primary and secondary education (61st). Nevertheless, there are some positive signs in readiness. Graduates in science moves up one rank to 40th position, the availability of language skills goes up to 51st (from 54th) and the PISA educational assessment from 38th to 36th.

India declines to 62nd position (from 59th). It remains at the 63rd rank in investment and appeal, slightly improves in appeal to 55th (from 57th) and remains in 25th place in readiness. Although total public expenditure on education as a percentage of GDP ranks at 35th, expenditure per student - as well as both measures of the quality of education (pupil-teacher ratio in primary and secondary school) - rank at 62nd. The implementation of apprenticeship schemes and employee training decline (35th and 44th, respectively). In addition, while the country's attractiveness for overseas highly-skilled personnel (46th), quality of life (52nd) and the implementation of justice (34th) drop, pollution remains at 61st. The availability of skilled labor drops (22nd) as well as the availability of senior managers with a significant international experience (41st), the effectiveness of university education (45th) and graduates in sciences

Mongolia remains in 63rd with several indicators ranking below 60th including quality of life (61st), effective personal income tax rate (63rd), the availability of skilled labor (63rd) and of finance skills (62nd). Nevertheless, it experiences some improvements in employee training (9th), the effectiveness of its health infrastructure (54th), female participation in the workforce (26th) and graduates in sciences (28th).

Concluding remarks

Earlier this year, we published the IMD World Digital Ranking in which we pointed out that countries that sustain their digital progress, are those that enjoy the flexibility and adaptability of not only the private sector but also of individuals. Moreover, we indicated that it was such flexibility and adaptability in terms of upcoming technologies that may enable societies to overcome the current crisis. This finding can be echoed in terms of talent.

Companies that are flexible in relation to work practices (e.g., working from home) and are adaptable in how they employ their available talent (e.g. redeploying available skills and competencies to new services such as online) under constantly changing circumstances are coping better in the current context. It is also important to note that such

enterprises are able to sustain a good level of motivation among their staff. The latter is fundamental for maintaining productivity and thus creating a smoother transition to a post-COVID-19 environment.

There is the risk that in a post-crisis context countries decide to turn inwards in their efforts to revitalize their economies. In other words, some countries may experience a downturn in their openness. It is thus essential to note that openness is a fundamental input to talent competitiveness not only for aspects related to the attraction of overseas staff but also retaining local talent. Importantly, talent competitiveness may be a fundamental component for economic recovery in a post-COVID era.

Appendices

Composition of sub-regions and regions.

	Austria	Italy			
	Belgium	Luxembourg			
	Cyprus	Netherlands			
	Denmark	Norway			
Western Europe	Finland	Portugal			
	France	Spain			
	Germany	Sweden			
	Greece	Switzerland			
	Iceland	United Kingdom			
	Ireland		Europe,		
	■ Bulgaria	Latvia	Middle East &		
	Czech Republic	Poland	Africa		
Footows France	Estonia	Romania			
Eastern Europe	Croatia	Slovenia			
	Hungary	Slovak Republic			
	Lithuania	Ukraine			
	Israel	South Africa			
Western Asia &	Jordan	Turkey			
Africa	Qatar	" UAE			
	Saudi Arabia				
Ex-CIS &	Kazakhstan	Russia			
Central Asia	Mongolia				
	China Mainland	Korea Rep.			
Eastern Asia	Hong Kong SAR	Taiwan			
	Japan		Asia &		
	Australia	New Zealand	Pacific		
Southern Asia &	India	Philippines			
The Pacific	Indonesia				
	Malaysia	Thailand			
North America	■ Canada	" USA			
North America	Mexico				
	Argentina	Colombia	The Americas		
South America	Brazil	Peru			
	Chile	Venezuela			

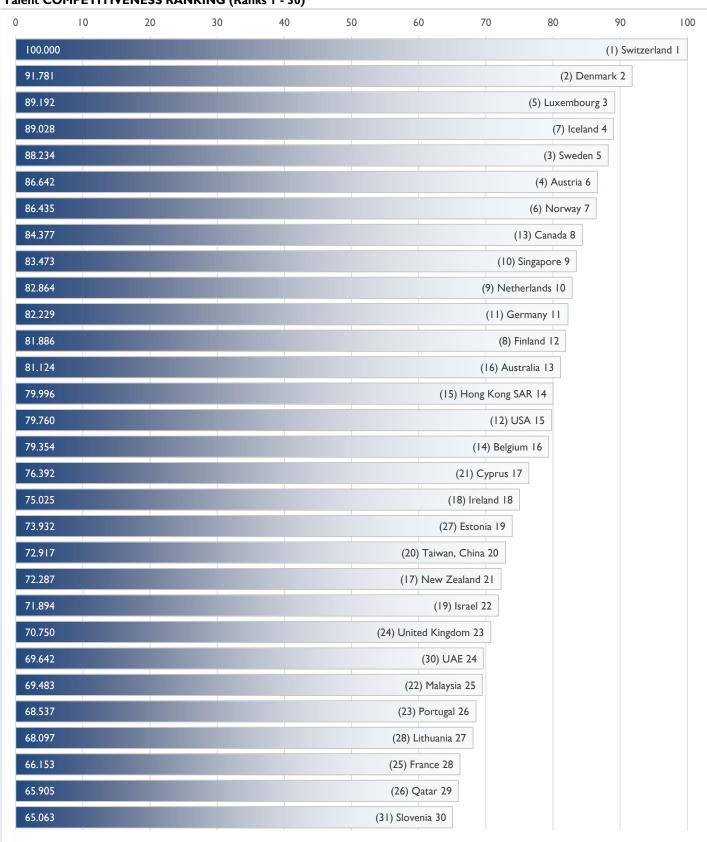
IMD WORLD TALENT RANKING 2020

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The 2020 IMD World

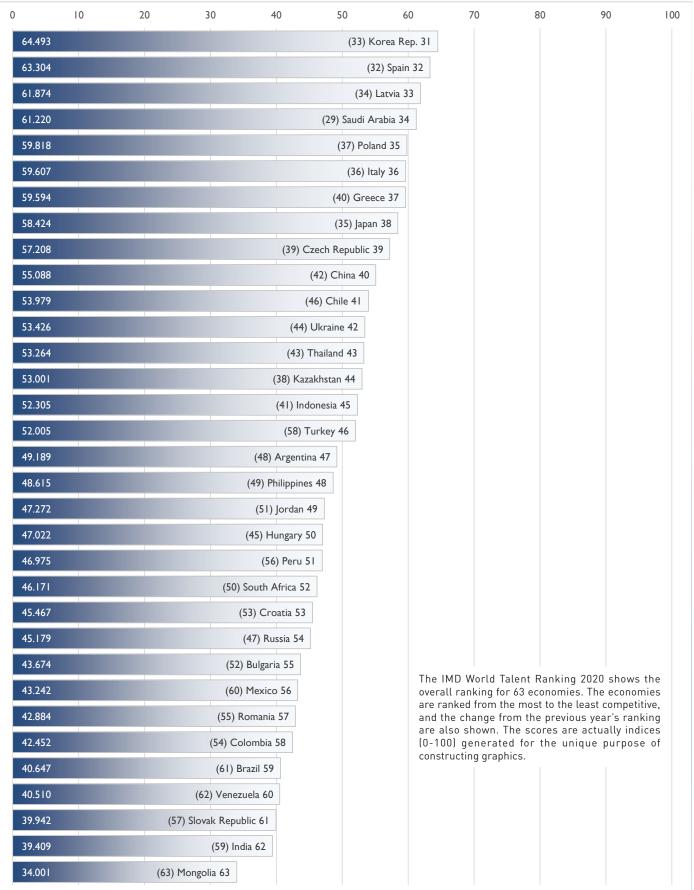




(2019 rankings are in parentheses)

Talent Ranking

Talent COMPETITIVENESS RANKING (Ranks 31 - 63)



Methodology in a Nutshell

- 1. The IMD World Talent Ranking (WTR) assesses the status and the development of competencies necessary for enterprises and the economy to achieve long term value creation. It does so by using a set of indicators which measure the development, retention and attraction of a domestic and international highly-skilled workforce.
- 2. Based on our research, the methodology of the World Talent Ranking defines Talent Competitiveness into three main factors:
 - Investment and Development
 - Appeal
 - Readiness
- 3. These 3 factors comprise 31 criteria, although each factor does not necessarily have the same number of criteria (for example, it takes more criteria to assess Readiness than to evaluate Investment and Development).
- 4. Each factor, independently of the number of criteria it contains, has the same weight in the overall consolidation of results that is 1/3 (3x33.3 ~100).
- 5. Criteria can be hard data, which analyze talent development as it can be measured (e.g. Total Public Expenditure on Education) or soft data, which analyze the quality of these investments as they can be perceived (e.g. Management Education).
- 6. Finally, to compute the overall World Talent Ranking, we aggregate the criteria to calculate the scores of each factor which function as the basis to generate the overall ranking.

What is the IMD World Talent Ranking?

World Talent Ranking Factors

Investment and development

The investment in and development of home-grown talent

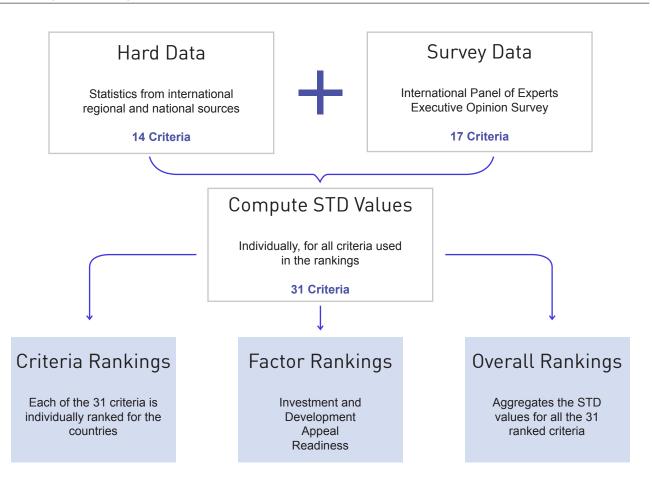
Appeal

The extent to which a country taps into the overseas talent pool

Readiness

The availability of skills and competencies in the talent pool

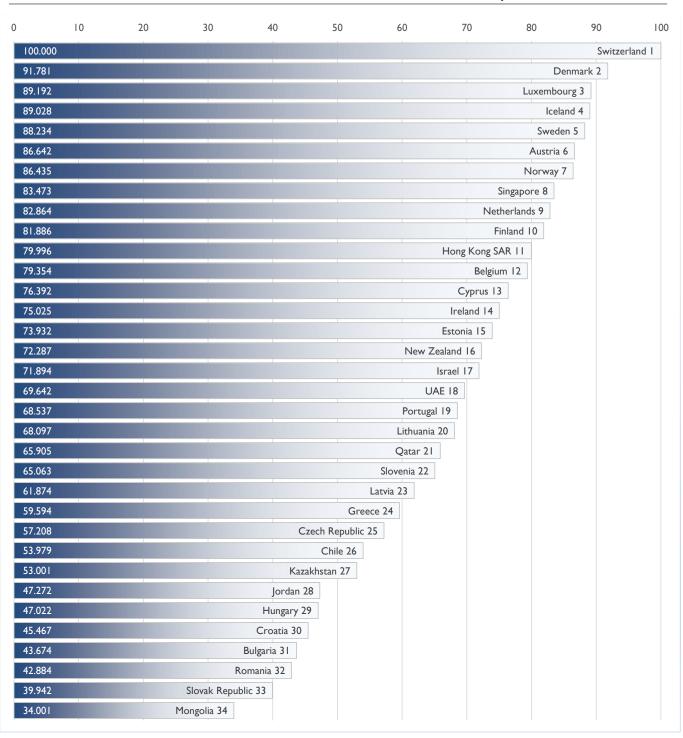
Computing the Rankings

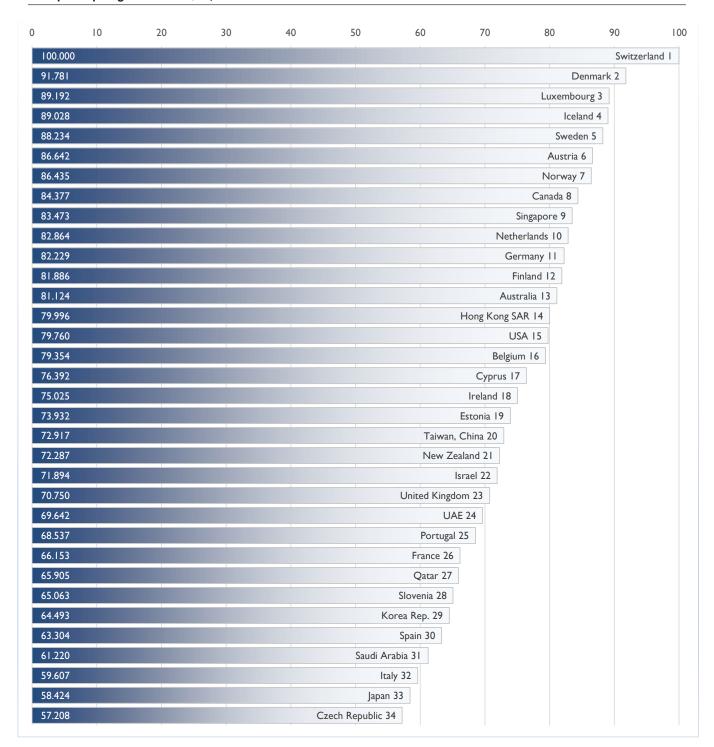


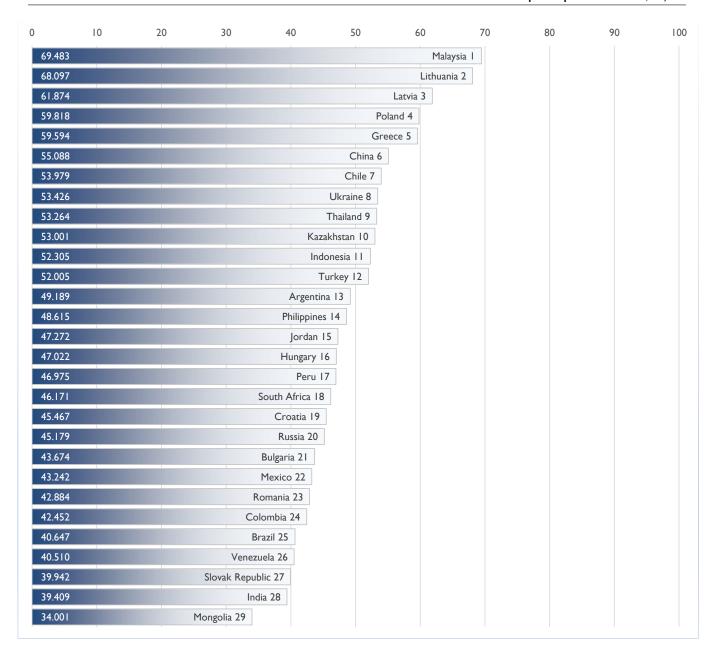
The 2020 IMD World Talent Rankings: Selected Breakdowns

Populations greater than 20 million 90 10 20 40 80 100 84.377 Canada I 82.229 Germany 2 81.124 Australia 3 79.760 USA 4 72.917 Taiwan, China 5 70.750 United Kingdom 6 69.483 Malaysia 7 66.153 France 8 64.493 Korea Rep. 9 63.304 Spain 10 61.220 Saudi Arabia II Poland 12 59.818 59.607 Italy 13 58.424 Japan 14 55.088 China 15 53.426 Ukraine 16 53.264 Thailand 17 Indonesia 18 52.305 52.005 Turkey 19 49.189 Argentina 20 48.615 Philippines 21 46.975 Peru 22 46.171 South Africa 23 45.179 Russia 24 43.242 Mexico 25 42.452 Colombia 26 40.647 Brazil 27 40.510 Venezuela 28 39.409 India 29

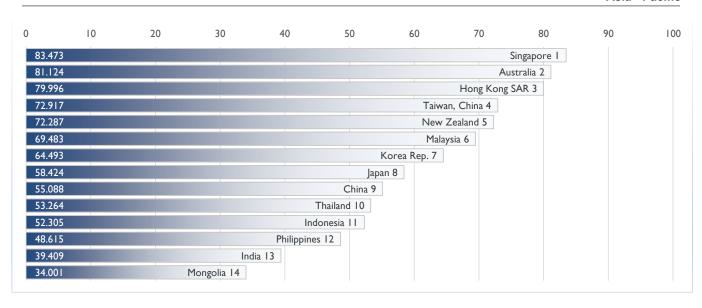
Populations less than 20 million

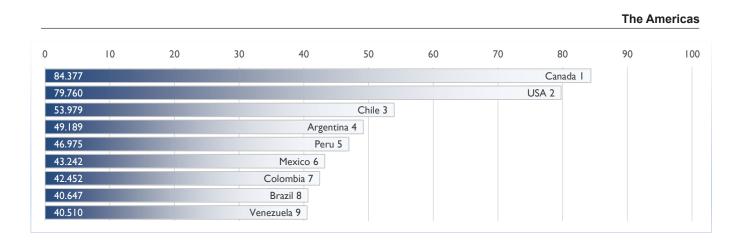






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89.192								Luxembo		
89.028									ınd 4	
88.234								Swede		
86.642	2							Austria		
86.43								Norway	7	
82.864	4						Ne	therlands 8		
82.229	9							Germany 9		
81.88	6							inland 10		
79.354	4						Belgiu	ım II		
76.392	2						Cyprus I	2		
75.02							Ireland 13			
73.932	2						Estonia 14			
71.894	4						Israel 15			
70.750	0					United King	dom 16			
69.642	2					U	AE 17			
68.537	7					Portuga	ıl 18			
68.097	7					Lithuania	19			
66.153	3					France 20)			
65.90	5					Qatar 21				
65.063	3					Slovenia 22				
63.304	4					Spain 23				
61.874	4					Latvia 24				
61.220	0				Saudi A	Arabia 25				
59.818	8				Pol	and 26				
59.607	7				l1	taly 27				
59.594	4				Gree	ece 28				
57.208	8			C	Zech Republic	29				
53.426	6				Ukraine 30					
53.00				Kaz	zakhstan 31					
52.00	5			Т	Turkey 32					
47.272				Jordan :						
47.022				Hungary 3	34					
46.17				South Africa 35	5					
45.467				Croatia 36						
45.179				Russia 37						
43.674				Bulgaria 38						
42.884	4		R	omania 39						
39.942	2		Slovak Repul	olic 40						

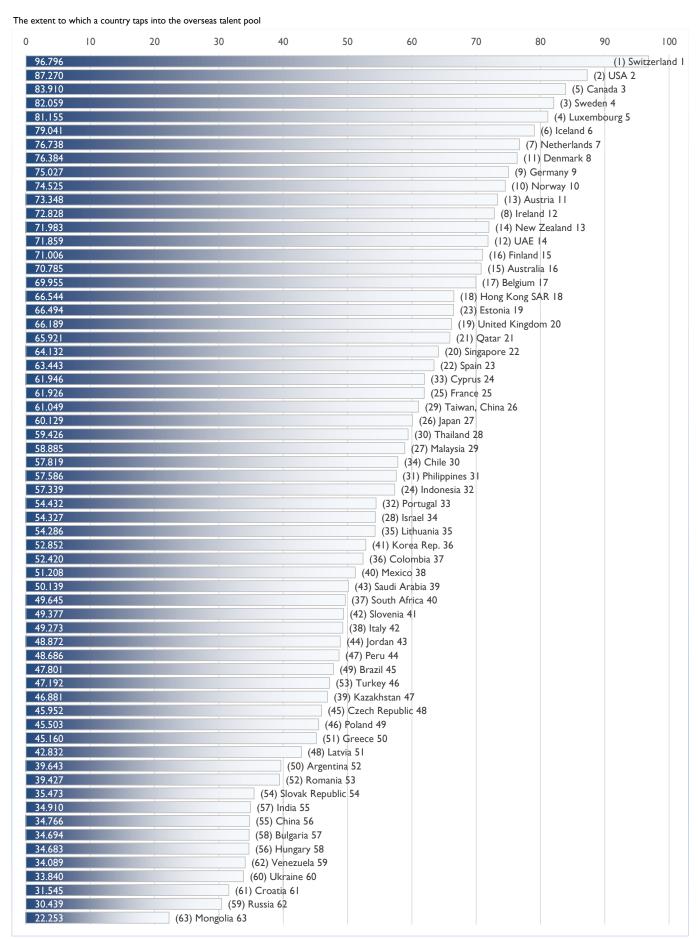




Factor 1: Investment & Development

The investment in and development of home-grown talent 0 10 20 30 40 50 60 70 80 90 100 100.000 (2) Switzerland I 96.729 (I) Denmark 2 95.718 (5) Luxembourg 3 95.275 (6) Iceland 4 94.832 (3) Norway 5 91.389 (4) Austria 6 85.410 (7) Sweden 7 83.229 (9) Belgium 8 81.172 (17) Israel 9 77.928 (21) Estonia 10 76.876 (II) Germany II (10) Finland 12 76.751 74.100 (14) Lithuania 13 (8) Cyprus 14 73.013 72.472 (12) Latvia 15 72.010 (16) Netherlands 16 69.881 (15) USA 17 69.314 (34) Australia 18 (26) Canada 19 69.058 68.400 (22) Slovenia 20 67.044 (25) Singapore 21 66.938 (13) Portugal 22 66.696 (20) Hong Kong SAR 23 66.621 (27) Poland 24 64.513 (24) Taiwan, China 25 (18) Ukraine 26 63.432 60.741 (23) France 27 (19) Korea Rep. 28 60.698 (29) New Zealand 29 60.071 59.280 (37) Greece 30 58.972 (35) Spain 31 58.781 (36) Croatia 32 58.684 (31) Italy 33 58.170 (32) Malaysia 34 56.977 (33) Hungary 35 56.829 (30) Japan 36 55.528 (28) \$audi Arabia 37 54.118 (38) United Kingdom 38 (44) Ireland 39 53.815 53.054 (40) Czech Republic 40 50.323 (39) Kazakhstan 41 48.121 (42) China 42 47.213 (43) Argentina 43 45.748 (41) Qatar 44 42.950 (46) Bulgaria 45 (58) Turkey 46 39.499 39.139 (45) Russia 47 38.765 (50) Chile 48 37.378 (47) Slovak Republic 49 37.115 (48) Venezuela 50 34.170 (49) Thailand 51 (51) Indonesia 52 33.567 32.831 (54) Romania 53 32.659 (55) Peru 54 32.375 (53) UAE 55 31.789 (52) Brazil 56 28.813 (56) South Africa 57 26.430 (60) Colombia 58 25.306 (59) Mongolia 59 25.136 (57) Jordan 60 12.293 (61) Philippines 61 7.320 (62) Mexico 62 (63) India 63

(2019 rankings are in parentheses)



(2019 rankings are in parentheses)

Factor 3: Readiness

The availability of skills and competencies in the talent pool 70 0 10 20 30 40 50 60 80 90 100 98.621 (I) Singapore I (4) Hong Kong SAR 2 86.125 84.069 (13) UAE 3 82.651 (5) Australia 4 82.582 (2) Switzerland 5 81.609 (6) Denmark 6 79.541 (15) Canada 7 79.222 (7) Netherlands 8 77.810 (8) Ireland 9 77.279 (3) Finland 10 76.611 (9) Sweden II 74.566 (10) Austria 12 74.160 (14) Germany 13 73.597 (32) Cyprus 14 (12) Taiwan, China 15 72.146 (18) Iceland 16 (23) United Kingdom 17 71.321 70.773 (16) Malaysia 18 70.081 (17) Luxembourg 19 69.325 (21) Norway 20 65.426 (20) Qatar 21 64.257 (24) Belgium 22 64.184 (11) New Zealand 23 63.618 (27) Portugal 24 62.696 (25) India 25 61.754 (31) China 26 61.505 (28) USA 27 59.560 (19) Israel 28 59.308 (34) Korea Rep. 29 57.371 (22) Saudi Arabia 30 56.790 (30) Slovenia 31 (35) Estonia 32 56.753 55.343 (26) Philippines 33 55.284 (33) Lithuania 34 55.169 (29) France 35 53.720 (44) Greece 36 51.996 (39) Czech Republic 37 50.577 (47) Mexico 38 50.242 (37) Italy 39 49.696 (40) Latvia 40 48.704 (56) Turkey 41 47.186 (54) Jordan 42 46.875 (41) Spain 43 46.709 (45) Poland 44 (43) Thailand 45 45.573 45.387 (42) Indonesia 46 45.335 (36) Russia 47 44.732 (46) Chile 48 (51) Ukraine 49 42.384 41.175 (38) Kazakhstan 50 40.089 (52) Argentina 51 39.432 (48) South Africa 52 38.957 (58) Peru 53 37.692 (49) Japan 54 35.772 (50) Romania 55 33.823 (63) Mongolia 56 32.755 (55) Bulgaria 57 29.704 (61) Venezuela 58 28.782 (57) Hungary 59 27.882 (53) Colombia 60 26.352 (59) Slovak Republic 61 25.453 (60) Croatia 62 21.730 (62) Brazil 63

(2019 rankings are in parentheses)

		0	VERALL			Invest	men	t & De	velop	ment
	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Argentina	52	50	47	48	47	51	55	53	43	43
Australia	16	19	14	16	13	29	36	26	34	18
Austria	5	4	4	4	6	3	3	2	4	6
Belgium	3	3	11	14	16	2	2	8	9	8
Brazil	45	52	58	61	59	39	45	49	52	56
Bulgaria	58	58	57	52	55	44	44	45	46	45
Canada	12	II	6	13	8	22	22	19	26	19
Chile	48	44	43	46	41	59	53	55	50	48
China	42	40	39	42	40	45	42	40	42	42
Colombia	57	55	60	54	58	57	59	60	60	58
Croatia	53	60	54	53	53	38	32	39	36	32
Cyprus	-	17	15	21	17	-	8	5	8	14
Czech Republic	33	38	37	39	39	35	39	38	40	40
Denmark	2	2	2	2	2	I	1	1	ı	2
Estonia	26	29	28	27	19	13	14	16	21	10
Finland	6	5	7	8	12	4	4	6	10	12
France	28	27	25	25	28	24	20	21	23	27
Germany	10	8	10	11	11	11	10	10	11	11
Greece	35	41	44	40	37	23	31	29	37	30
Hong Kong SAR	9	12	18	15	14	27	24	31	20	23
	51	54	49	45	50	41	46	41	33	35
Hungary	-	-	-	-						
Iceland	18	18	16	7	4	12	11	12	6	4
India	54	51 47	53	59 41	62	60 55	62 56	63 51	63 51	63
Indonesia	47	-	45		45			-	-	52
Ireland	17	14	21	18	18	30	34	42	44	39
Israel	19	20	19	19	22	19	17	14	17	9
Italy	32	36	32	36	36	32	33	33	31	33
Japan 	31	31	29	35	38	20	18	23	30	36
Jordan	40	49	41	51	49	56	60	50	57	60
Kazakhstan	44	30	40	38	44	34	23	30	39	41
Korea Rep.	38	39	33	33	31	33	38	20	19	28
Latvia	30	35	35	34	33	9	13	- 11	12	15
Lithuania	24	33	36	28	27	10	12	13	14	13
Luxembourg	П	10	9	5	3	15	16	18	5	3
Malaysia	21	28	22	22	25	17	19	17	32	34
Mexico	50	56	61	60	56	58	61	61	62	62
Mongolia	60	62	62	63	63	49	54	57	59	59
Netherlands	8	6	5	9	10	14	15	15	16	16
New Zealand	14	15	20	17	21	25	28	32	29	29
Norway	7	7	3	6	7	6	6	3	3	5
Peru	59	57	52	56	51	54	50	52	55	54
Philippines	55	45	55	49	48	61	63	62	61	61
Poland	29	34	38	37	35	18	21	24	27	24
Portugal	25	24	17	23	26	8	7	7	13	22
Qatar	22	22	24	26	29	48	47	44	41	44
Romania	56	61	56	55	57	47	51	54	54	53
Russia	41	43	46	47	54	42	40	43	45	47
Saudi Arabia	-	26	34	29	34	-	26	35	28	37
Singapore	15	13	13	10	9	40	41	34	25	21
Slovak Republic	39	46	59	57	61	37	43	47	47	49
Slovenia	36	37	30	31	30	21	27	27	22	20
South Africa	43	48	50	50	52	50	57	56	56	57
Spain	34	32	31	32	32	31	30	36	35	31
Sweden	4	9	8	3	5	7	9	9	7	7
Switzerland	ı	ı	I	ı	I	5	5	4	2	ı
Taiwan, China	23	23	27	20	20	28	25	25	24	25
Thailand	37	42	42	43	43	43	48	46	49	51
Turkey	46	53	51	58	46	52	52	58	58	46
UAE	27	25	26	30	24	53	58	59	53	55
Ukraine	49	59	48	44	42	16	35	22	18	26
United Kingdom	20	21	23	24	23	36	37	37	38	38
USA	13	16	12	12	15	26	29	28	15	17

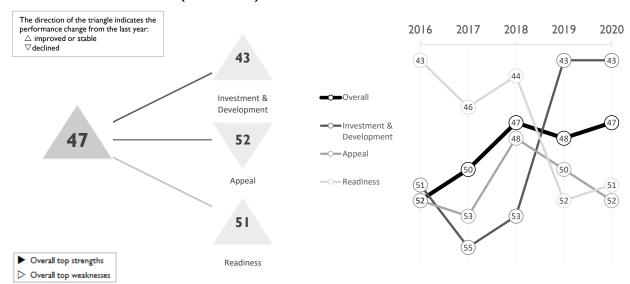
	-	Арреа	ıl			R	eadine	ess		
2016	2017	2018	2019	2020	2016	2017	2018	2019	2020	
52	53	48	50	52	43	46	44	52	51	Argentina
17	18	19	15	16	6	13	6	5	4	Australia
18	15	13	13	- 11	19	16	18	10	12	Austria
14	16	16	17	17	7	12	14	24	22	Belgium
47	47	53	49	45	54	61	61	62	63	Brazil
57	57	58	58	57	57	59	58	55	57	Bulgaria
7	6	3	5	3	- 11	9	5	15	7	Canada
28	27	30	34	30	49	43	35	46	48	Chile
55	54	51	55	56	36	30	32	31	26	China
39	39	45	36	37	55	57	59	53	60	Colombia
58	59	60	61	61	58	62	62	60	62	Croatia
-	21	27	33	24	-	25	26	32	14	Cyprus
34	40	35	45	48	30	36	36	39	37	Czech Republic
- 11	10	7	П	8	4	4	8	6	6	Denmark
35	38	33	23	19	34	35	31	35	32	Estonia
24	24	21	16	15	9	5	7	3	10	Finland
30	29	22	25	25	29	28	28	29	35	France
9	8	6	9	9	18	15	21	14	13	Germany
50	56	54	51	50	35	40	47	44	36	Greece
4	П	14	18	18	5	6	9	4	2	Hong Kong SAR
60	61	59	56	58	53	54	53	57	59	Hungary
20	20	20	6	6	17	21	19	18	16	Iceland
41	43	44	57	55	28	29	30	25	25	India
31	32	34	24	32	45	47	49	42	46	Indonesia
5	5	П	8	12	13	10	12	8	9	Ireland
25	28	23	28	34	22	23	16	19	28	Israel
37	41	36	38	42	33	34	33	37	39	Italy
21	22	28	26	27	51	48	41	49	54	Japan
32	44	39	44	43	25	44	25	54	42	Jordan
54	37	49	39	47	52	32	42	38	50	Kazakhstan
42	42	41	41	36	42	42	34	34	29	Korea Rep.
46	52	52	48	51	41	38	43	40	40	Latvia
36	48	46	35	35	32	45	45	33	34	Lithuania
3	4	4	4	5	16	17	- 11	17	19	Luxembourg
22	30	26	27	29	26	27	24	16	18	Malaysia
33	33	43	40	38	46	53	54	47	38	Mexico
56	60	62	63	63	56	56	55	63	56	Mongolia
13	7	10	7	7	3	3	3	7	8	Netherlands
12	14	17	14	13	8	8	13	П	23	New Zealand
15	13	12	10	10	14	14	10	21	20	Norway
44	46	47	47	44	60	58	57	58	53	Peru
38	34	38	31	31	23	- 11	37	26	33	Philippines
45	45	40	46	49	24	33	39	45	44	Poland
40	36	29	32	33	31	31	22	27	24	Portugal
10	9	8	21	21	10	18	20	20	21	Qatar
51	58	55	52	53	47	55	52	50	55	Romania
53	55	57	59	62	38	39	46	36	47	Russia
-	31	31	43	39	-	26	38	22	30	Saudi Arabia
19	17	15	20	22	2	2	2	1	- 1	Singapore
49	50	56	54	54	39	49	60	59	61	Slovak Republic
48	49	42	42	41	37	37	29	30	31	Slovenia
29	35	37	37	40	50	52	51	48	52	South Africa
27	25	25	22	23	44	41	40	41	43	Spain
6	12	9	3	4	15	19	15	9	- 11	Sweden
1	1	1	I	I	1	I	1	2	5	Switzerland
26	26	32	29	26	27	22	27	12	15	Taiwan, China
23	23	24	30	28	48	50	50	43	45	Thailand
43	51	50	53	46	40	51	48	56	41	Turkey
8	3	5	12	14	12	7	4	13	3	UAE
59	62	61	60	60	59	60	56	51	49	Ukraine
16	19	18	19	20	20	20	17	23	17	United Kingdom
2	2	2	2	2	21	24	23	28	27	USA
61	63	63	62	59	61	63	63	61	58	Venezuela

TALENT COUNTRY PROFILES

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ARGENTINA

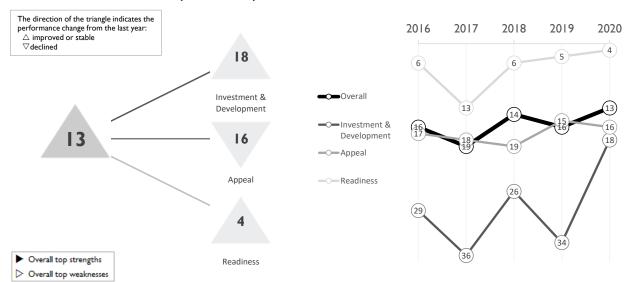


	Investment & Development		Value		2020 Rank
•	Total public expenditure on education	Percentage of GDP	5.5	%	16
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	2,472	US\$	44
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	13.25	ratio	22
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	17.91	ratio	53
	Apprenticeships	are sufficiently implemented	4.49	Survey [010]	49
	Employee training	is a high priority in companies	5.07	Survey [010]	53
	Female labor force	Percentage of total labor force	42.00	%	51
	Health infrastructure	meets the needs of society	4.58	Survey [010]	47

	Appeal		Value	!	2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	78.80	index	30
	Attracting and retaining talents	is a priority in companies	6.31	Survey [010]	44
\triangleright	Worker motivation	in companies is high	4.76	Survey [010]	56
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	4.04	Survey [010]	47
	Quality of life	is high	4.91	Survey [010]	49
\triangleright	Foreign highly-skilled personnel	are attracted to your country's business environment	2.74	Survey [010]	60
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	12,539	US\$	45
\triangleright	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	63,282	US\$	56
▶	Effective personal income tax rate	Percentage of an income equal to GDP per capita	12.45	%	19
\triangleright	Justice	is fairly administered	2.26	Survey [010]	60
•	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	14.23	micrograms	27

	Readiness		Value		2020 Rank
	Labor force growth	Percentage change	0.90	%	30
	Skilled labor	is readily available	5.70	Survey [010]	37
▶	Finance skills	are readily available	6.98	Survey [010]	20
	International experience	of senior managers is generally significant	5.82	Survey [010]	30
	Competent senior managers	are readily available	5.55	Survey [010]	40
	Primary and secondary education	meets the needs of a competitive economy	4.17	Survey [010]	53
\triangleright	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	16.14	%	59
	University education	meets the needs of a competitive economy	5.96	Survey [010]	39
	Management education	meets the needs of the business community	6.30	Survey [010]	40
	Language skills	are meeting the needs of enterprises	5.87	Survey [010]	41
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	2.02	number	37
	Educational assessment - PISA	PISA survey of 15-year olds	395	Average	55

AUSTRALIA

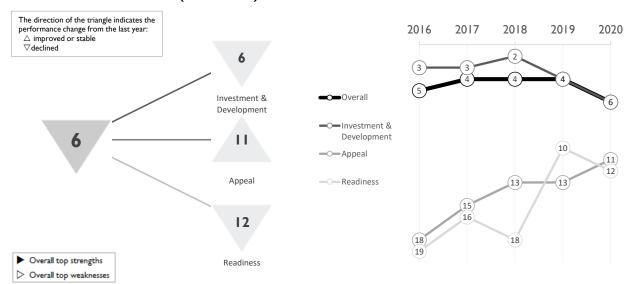


Investment & Development		Value	20	20 Rank
Total public expenditure on education	Percentage of GDP	5.2	%	20
Total public exp. on education per student	Spending per enrolled pupil/student, all levels	10,468	US\$	15
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	14.93	ratio	29
Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	11.89	ratio	28
> Apprenticeships	are sufficiently implemented	4.49	Survey [010]	50
Employee training	is a high priority in companies	5.72	Survey [010]	38
Female labor force	Percentage of total labor force	47.29	%	17
Health infrastructure	meets the needs of society	7.52	Survey [010]	21

	Appeal		Value	!	2020 Rank
\triangleright	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	89.20	index	47
	Attracting and retaining talents	is a priority in companies	7.81	Survey [010]	10
	Worker motivation	in companies is high	6.30	Survey [010]	21
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	5.91	Survey [010]	23
•	Quality of life	is high	9.14	Survey [010]	8
▶	Foreign highly-skilled personnel	are attracted to your country's business environment	7.56	Survey [010]	9
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	46,494	US\$	10
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	166,659	US\$	30
\triangleright	Effective personal income tax rate	Percentage of an income equal to GDP per capita	22.12	%	43
▶	Justice	is fairly administered	8.43	Survey [010]	5
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	8.52	micrograms	- 11

Readiness		Value	2	2020 Rank
Labor force growth	Percentage change	2.13	%	10
Skilled labor	is readily available	6.50	Survey [010]	15
Finance skills	are readily available	7.75	Survey [010]	6
International experience	of senior managers is generally significant	5.59	Survey [010]	37
Competent senior managers	are readily available	6.18	Survey [010]	22
Primary and secondary education	meets the needs of a competitive economy	7.31	Survey [010]	20
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	17.40	%	57
University education	meets the needs of a competitive economy	7.24	Survey [010]	22
Management education	meets the needs of the business community	6.85	Survey [010]	26
Language skills	are meeting the needs of enterprises	6.36	Survey [010]	31
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	17.79	number	I
Educational assessment - PISA	PISA survey of 15-year olds	499	Average	20
	Labor force growth Skilled labor Finance skills International experience Competent senior managers Primary and secondary education Graduates in Sciences University education Management education Language skills Student mobility inbound	Labor force growth Percentage change Skilled labor is readily available Finance skills are readily available International experience of senior managers is generally significant Competent senior managers are readily available Primary and secondary education meets the needs of a competitive economy Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences University education meets the needs of a competitive economy Management education meets the needs of the business community Language skills are meeting the needs of enterprises Student mobility inbound Foreign tertiary-level students per 1000 inhabitants	Labor force growth Percentage change 2.13 Skilled labor is readily available 6.50 Finance skills are readily available 7.75 International experience of senior managers is generally significant 5.59 Competent senior managers are readily available 6.18 Primary and secondary education meets the needs of a competitive economy 7.31 Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences 17.40 University education meets the needs of a competitive economy 7.24 Management education meets the needs of the business community 6.85 Language skills are meeting the needs of enterprises 6.36 Student mobility inbound Foreign tertiary-level students per 1000 inhabitants 17.79	Labor force growth Percentage change 2.13 % Skilled labor is readily available 6.50 Survey [0.10] Finance skills are readily available 7.75 Survey [0.10] International experience of senior managers is generally significant 5.59 Survey [0.10] Competent senior managers are readily available 6.18 Survey [0.10] Primary and secondary education meets the needs of a competitive economy 7.31 Survey [0.10] Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences 17.40 % University education meets the needs of a competitive economy 7.24 Survey [0.10] Management education meets the needs of the business community 6.85 Survey [0.10] Language skills are meeting the needs of enterprises 6.36 Survey [0.10] Student mobility inbound Foreign tertiary-level students per 1000 inhabitants 17.79 number

AUSTRIA

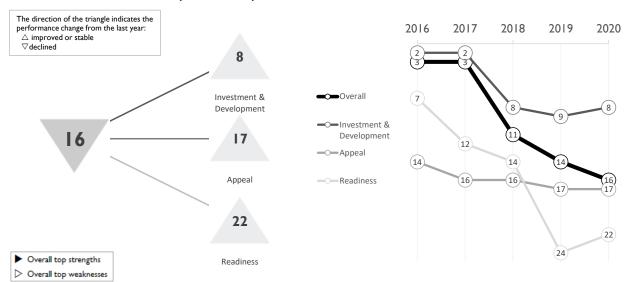


	Investment & Development		Value		2020 Rank
	Total public expenditure on education	Percentage of GDP	4.8	%	28
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	12,570	US\$	10
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	11.55	ratio	- 11
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	9.13	ratio	7
▶	Apprenticeships	are sufficiently implemented	8.25	Survey [010]	3
▶	Employee training	is a high priority in companies	7.67	Survey [010]	2
	Female labor force	Percentage of total labor force	46.81	%	23
▶	Health infrastructure	meets the needs of society	9.17	Survey [010]	I

	Appeal		Value	!	2020 Rank
\triangleright	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	87.20	index	43
	Attracting and retaining talents	is a priority in companies	7.89	Survey [010]	7
•	Worker motivation	in companies is high	7.69	Survey [010]	2
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	6.75	Survey [010]	- 11
▶	Quality of life	is high	9.81	Survey [010]	I
	Foreign highly-skilled personnel	are attracted to your country's business environment	6.61	Survey [010]	17
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	46,305	US\$	12
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	287,910	US\$	5
\triangleright	Effective personal income tax rate	Percentage of an income equal to GDP per capita	29.67	%	62
	Justice	is fairly administered	7.97	Survey [010]	13
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	12.69	micrograms	22

Readiness		Value	!	2020 Rank
Labor force growth	Percentage change	0.46	%	39
Skilled labor	is readily available	5.17	Survey [010]	47
Finance skills	are readily available	6.36	Survey [010]	38
International experience	of senior managers is generally significant	5.94	Survey [010]	27
Competent senior managers	are readily available	5.92	Survey [010]	29
Primary and secondary education	meets the needs of a competitive economy	8.19	Survey [010]	8
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	31.03	%	8
University education	meets the needs of a competitive economy	8.19	Survey [010]	6
Management education	meets the needs of the business community	7.33	Survey [010]	17
Language skills	are meeting the needs of enterprises	7.53	Survey [010]	22
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	8.52	number	5
Educational assessment - PISA	PISA survey of 15-year olds	491	Average	27

BELGIUM

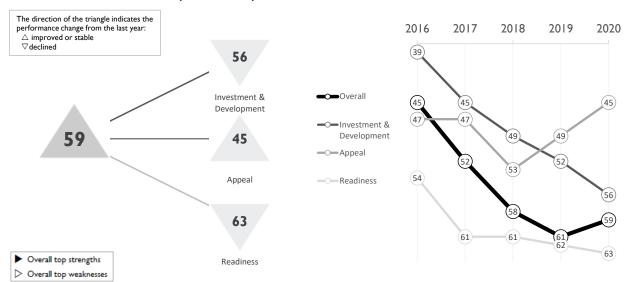


	Investment & Development		Value		2020 Rank
▶	Total public expenditure on education	Percentage of GDP	6.2	%	7
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	11,162	US\$	12
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	12.82	ratio	19
▶	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	9.35	ratio	10
\triangleright	Apprenticeships	are sufficiently implemented	4.91	Survey [010]	38
	Employee training	is a high priority in companies	6.31	Survey [010]	26
	Female labor force	Percentage of total labor force	46.83	%	22
▶	Health infrastructure	meets the needs of society	8.62	Survey [010]	6

	Appeal		Value	!	2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	80.80	index	33
▶	Attracting and retaining talents	is a priority in companies	7.82	Survey [010]	9
	Worker motivation	in companies is high	6.77	Survey [010]	18
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	5.97	Survey [010]	21
	Quality of life	is high	8.77	Survey [010]	
	Foreign highly-skilled personnel	are attracted to your country's business environment	5.74	Survey [010]	27
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	38,108	US\$	18
▶	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	266,075	US\$	10
\triangleright	Effective personal income tax rate	Percentage of an income equal to GDP per capita	22.28	%	45
	Justice	is fairly administered	6.34	Survey [010]	25
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	13.10	micrograms	24

	Readiness		Value	2020 Rank
	Labor force growth	Percentage change	0.88 %	32
\triangleright	Skilled labor	is readily available	5.66 Survey [0	010] 38
	Finance skills	are readily available	7.00 Survey [0)10] 19
	International experience	of senior managers is generally significant	6.53 Survey [0	010] 12
	Competent senior managers	are readily available	6.09 Survey [0	010] 25
	Primary and secondary education	meets the needs of a competitive economy	7.60 Survey [0)10] 16
\triangleright	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	16.99 %	58
	University education	meets the needs of a competitive economy	7.69 Survey [0	010] 16
	Management education	meets the needs of the business community	7.66 Survey [0	010] 13
	Language skills	are meeting the needs of enterprises	7.85 Survey [0	010] 17
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	4.71 number	15
	Educational assessment - PISA	PISA survey of 15-year olds	500 Average	19

BRAZIL

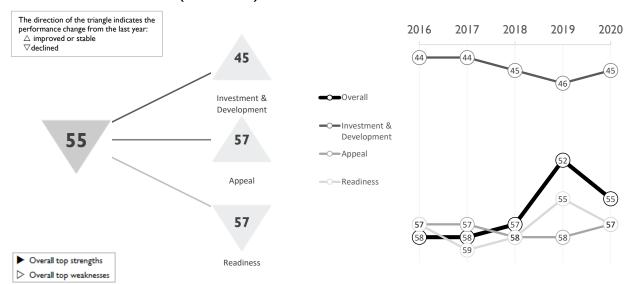


	Investment & Development		Value		2020 Rank
>	Total public expenditure on education	Percentage of GDP	6.0	%	9
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	2,110	US\$	46
\triangleright	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	23.91	ratio	57
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	24.41	ratio	56
	Apprenticeships	are sufficiently implemented	4.61	Survey [010]	45
\triangleright	Employee training	is a high priority in companies	4.85	Survey [010]	59
>	Female labor force	Percentage of total labor force	45.17	%	37
	Health infrastructure	meets the needs of society	3.21	Survey [010]	53

Appeal		Value		2020 Rank
Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	82.40	index	35
Attracting and retaining talents	is a priority in companies	6.25	Survey [010]] 45
Worker motivation	in companies is high	5.58	Survey [010]] 41
Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	4.49	Survey [010]] 41
Quality of life	is high	4.49	Survey [010]	56
Foreign highly-skilled personnel	are attracted to your country's business environment	3.29	Survey [010]	57
Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	15,916	US\$	36
Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	100,107	US\$	48
Effective personal income tax rate	Percentage of an income equal to GDP per capita	9.02	%	14
Justice	is fairly administered	3.40	Survey [010]] 51
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	12.83	micrograms	23

	Readiness		Value	!	2020 Rank
	Labor force growth	Percentage change	-	%	-
	Skilled labor	is readily available	4.12	Survey [010]	54
	Finance skills	are readily available	4.97	Survey [010]	56
	International experience	of senior managers is generally significant	4.57	Survey [010]	56
	Competent senior managers	are readily available	4.87	Survey [010]	50
\triangleright	Primary and secondary education	meets the needs of a competitive economy	2.74	Survey [010]	62
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	18.37	%	54
\triangleright	University education	meets the needs of a competitive economy	4.25	Survey [010]	58
	Management education	meets the needs of the business community	4.76	Survey [010]	56
\triangleright	Language skills	are meeting the needs of enterprises	2.99	Survey [010]	63
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	0.10	number	57
	Educational assessment - PISA	PISA survey of 15-year olds	400	Average	54

BULGARIA

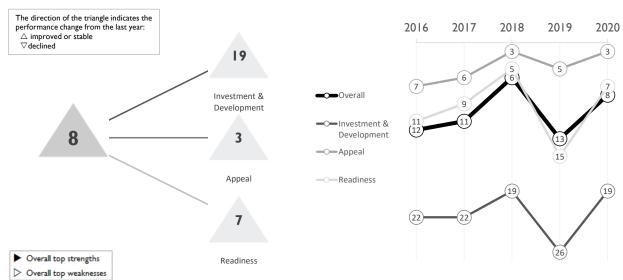


	Investment & Development		Value		2020 Rank
	Total public expenditure on education	Percentage of GDP	3.5	%	47
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	1,930	US\$	49
Þ	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	15.21	ratio	30
Þ	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	13.00	ratio	41
	Apprenticeships	are sufficiently implemented	4.55	Survey [010]	47
\triangleright	Employee training	is a high priority in companies	4.76	Survey [010]	61
Þ	Female labor force	Percentage of total labor force	46.25	%	29
	Health infrastructure	meets the needs of society	3.69	Survey [010]	51

	Appeal		Value	!	2020 Rank
•	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	62.10	index	4
	Attracting and retaining talents	is a priority in companies	5.64	Survey [010]	58
	Worker motivation	in companies is high	4.89	Survey [010]	55
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	3.36	Survey [010]	52
\triangleright	Quality of life	is high	3.64	Survey [010]	60
	Foreign highly-skilled personnel	are attracted to your country's business environment	3.38	Survey [010]	56
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	9,351	US\$	52
\triangleright	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	49,907	US\$	58
	Effective personal income tax rate	Percentage of an income equal to GDP per capita	19.89	%	36
	Justice	is fairly administered	2.93	Survey [010]	54
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	20.29	micrograms	45
	·	·			

	Readiness		Value	2020 Rank
▶	Labor force growth	Percentage change	1.50 %	17
	Skilled labor	is readily available	4.86 Survey [010]] 51
	Finance skills	are readily available	4.67 Survey [010]] 58
	International experience	of senior managers is generally significant	4.86 Survey [010]] 52
	Competent senior managers	are readily available	4.18 Survey [010]] 55
	Primary and secondary education	meets the needs of a competitive economy	4.04 Survey [010]] 55
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	19.28 %	50
\triangleright	University education	meets the needs of a competitive economy	3.82 Survey [010]] 61
\triangleright	Management education	meets the needs of the business community	4.00 Survey [010]] 61
	Language skills	are meeting the needs of enterprises	5.33 Survey [010]] 45
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	2.15 number	35
	Educational assessment - PISA	PISA survey of 15-year olds	427 Average	46

CANADA

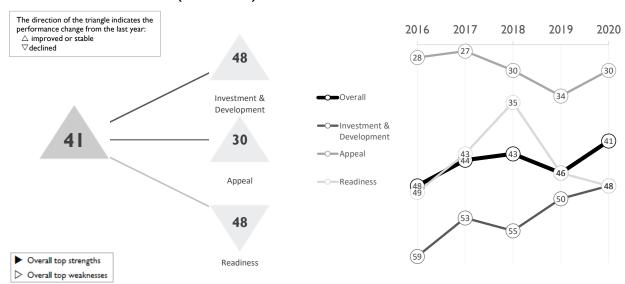


	Investment & Development		Value	e :	2020 Rank
\triangleright	Total public expenditure on education	Percentage of GDP	4.4	%	36
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	11,265	US\$	П
\triangleright	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	16.69	ratio	40
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	13.25	ratio	43
	Apprenticeships	are sufficiently implemented	6.16	Survey [010]	9
	Employee training	is a high priority in companies	6.62	Survey [010]	20
	Female labor force	Percentage of total labor force	47.39	%	15
	Health infrastructure	meets the needs of society	7.54	Survey [010]	19

Appeal		Value	!	2020 Rank
Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	73.30	index	23
Attracting and retaining talents	is a priority in companies	7.57	Survey [010]	19
Worker motivation	in companies is high	6.97	Survey [010]	15
Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	6.59	Survey [010]	13
Quality of life	is high	8.68	Survey [010]	14
Foreign highly-skilled personnel	are attracted to your country's business environment	7.35	Survey [010]	
Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	46,489	US\$	П
Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	204,269	US\$	20
Effective personal income tax rate	Percentage of an income equal to GDP per capita	14.44	%	27
Justice	is fairly administered	7.89	Survey [010]	16
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	6.46	micrograms	4

Readiness		Value	e :	2020 Rank
Labor force growth	Percentage change	1.95	%	13
Skilled labor	is readily available	7.19	Survey [010]	5
Finance skills	are readily available	7.37	Survey [010]	15
International experience	of senior managers is generally significant	6.30	Survey [010]	17
Competent senior managers	are readily available	6.78	Survey [010]	9
Primary and secondary education	meets the needs of a competitive economy	7.78	Survey [010]	14
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	22.38	%	37
University education	meets the needs of a competitive economy	7.86	Survey [010]	13
Management education	meets the needs of the business community	7.84	Survey [010]	8
Language skills	are meeting the needs of enterprises	8.08	Survey [010]	15
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	6.08	number	9
Educational assessment - PISA	PISA survey of 15-year olds	517	Average	7
	Labor force growth Skilled labor Finance skills International experience Competent senior managers Primary and secondary education Graduates in Sciences University education Management education Language skills Student mobility inbound	Labor force growth Skilled labor is readily available Finance skills are readily available International experience of senior managers is generally significant Competent senior managers are readily available Primary and secondary education Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences University education meets the needs of a competitive economy Management education meets the needs of the business community Language skills are meeting the needs of enterprises Student mobility inbound Foreign tertiary-level students per 1000 inhabitants	Labor force growth Percentage change 1.95 Skilled labor is readily available 7.19 Finance skills are readily available 7.37 International experience of senior managers is generally significant 6.30 Competent senior managers are readily available 6.78 Primary and secondary education meets the needs of a competitive economy 7.78 Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences 22.38 University education meets the needs of a competitive economy 7.86 Management education meets the needs of the business community 7.84 Language skills are meeting the needs of enterprises 8.08 Student mobility inbound Foreign tertiary-level students per 1000 inhabitants 6.08	Labor force growth Percentage change 1.95 % Skilled labor is readily available 7.19 Survey [010] Finance skills are readily available 7.37 Survey [010] International experience of senior managers is generally significant 6.30 Survey [010] Competent senior managers are readily available 6.78 Survey [010] Primary and secondary education meets the needs of a competitive economy 7.78 Survey [010] Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences 22.38 % University education meets the needs of a competitive economy 7.86 Survey [010] Management education meets the needs of the business community 7.84 Survey [010] Language skills are meeting the needs of enterprises 8.08 Survey [010] Student mobility inbound Foreign tertiary-level students per 1000 inhabitants 6.08 number

CHILE

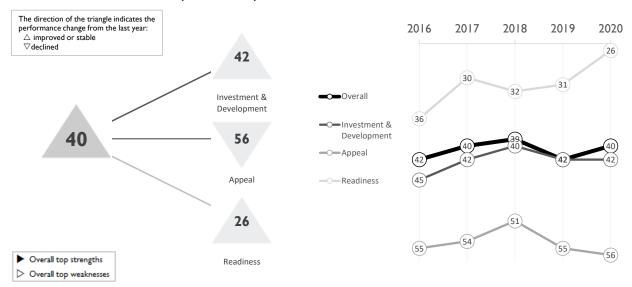


	Investment & Development		Value	!	2020 Rank
▶	Total public expenditure on education	Percentage of GDP	5.4	%	18
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	3,070	US\$	43
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	19.41	ratio	50
\triangleright	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	20.44	ratio	55
	Apprenticeships	are sufficiently implemented	4.61	Survey [010]	46
	Employee training	is a high priority in companies	5.19	Survey [010]	47
	Female labor force	Percentage of total labor force	42.07	%	50
	Health infrastructure	meets the needs of society	4.60	Survey [010]	46

Appeal		Value		2020 Rank
Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	80.60	index	32
Attracting and retaining talents	is a priority in companies	6.82	Survey [010]	30
Worker motivation	in companies is high	5.41	Survey [010]	47
▶ Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	6.87	Survey [010]	9
Quality of life	is high	6.26	Survey [010]	40
Foreign highly-skilled personnel	are attracted to your country's business environment	7.77	Survey [010]	8
Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	23,844	US\$	29
Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	195,050	US\$	22
Effective personal income tax rate	Percentage of an income equal to GDP per capita	16.97	%	32
Justice	is fairly administered	5.57	Survey [010]	35
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	22.14	micrograms	51

Readiness		Value	!	2020 Rank
Labor force growth	Percentage change	1.36	%	19
Skilled labor	is readily available	5.10	Survey [010]	49
Finance skills	are readily available	6.50	Survey [010]	29
International experience	of senior managers is generally significant	6.23	Survey [010]	19
Competent senior managers	are readily available	6.32	Survey [010]	18
Primary and secondary education	meets the needs of a competitive economy	3.68	Survey [010]	57
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	20.95	%	46
University education	meets the needs of a competitive economy	5.71	Survey [010]	42
Management education	meets the needs of the business community	6.99	Survey [010]	23
Language skills	are meeting the needs of enterprises	3.30	Survey [010]	61
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	0.30	number	54
Educational assessment - PISA	PISA survey of 15-year olds	438	Average	42
	Labor force growth Skilled labor Finance skills International experience Competent senior managers Primary and secondary education Graduates in Sciences University education Management education Language skills Student mobility inbound	Labor force growth Skilled labor is readily available Finance skills are readily available International experience of senior managers is generally significant Competent senior managers are readily available Primary and secondary education Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences University education meets the needs of a competitive economy Management education meets the needs of the business community Language skills are meeting the needs of enterprises Student mobility inbound Foreign tertiary-level students per 1000 inhabitants	Labor force growth Percentage change 1.36 Skilled labor is readily available 5.10 Finance skills are readily available 6.50 International experience of senior managers is generally significant 6.23 Competent senior managers are readily available 6.32 Primary and secondary education meets the needs of a competitive economy 3.68 Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences 20.95 University education meets the needs of a competitive economy 5.71 Management education meets the needs of the business community 6.99 Language skills are meeting the needs of enterprises 3.30 Student mobility inbound Foreign tertiary-level students per 1000 inhabitants 0.30	Labor force growth Percentage change 1.36 % Skilled labor is readily available 5.10 Survey [0.10] Finance skills are readily available 6.50 Survey [0.10] International experience of senior managers is generally significant 6.23 Survey [0.10] Competent senior managers are readily available 6.32 Survey [0.10] Primary and secondary education meets the needs of a competitive economy 3.68 Survey [0.10] Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences 20.95 % University education meets the needs of a competitive economy 5.71 Survey [0.10] Management education meets the needs of the business community 6.99 Survey [0.10] Language skills are meeting the needs of enterprises 3.30 Survey [0.10] Student mobility inbound Foreign tertiary-level students per 1000 inhabitants 0.30 number

CHINA

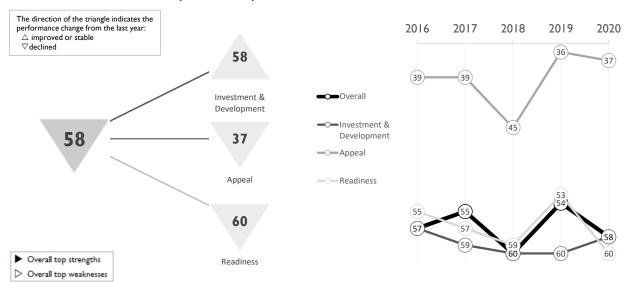


	Investment & Development		Value	. 1	2020 Rank
\triangleright	Total public expenditure on education	Percentage of GDP	3.5	%	49
\triangleright	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	1,755	US\$	50
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	16.43	ratio	38
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	13.26	ratio	44
	Apprenticeships	are sufficiently implemented	5.51	Survey [010]	27
▶	Employee training	is a high priority in companies	6.64	Survey [010]	19
	Female labor force	Percentage of total labor force	-	%	-
	Health infrastructure	meets the needs of society	6.43	Survey [010]	31

Appeal		Value		2020 Rank
Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	108.60	index	55
Attracting and retaining talents	is a priority in companies	6.86	Survey [010]	29
► Worker motivation	in companies is high	6.97	Survey [010]	16
Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	4.94	Survey [010]	33
Quality of life	is high	6.54	Survey [010]	36
Foreign highly-skilled personnel	are attracted to your country's business environment	5.45	Survey [010]	32
Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	11,684	US\$	48
Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	155,675	US\$	34
Effective personal income tax rate	Percentage of an income equal to GDP per capita	20.14	%	38
Justice	is fairly administered	5.83	Survey [010]	32
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	53.45	micrograms	59

	Readiness		Value	!	2020 Rank
	Labor force growth	Percentage change	-0.05	%	48
▶	Skilled labor	is readily available	6.60	Survey [010]	14
	Finance skills	are readily available	6.46	Survey [010]	31
	International experience	of senior managers is generally significant	5.22	Survey [010]	44
	Competent senior managers	are readily available	5.76	Survey [010]	35
▶	Primary and secondary education	meets the needs of a competitive economy	7.56	Survey [010]	18
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	-	%	-
	University education	meets the needs of a competitive economy	7.05	Survey [010]	24
	Management education	meets the needs of the business community	6.72	Survey [010]	29
	Language skills	are meeting the needs of enterprises	5.85	Survey [010]	42
\triangleright	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	0.13	number	55
•	Educational assessment - PISA	PISA survey of 15-year olds	579	Average	I

COLOMBIA

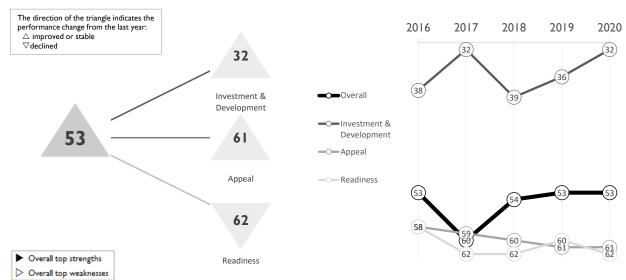


	Investment & Development		Value		2020 Rank
	Total public expenditure on education	Percentage of GDP	4.5	%	32
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	1,119	US\$	55
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	23.30	ratio	56
\triangleright	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	25.91	ratio	58
▶	Apprenticeships	are sufficiently implemented	6.03	Survey [010]	П
	Employee training	is a high priority in companies	6.00	Survey [010]	34
	Female labor force	Percentage of total labor force	42.83	%	46
	Health infrastructure	meets the needs of society	3.19	Survey [010]	55

	Appeal		Value	!	2020 Rank
▶	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	63.70	index	6
	Attracting and retaining talents	is a priority in companies	5.69	Survey [010]	55
	Worker motivation	in companies is high	5.40	Survey [010]	48
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	4.88	Survey [010]	35
\triangleright	Quality of life	is high	4.42	Survey [010]	58
	Foreign highly-skilled personnel	are attracted to your country's business environment	5.43	Survey [010]	33
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	12,241	US\$	47
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	140,782	US\$	40
▶	Effective personal income tax rate	Percentage of an income equal to GDP per capita	8.29	%	12
\triangleright	Justice	is fairly administered	2.40	Survey [010]	59
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	16.92	micrograms	37

Readiness		Value	2020 Rank
Labor force growth	Percentage change	-0.79 %	57
Skilled labor	is readily available	5.24 Survey [0	10] 46
Finance skills	are readily available	5.58 Survey [0	10] 49
International experience	of senior managers is generally significant	4.92 Survey [0	10] 51
Competent senior managers	are readily available	4.62 Survey [0	10] 53
Primary and secondary education	meets the needs of a competitive economy	4.22 Survey [0	10] 51
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	23.13 %	34
University education	meets the needs of a competitive economy	5.21 Survey [0	10] 49
Management education	meets the needs of the business community	5.36 Survey [0	10] 50
Language skills	are meeting the needs of enterprises	3.75 Survey [0	10] 59
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	0.10 number	58
Educational assessment - PISA	PISA survey of I5-year olds	406 Average	51

CROATIA

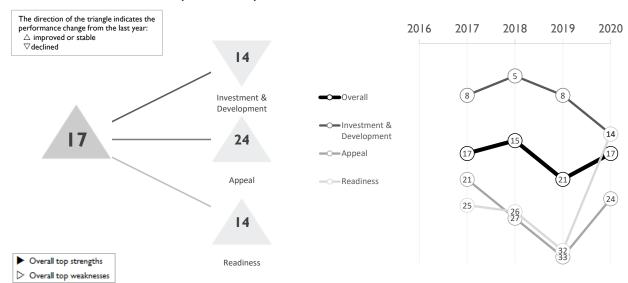


	Investment & Development		Value	2	2020 Rank
▶	Total public expenditure on education	Percentage of GDP	5.3	%	19
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	4,183	US\$	38
▶	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	10.90	ratio	7
▶	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	8.76	ratio	6
	Apprenticeships	are sufficiently implemented	3.13	Survey [010]	61
\triangleright	Employee training	is a high priority in companies	3.90	Survey [010]	63
	Female labor force	Percentage of total labor force	46.19	%	30
	Health infrastructure	meets the needs of society	4.83	Survey [010]	42

	Appeal		Value	!	2020 Rank
•	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	69.70	index	15
\triangleright	Attracting and retaining talents	is a priority in companies	4.84	Survey [010]	63
	Worker motivation	in companies is high	3.94	Survey [010]	62
\triangleright	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	1.87	Survey [010]	63
	Quality of life	is high	5.65	Survey [010]	44
	Foreign highly-skilled personnel	are attracted to your country's business environment	1.94	Survey [010]	62
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	14,350	US\$	40
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	91,668	US\$	51
	Effective personal income tax rate	Percentage of an income equal to GDP per capita	19.45	%	35
	Justice	is fairly administered	2.43	Survey [010]	58
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	17.72	micrograms	39

	Readiness		Value	1	2020 Rank
	Labor force growth	Percentage change	-0.50	%	53
	Skilled labor	is readily available	3.08	Survey [010]	62
\triangleright	Finance skills	are readily available	3.32	Survey [010]	63
	International experience	of senior managers is generally significant	3.00	Survey [010]	62
\triangleright	Competent senior managers	are readily available	2.65	Survey [010]	63
	Primary and secondary education	meets the needs of a competitive economy	4.06	Survey [010]	54
▶	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	27.01	%	20
	University education	meets the needs of a competitive economy	4.19	Survey [010]	59
	Management education	meets the needs of the business community	3.97	Survey [010]	62
	Language skills	are meeting the needs of enterprises	6.19	Survey [010]	34
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	1.23	number	48
	Educational assessment - PISA	PISA survey of 15-year olds	472	Average	35

CYPRUS

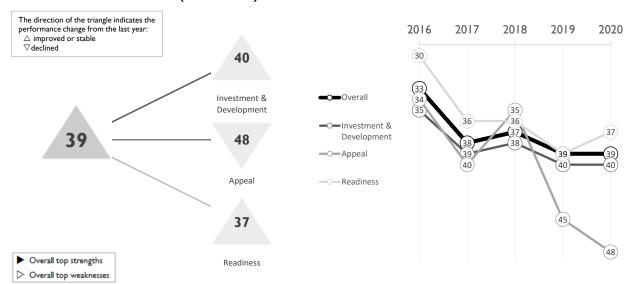


	Investment & Development		Value	!	2020 Rank
	Total public expenditure on education	Percentage of GDP	5.2	%	21
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	7,119	US\$	25
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	12.04	ratio	15
▶	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	8.31	ratio	4
	Apprenticeships	are sufficiently implemented	5.00	Survey [010]	33
	Employee training	is a high priority in companies	5.92	Survey [010]	36
	Female labor force	Percentage of total labor force	47.36	%	16
	Health infrastructure	meets the needs of society	6.04	Survey [010]	34

	Appeal		Value	!	2020 Rank
Þ	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	66.40	index	10
	Attracting and retaining talents	is a priority in companies	6.54	Survey [010]] 40
D	Worker motivation	in companies is high	5.46	Survey [010]] 45
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	5.58	Survey [010]] 27
	Quality of life	is high	7.81	Survey [010]] 25
	Foreign highly-skilled personnel	are attracted to your country's business environment	5.65	Survey [010]] 30
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	27,374	US\$	26
D	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	88,845	US\$	52
Þ	Effective personal income tax rate	Percentage of an income equal to GDP per capita	7.31	%	10
	Justice	is fairly administered	5.76	Survey [010]] 33
\triangleright	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	17.75	micrograms	40

	Readiness		Value		2020 Rank
▶	Labor force growth	Percentage change	2.52	%	6
	Skilled labor	is readily available	5.77	Survey [010]	35
	Finance skills	are readily available	7.46	Survey [010]	12
	International experience	of senior managers is generally significant	6.42	Survey [010]	13
	Competent senior managers	are readily available	6.31	Survey [010]	19
	Primary and secondary education	meets the needs of a competitive economy	7.06	Survey [010]	22
\triangleright	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	15.15	%	60
	University education	meets the needs of a competitive economy	7.54	Survey [010]	19
	Management education	meets the needs of the business community	7.23	Survey [010]	18
	Language skills	are meeting the needs of enterprises	8.19	Survey [010]	13
▶	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	12.96	number	2
\triangleright	Educational assessment - PISA	PISA survey of 15-year olds	438	Average	41

CZECH REPUBLIC

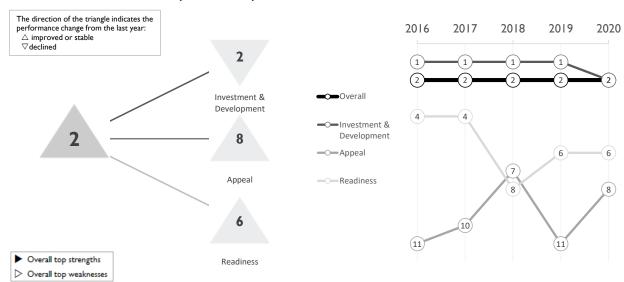


Investment & Development		Value	2	.020 Rank
Total public expenditure on education	Percentage of GDP	4.6	%	29
Total public exp. on education per student	Spending per enrolled pupil/student, all levels	5,464	US\$	32
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	19.20	ratio	48
Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	11.90	ratio	29
Apprenticeships	are sufficiently implemented	4.15	Survey [010]	55
Employee training	is a high priority in companies	5.96	Survey [010]	35
Female labor force	Percentage of total labor force	44.45	%	42
Health infrastructure	meets the needs of society	6.45	Survey [010]	30
	Total public expenditure on education Total public exp. on education per student Pupil-teacher ratio (primary education) Pupil-teacher ratio (secondary education) Apprenticeships Employee training Female labor force	Total public expenditure on education Percentage of GDP Total public exp. on education per student Spending per enrolled pupil/student, all levels Pupil-teacher ratio (primary education) Ratio of students to teaching staff Pupil-teacher ratio (secondary education) Ratio of students to teaching staff Apprenticeships are sufficiently implemented Employee training is a high priority in companies Female labor force Percentage of total labor force	Total public expenditure on educationPercentage of GDP4.6Total public exp. on education per studentSpending per enrolled pupil/student, all levels5,464Pupil-teacher ratio (primary education)Ratio of students to teaching staff19.20Pupil-teacher ratio (secondary education)Ratio of students to teaching staff11.90Apprenticeshipsare sufficiently implemented4.15Employee trainingis a high priority in companies5.96Female labor forcePercentage of total labor force44.45	Total public expenditure on education Percentage of GDP 4.6 % Total public exp. on education per student Spending per enrolled pupil/student, all levels 5,464 US\$ Pupil-teacher ratio (primary education) Ratio of students to teaching staff 11.90 ratio Pupil-teacher ratio (secondary education) Ratio of students to teaching staff 11.90 ratio Apprenticeships are sufficiently implemented 4.15 Survey [010] Employee training is a high priority in companies 5.96 Survey [010] Female labor force Percentage of total labor force 44.45 %

Appeal		Value	2	2020 Rank
Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	78.10	index	28
Attracting and retaining talents	is a priority in companies	6.00	Survey [010]	j 51
Worker motivation	in companies is high	5.77	Survey [010]	38
Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	5.25	Survey [010]	29
Quality of life	is high	7.21	Survey [010]	30
Foreign highly-skilled personnel	are attracted to your country's business environment	4.72	Survey [010]	42
Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	15,563	US\$	37
Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	110,667	US\$	44
Effective personal income tax rate	Percentage of an income equal to GDP per capita	22.04	%	42
Justice	is fairly administered	4.94	Survey [010]	42
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	16.21	micrograms	32

	Readiness		Value	!	2020 Rank
	Labor force growth	Percentage change	0.11	%	46
\triangleright	Skilled labor	is readily available	4.75	Survey [010]	52
	Finance skills	are readily available	5.58	Survey [010]	48
	International experience	of senior managers is generally significant	5.77	Survey [010]	33
\triangleright	Competent senior managers	are readily available	4.45	Survey [010]	54
	Primary and secondary education	meets the needs of a competitive economy	5.92	Survey [010]	37
▶	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	26.12	%	25
	University education	meets the needs of a competitive economy	5.85	Survey [010]	40
	Management education	meets the needs of the business community	5.89	Survey [010]	46
	Language skills	are meeting the needs of enterprises	6.04	Survey [010]	39
▶	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	4.21	number	19
▶	Educational assessment - PISA	PISA survey of 15-year olds	495	Average	23

DENMARK

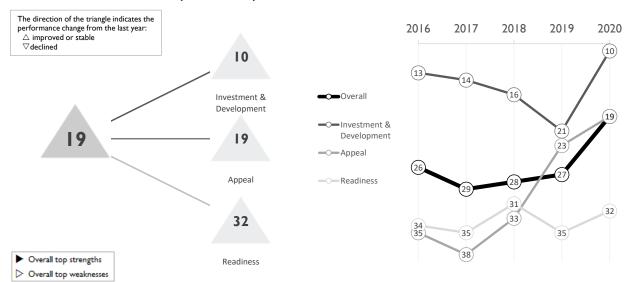


Investment & Development		Value	e :	2020 Rank
Total public expenditure on education	Percentage of GDP	6.4	%	6
Total public exp. on education per student	Spending per enrolled pupil/student, all levels	15,346	US\$	6
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	11.91	ratio	13
Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	11.31	ratio	25
Apprenticeships	are sufficiently implemented	6.90	Survey [010]	4
Employee training	is a high priority in companies	7.80	Survey [010]	I
Female labor force	Percentage of total labor force	47.63	%	13
Health infrastructure	meets the needs of society	8.88	Survey [010]	3

Appeal		Value	!	2020 Rank
Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	97.30	index	53
Attracting and retaining talents	is a priority in companies	8.32	Survey [010]	I
► Worker motivation	in companies is high	8.22	Survey [010]	I
► Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	8.09	Survey [010]	I
Quality of life	is high	9.78	Survey [010]	2
Foreign highly-skilled personnel	are attracted to your country's business environment	6.58	Survey [010]	19
Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	58,896	US\$	5
Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	227,770	US\$	16
Effective personal income tax rate	Percentage of an income equal to GDP per capita	29.43	%	61
Justice	is fairly administered	9.15	Survey [010]	I
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	10.35	micrograms	14

	Readiness		Value	e	2020 Rank
	Labor force growth	Percentage change	1.31	%	21
	Skilled labor	is readily available	7.14	Survey [010]] 6
	Finance skills	are readily available	8.10	Survey [010]] 2
	International experience	of senior managers is generally significant	6.69	Survey [010]] 10
	Competent senior managers	are readily available	7.29	Survey [010]] 4
	Primary and secondary education	meets the needs of a competitive economy	8.71	Survey [010]] 4
\triangleright	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	22.20	%	39
	University education	meets the needs of a competitive economy	8.83	Survey [010]] 2
	Management education	meets the needs of the business community	8.31	Survey [010]] 2
▶	Language skills	are meeting the needs of enterprises	9.19	Survey [010]] [
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	5.76	number	- 11
	Educational assessment - PISA	PISA survey of 15-year olds	501	Average	17

ESTONIA

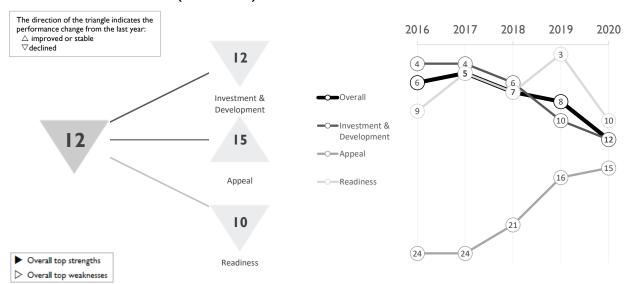


Investment & Development		Value	. 1	2020 Rank
Total public expenditure on education	Percentage of GDP	6.2	%	8
Total public exp. on education per student	Spending per enrolled pupil/student, all levels	6,850	US\$	26
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	13.15	ratio	21
Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	12.66	ratio	35
Apprenticeships	are sufficiently implemented	5.63	Survey [010]	20
Employee training	is a high priority in companies	7.32	Survey [010]	5
Female labor force	Percentage of total labor force	48.62	%	6
Health infrastructure	meets the needs of society	6.50	Survey [010]	29

	Appeal		Value	!	2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	69.40	index	14
▶	Attracting and retaining talents	is a priority in companies	8.13	Survey [010]	3
	Worker motivation	in companies is high	6.33	Survey [010]	20
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	4.53	Survey [010]	40
	Quality of life	is high	6.88	Survey [010]	34
	Foreign highly-skilled personnel	are attracted to your country's business environment	5.67	Survey [010]	29
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	15,532	US\$	38
\triangleright	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	101,547	US\$	47
	Effective personal income tax rate	Percentage of an income equal to GDP per capita	12.95	%	22
	Justice	is fairly administered	7.23	Survey [010]	21
▶	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	6.84	micrograms	6

	Readiness		Value		2020 Rank
\triangleright	Labor force growth	Percentage change	0.14	%	45
\triangleright	Skilled labor	is readily available	3.27	Survey [010]	58
\triangleright	Finance skills	are readily available	5.10	Survey [010]	55
	International experience	of senior managers is generally significant	5.17	Survey [010]	45
\triangleright	Competent senior managers	are readily available	3.80	Survey [010]	57
	Primary and secondary education	meets the needs of a competitive economy	7.87	Survey [010]	12
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	27.73	%	18
	University education	meets the needs of a competitive economy	7.43	Survey [010]	20
	Management education	meets the needs of the business community	6.95	Survey [010]	24
	Language skills	are meeting the needs of enterprises	7.53	Survey [010]	21
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	3.32	number	25
▶	Educational assessment - PISA	PISA survey of 15-year olds	526	Average	4

FINLAND

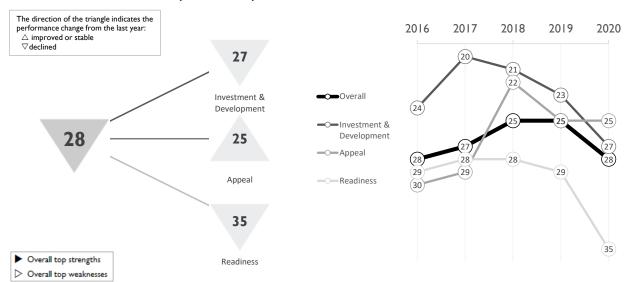


Investment & Development		Value	2	2020 Rank
Total public expenditure on education	Percentage of GDP	5.5	%	15
Total public exp. on education per student	Spending per enrolled pupil/student, all levels	10,535	US\$	14
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	13.59	ratio	24
Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	13.77	ratio	45
Apprenticeships	are sufficiently implemented	4.93	Survey [010]	37
Employee training	is a high priority in companies	7.16	Survey [010]	8
Female labor force	Percentage of total labor force	48.00	%	9
Health infrastructure	meets the needs of society	8.52	Survey [010]	7
	Total public expenditure on education Total public exp. on education per student Pupil-teacher ratio (primary education) Pupil-teacher ratio (secondary education) Apprenticeships Employee training Female labor force	Total public expenditure on education Percentage of GDP Total public exp. on education per student Spending per enrolled pupil/student, all levels Pupil-teacher ratio (primary education) Ratio of students to teaching staff Pupil-teacher ratio (secondary education) Ratio of students to teaching staff Apprenticeships are sufficiently implemented Employee training is a high priority in companies Female labor force Percentage of total labor force	Total public expenditure on education Percentage of GDP 5.5 Total public exp. on education per student Spending per enrolled pupil/student, all levels 10,535 Pupil-teacher ratio (primary education) Ratio of students to teaching staff 13.59 Pupil-teacher ratio (secondary education) Ratio of students to teaching staff 13.77 Apprenticeships are sufficiently implemented 4.93 Employee training is a high priority in companies 7.16 Female labor force Percentage of total labor force 48.00	Total public expenditure on education Percentage of GDP 5.5 % Total public exp. on education per student Spending per enrolled pupil/student, all levels 10,535 US\$ Pupil-teacher ratio (primary education) Ratio of students to teaching staff 13.59 ratio Pupil-teacher ratio (secondary education) Ratio of students to teaching staff 13.77 ratio Apprenticeships are sufficiently implemented 4.93 Survey [010] Employee training is a high priority in companies 7.16 Survey [010] Female labor force Percentage of total labor force 48.00 %

	Appeal		Value	!	2020 Rank
\triangleright	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	83.50	index	38
	Attracting and retaining talents	is a priority in companies	7.76	Survey [010]	13
	Worker motivation	in companies is high	7.19	Survey [010]	9
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	6.00	Survey [010]	20
	Quality of life	is high	9.38	Survey [010]	6
\triangleright	Foreign highly-skilled personnel	are attracted to your country's business environment	4.95	Survey [010]	39
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	40,528	US\$	16
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	186,568	US\$	24
\triangleright	Effective personal income tax rate	Percentage of an income equal to GDP per capita	27.74	%	60
•	Justice	is fairly administered	9.08	Survey [010]	2
•	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	5.91	micrograms	I

Readiness		Value	2	2020 Rank
Labor force growth	Percentage change	0.29	%	44
Skilled labor	is readily available	6.45	Survey [010]	18
Finance skills	are readily available	7.48	Survey [010]	
International experience	of senior managers is generally significant	6.31	Survey [010]	16
Competent senior managers	are readily available	6.36	Survey [010]	17
Primary and secondary education	meets the needs of a competitive economy	9.31	Survey [010]	ı l
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	28.12	%	14
University education	meets the needs of a competitive economy	8.76	Survey [010]	1 4
Management education	meets the needs of the business community	8.02	Survey [010]	6
Language skills	are meeting the needs of enterprises	8.43	Survey [010]	9
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	4.30	number	18
Educational assessment - PISA	PISA survey of 15-year olds	516	Average	9
	Labor force growth Skilled labor Finance skills International experience Competent senior managers Primary and secondary education Graduates in Sciences University education Management education Language skills Student mobility inbound	Labor force growth Percentage change Skilled labor is readily available Finance skills are readily available International experience of senior managers is generally significant Competent senior managers are readily available Primary and secondary education meets the needs of a competitive economy Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences University education meets the needs of a competitive economy Management education meets the needs of the business community Language skills are meeting the needs of enterprises Student mobility inbound Foreign tertiary-level students per 1000 inhabitants	Labor force growth Percentage change 0.29 Skilled labor is readily available 6.45 Finance skills are readily available 7.48 International experience of senior managers is generally significant 6.31 Competent senior managers are readily available 6.36 Primary and secondary education meets the needs of a competitive economy 9.31 Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences 28.12 University education meets the needs of a competitive economy 8.76 Management education meets the needs of the business community 8.02 Language skills are meeting the needs of enterprises 8.43 Student mobility inbound Foreign tertiary-level students per 1000 inhabitants	Labor force growth Percentage change 0.29 % Skilled labor is readily available 6.45 Survey [0.10] Finance skills are readily available 7.48 Survey [0.10] International experience of senior managers is generally significant 6.31 Survey [0.10] Competent senior managers are readily available 6.36 Survey [0.10] Primary and secondary education meets the needs of a competitive economy 9.31 Survey [0.10] Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences 28.12 % University education meets the needs of a competitive economy 8.76 Survey [0.10] Management education meets the needs of the business community 8.02 Survey [0.10] Language skills are meeting the needs of enterprises 8.43 Survey [0.10] Student mobility inbound Foreign tertiary-level students per 1000 inhabitants 4.30 number

FRANCE

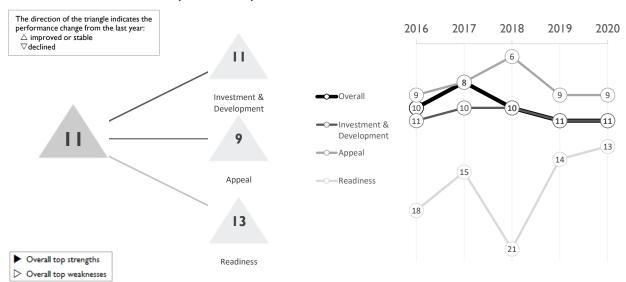


	Investment & Development		Value	2	2020 Rank
	Total public expenditure on education	Percentage of GDP	5.1	%	22
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	9,124	US\$	19
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	19.15	ratio	47
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	13.01	ratio	42
\triangleright	Apprenticeships	are sufficiently implemented	4.40	Survey [010]	52
	Employee training	is a high priority in companies	5.17	Survey [010]	50
▶	Female labor force	Percentage of total labor force	48.48	%	8
	Health infrastructure	meets the needs of society	7.52	Survey [010]	20

	Appeal		Value	!	2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	88.50	index	44
	Attracting and retaining talents	is a priority in companies	6.75	Survey [010]	33
\triangleright	Worker motivation	in companies is high	5.07	Survey [010]	54
Þ	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	6.12	Survey [010]	17
	Quality of life	is high	8.10	Survey [010]	21
	Foreign highly-skilled personnel	are attracted to your country's business environment	5.72	Survey [010]	28
•	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	37,845	US\$	19
•	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	269,516	US\$	8
	Effective personal income tax rate	Percentage of an income equal to GDP per capita	23.27	%	48
	Justice	is fairly administered	6.35	Survey [010]	24
Þ	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	11.96	micrograms	19

	Readiness		Value	!	2020 Rank
\triangleright	Labor force growth	Percentage change	-0.21	%	51
	Skilled labor	is readily available	5.95	Survey [010]] 32
	Finance skills	are readily available	6.82	Survey [010]] 23
\triangleright	International experience	of senior managers is generally significant	4.67	Survey [010]	54
	Competent senior managers	are readily available	5.81	Survey [010]] 34
	Primary and secondary education	meets the needs of a competitive economy	6.92	Survey [010]] 24
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	25.39	%	27
	University education	meets the needs of a competitive economy	6.87	Survey [010]] 28
	Management education	meets the needs of the business community	7.12	Survey [010]] 20
\triangleright	Language skills	are meeting the needs of enterprises	4.12	Survey [010]	55
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	3.43	number	24
	Educational assessment - PISA	PISA survey of 15-year olds	494	Average	25

GERMANY

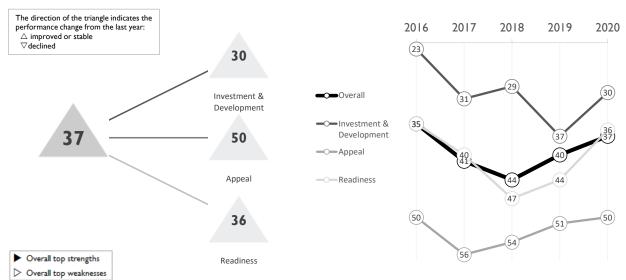


Investment & Development		Value	. 1	2020 Rank
Total public expenditure on education	Percentage of GDP	4.2	%	40
Total public exp. on education per student	Spending per enrolled pupil/student, all levels	10,166	US\$	16
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	15.27	ratio	34
Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	12.89	ratio	38
Apprenticeships	are sufficiently implemented	8.45	Survey [010]	2
Employee training	is a high priority in companies	7.61	Survey [010]	3
Female labor force	Percentage of total labor force	46.45	%	27
Health infrastructure	meets the needs of society	8.44	Survey [010]	8
	Total public expenditure on education Total public exp. on education per student Pupil-teacher ratio (primary education) Pupil-teacher ratio (secondary education) Apprenticeships Employee training	Total public expenditure on education Percentage of GDP Total public exp. on education per student Spending per enrolled pupil/student, all levels Pupil-teacher ratio (primary education) Ratio of students to teaching staff Pupil-teacher ratio (secondary education) Ratio of students to teaching staff Apprenticeships are sufficiently implemented Employee training is a high priority in companies Female labor force Percentage of total labor force	Total public expenditure on educationPercentage of GDP4.2Total public exp. on education per studentSpending per enrolled pupil/student, all levels10,166Pupil-teacher ratio (primary education)Ratio of students to teaching staff15.27Pupil-teacher ratio (secondary education)Ratio of students to teaching staff12.89Apprenticeshipsare sufficiently implemented8.45Employee trainingis a high priority in companies7.61Female labor forcePercentage of total labor force46.45	Total public expenditure on educationPercentage of GDP4.2%Total public exp. on education per studentSpending per enrolled pupil/student, all levels10,166US\$Pupil-teacher ratio (primary education)Ratio of students to teaching staff15.27ratioPupil-teacher ratio (secondary education)Ratio of students to teaching staff12.89ratioApprenticeshipsare sufficiently implemented8.45Survey [0.10]Employee trainingis a high priority in companies7.61Survey [0.10]Female labor forcePercentage of total labor force46.45%

	Appeal		Value	9	2020 Rank
\triangleright	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	82.70	index	36
	Attracting and retaining talents	is a priority in companies	7.47	Survey [010]	22
	Worker motivation	in companies is high	7.10	Survey [010]	13
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	6.05	Survey [010]	19
	Quality of life	is high	9.00	Survey [010]	9
	Foreign highly-skilled personnel	are attracted to your country's business environment	6.32	Survey [010]	20
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	46,639	US\$	9
•	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	318,208	US\$	3
\triangleright	Effective personal income tax rate	Percentage of an income equal to GDP per capita	25.85	%	55
	Justice	is fairly administered	8.23	Survey [010]	12
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	12.09	micrograms	21

	Readiness		Value	2020 Rank
	Labor force growth	Percentage change	0.89 %	31
\triangleright	Skilled labor	is readily available	5.36 Survey [0	10] 44
	Finance skills	are readily available	6.84 Survey [0	10] 22
	International experience	of senior managers is generally significant	6.39 Survey [0	10] 14
	Competent senior managers	are readily available	5.69 Survey [0	10] 37
	Primary and secondary education	meets the needs of a competitive economy	7.86 Survey [0	10] 13
▶	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	35.31 %	3
	University education	meets the needs of a competitive economy	7.96 Survey [0	10] 12
	Management education	meets the needs of the business community	7.07 Survey [0	10] 21
	Language skills	are meeting the needs of enterprises	7.02 Survey [0	10] 26
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	3.76 number	23
	Educational assessment - PISA	PISA survey of 15-year olds	500 Average	18

GREECE

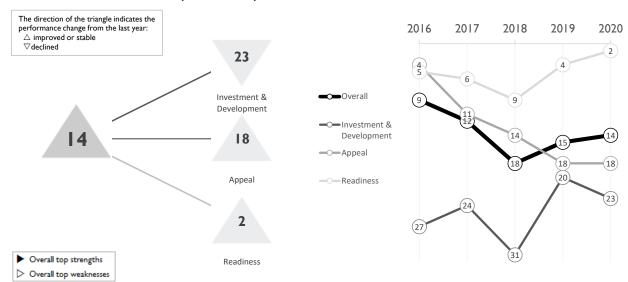


	Investment & Development		Value		2020 Rank
	Total public expenditure on education	Percentage of GDP	3.9	%	44
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	3,668	US\$	41
•	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	9.22	ratio	2
•	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	8.63	ratio	5
	Apprenticeships	are sufficiently implemented	4.77	Survey [010]	41
\triangleright	Employee training	is a high priority in companies	4.99	Survey [010]	56
	Female labor force	Percentage of total labor force	44.30	%	44
	Health infrastructure	meets the needs of society	5.28	Survey [010]	40

Appeal		Value		2020 Rank
Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	72.80	index	22
Attracting and retaining talents	is a priority in companies	5.88	Survey [010]	54
	in companies is high	5.16	Survey [010]	50
▶ Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	2.73	Survey [010]	57
Quality of life	is high	6.59	Survey [010]	35
Foreign highly-skilled personnel	are attracted to your country's business environment	2.95	Survey [010]	58
Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	20,159	US\$	33
Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	187,489	US\$	23
Effective personal income tax rate	Percentage of an income equal to GDP per capita	22.15	%	44
Justice	is fairly administered	4.67	Survey [010]	44
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	16.48	micrograms	34

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HONG KONG SAR

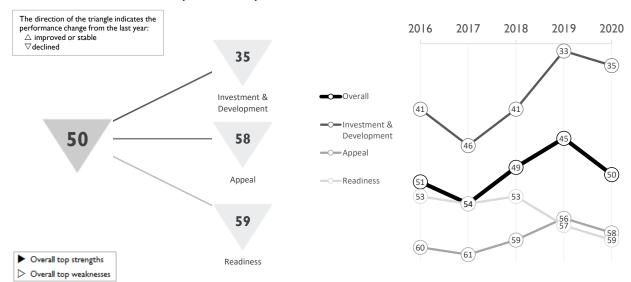


	Investment & Development		Value	e :	2020 Rank
\triangleright	Total public expenditure on education	Percentage of GDP	3.1	%	53
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	9,291	US\$	18
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	13.35	ratio	23
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	11.22	ratio	21
	Apprenticeships	are sufficiently implemented	5.52	Survey [010]	26
	Employee training	is a high priority in companies	6.19	Survey [010]	30
▶	Female labor force	Percentage of total labor force	50.09	%	2
	Health infrastructure	meets the needs of society	7.67	Survey [010]	16

Appeal		Value	!	2020 Rank
Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	125.20	index	60
Attracting and retaining talents	is a priority in companies	7.71	Survey [010]	15
Worker motivation	in companies is high	7.16	Survey [010]	П
Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	5.87	Survey [010]	24
Quality of life	is high	7.13	Survey [010]	32
Foreign highly-skilled personnel	are attracted to your country's business environment	7.02	Survey [010]	14
Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	32,983	US\$	22
Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	283,328	US\$	6
Effective personal income tax rate	Percentage of an income equal to GDP per capita	4.71	%	7
Justice	is fairly administered	8.36	Survey [010]	8
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	-	micrograms	-

	Readiness		Value		2020 Rank
\triangleright	Labor force growth	Percentage change	-0.32	%	52
	Skilled labor	is readily available	6.76	Survey [010]	9
▶	Finance skills	are readily available	8.41	Survey [010]	1
	International experience	of senior managers is generally significant	7.75	Survey [010]	4
▶	Competent senior managers	are readily available	7.31	Survey [010]	3
	Primary and secondary education	meets the needs of a competitive economy	7.56	Survey [010]	17
▶	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	40.59	%	2
	University education	meets the needs of a competitive economy	7.70	Survey [010]	15
	Management education	meets the needs of the business community	7.70	Survey [010]	П
	Language skills	are meeting the needs of enterprises	7.13	Survey [010]	25
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	5.01	number	14
▶	Educational assessment - PISA	PISA survey of 15-year olds	531	Average	3

HUNGARY

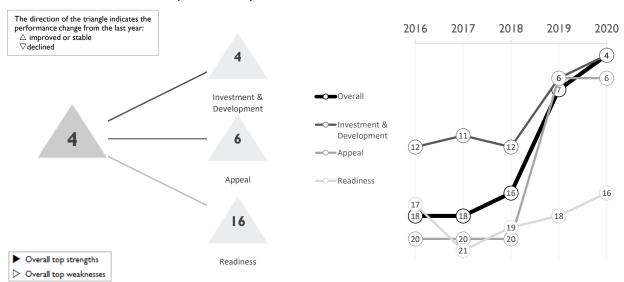


Investment & Development		Value	20	020 Rank
► Total public expenditure on education	Percentage of GDP	5.1	%	23
Total public exp. on education per student	Spending per enrolled pupil/student, all levels	4,361	US\$	36
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	10.18	ratio	5
► Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	11.42	ratio	26
Apprenticeships	are sufficiently implemented	3.50	Survey [010]	58
Employee training	is a high priority in companies	5.13	Survey [010]	52
Female labor force	Percentage of total labor force	45.12	%	38
Health infrastructure	meets the needs of society	2.91	Survey [010]	58

	Appeal		Value	<u>:</u>	2020 Rank
•	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	67.00	index	- 11
	Attracting and retaining talents	is a priority in companies	5.89	Survey [010]	53
	Worker motivation	in companies is high	4.59	Survey [010]	58
D	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	2.26	Survey [010]	60
	Quality of life	is high	4.71	Survey [010]	54
	Foreign highly-skilled personnel	are attracted to your country's business environment	3.89	Survey [010]	50
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	12,322	US\$	46
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	85,503	US\$	53
D	Effective personal income tax rate	Percentage of an income equal to GDP per capita	27.56	%	59
	Justice	is fairly administered	4.49	Survey [010]	45
•	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	16.08	micrograms	30

	Readiness		Value	!	2020 Rank
	Labor force growth	Percentage change	-1.01	%	58
\triangleright	Skilled labor	is readily available	3.10	Survey [010]	61
	Finance skills	are readily available	4.93	Survey [010]	57
	International experience	of senior managers is generally significant	5.01	Survey [010]	49
\triangleright	Competent senior managers	are readily available	2.75	Survey [010]	62
	Primary and secondary education	meets the needs of a competitive economy	4.26	Survey [010]	50
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	22.52	%	36
	University education	meets the needs of a competitive economy	4.97	Survey [010]	51
	Management education	meets the needs of the business community	4.65	Survey [010]	58
\triangleright	Language skills	are meeting the needs of enterprises	3.57	Survey [010]	60
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	3.31	number	26
	Educational assessment - PISA	PISA survey of 15-year olds	479	Average	32

ICELAND

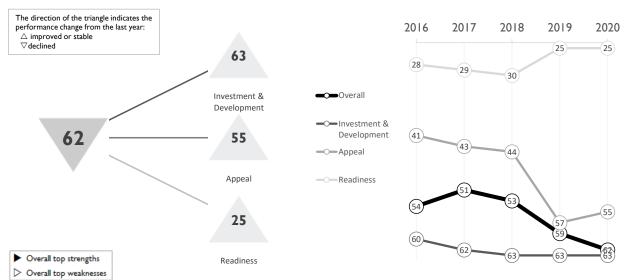


	Investment & Development		Value		2020 Rank
▶	Total public expenditure on education	Percentage of GDP	7.4	%	2
\blacktriangleright	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	19,007	US\$	3
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	11.02	ratio	8
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	10.13	ratio	15
	Apprenticeships	are sufficiently implemented	4.79	Survey [010]	40
	Employee training	is a high priority in companies	6.27	Survey [010]	27
	Female labor force	Percentage of total labor force	46.00	%	32
	Health infrastructure	meets the needs of society	7.64	Survey [010]	17

	Appeal		Value	!	2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	-	index	-
	Attracting and retaining talents	is a priority in companies	7.79	Survey [010]	12
	Worker motivation	in companies is high	7.21	Survey [010]	7
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	7.27	Survey [010]	6
	Quality of life	is high	9.61	Survey [010]	4
\triangleright	Foreign highly-skilled personnel	are attracted to your country's business environment	4.85	Survey [010]	41
▶	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	70,973	US\$	2
\triangleright	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	97,700	US\$	49
\triangleright	Effective personal income tax rate	Percentage of an income equal to GDP per capita	21.32	%	41
	Justice	is fairly administered	7.60	Survey [010]	19
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	6.78	micrograms	5

Readiness		Value		2020 Rank
Labor force growth	Percentage change	2.21	%	9
Skilled labor	is readily available	7.55	Survey [010]	1
Finance skills	are readily available	8.00	Survey [010]	4
International experience	of senior managers is generally significant	5.22	Survey [010]	43
Competent senior managers	are readily available	6.55	Survey [010]	14
Primary and secondary education	meets the needs of a competitive economy	7.97	Survey [010]	10
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	8.59	%	53
University education	meets the needs of a competitive economy	8.12	Survey [010]	8
Management education	meets the needs of the business community	8.06	Survey [010]	5
Language skills	are meeting the needs of enterprises	8.83	Survey [010]	3
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	4.10	number	21
Educational assessment - PISA	PISA survey of 15-year olds	48 I	Average	29
	Labor force growth Skilled labor Finance skills International experience Competent senior managers Primary and secondary education Graduates in Sciences University education Management education Language skills Student mobility inbound	Labor force growth Percentage change Skilled labor is readily available Finance skills are readily available International experience of senior managers is generally significant Competent senior managers are readily available Primary and secondary education meets the needs of a competitive economy Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences I University education meets the needs of a competitive economy Management education meets the needs of the business community Language skills are meeting the needs of enterprises Student mobility inbound Foreign tertiary-level students per 1000 inhabitants	Labor force growth Percentage change 2.21 Skilled labor is readily available 7.55 Finance skills are readily available 8.00 International experience of senior managers is generally significant 5.22 Competent senior managers are readily available 6.55 Primary and secondary education meets the needs of a competitive economy 7.97 Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences 18.59 University education meets the needs of a competitive economy 8.12 Management education meets the needs of the business community 8.06 Language skills are meeting the needs of enterprises 8.83 Student mobility inbound Foreign tertiary-level students per 1000 inhabitants 4.10	Labor force growth Percentage change 2.21 % Skilled labor is readily available 7.55 Survey [010] Finance skills are readily available 8.00 Survey [010] International experience of senior managers is generally significant 5.22 Survey [010] Competent senior managers are readily available 6.55 Survey [010] Primary and secondary education meets the needs of a competitive economy 7.97 Survey [010] Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences 18.59 % University education meets the needs of a competitive economy 8.12 Survey [010] Management education meets the needs of the business community 8.06 Survey [010] Language skills are meeting the needs of enterprises 8.83 Survey [010] Student mobility inbound Foreign tertiary-level students per 1000 inhabitants 4.10 number

INDIA

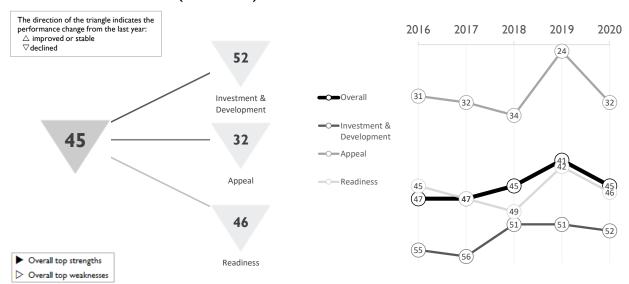


	Investment & Development		Value	2	2020 Rank
	Total public expenditure on education	Percentage of GDP	4.4	%	35
\triangleright	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	332	US\$	62
\triangleright	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	36.66	ratio	62
\triangleright	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	28.52	ratio	62
	Apprenticeships	are sufficiently implemented	4.99	Survey [010]	35
	Employee training	is a high priority in companies	5.46	Survey [010]	44
	Female labor force	Percentage of total labor force	-	%	-
	Health infrastructure	meets the needs of society	4.71	Survey [010]	45

Appeal		Value	!	2020 Rank
Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	82.90	index	37
Attracting and retaining talents	is a priority in companies	6.59	Survey [010]	37
Worker motivation	in companies is high	5.73	Survey [010]	39
Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	4.91	Survey [010]	34
Quality of life	is high	4.74	Survey [010]	52
Foreign highly-skilled personnel	are attracted to your country's business environment	4.62	Survey [010]	46
Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	6,508	US\$	57
Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	104,387	US\$	45
Effective personal income tax rate	Percentage of an income equal to GDP per capita	11.14	%	16
Justice	is fairly administered	5.68	Survey [010]	34
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	90.25	micrograms	61

	Readiness		Value	!	2020 Rank
▶	Labor force growth	Percentage change	1.82	%	14
▶	Skilled labor	is readily available	6.25	Survey [010]	22
▶	Finance skills	are readily available	6.78	Survey [010]	25
	International experience	of senior managers is generally significant	5.39	Survey [010]	41
	Competent senior managers	are readily available	5.88	Survey [010]	30
	Primary and secondary education	meets the needs of a competitive economy	5.66	Survey [010]	41
▶	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	32.65	%	6
	University education	meets the needs of a competitive economy	5.51	Survey [010]	45
	Management education	meets the needs of the business community	6.42	Survey [010]	35
	Language skills	are meeting the needs of enterprises	6.94	Survey [010]	27
\triangleright	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	0.03	number	60
	Educational assessment - PISA	PISA survey of 15-year olds	-	Average	-

INDONESIA

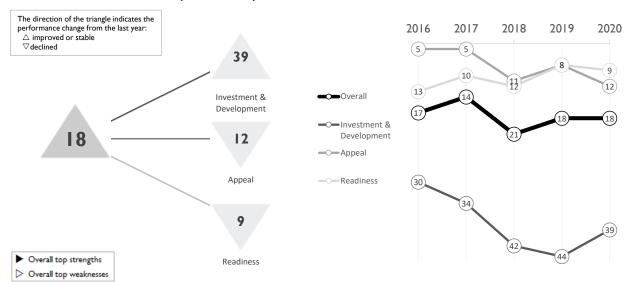


	Investment & Development		Value	2	2020 Rank
\triangleright	Total public expenditure on education	Percentage of GDP	3.0	%	58
\triangleright	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	454	US\$	60
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	19.02	ratio	46
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	15.21	ratio	49
▶	Apprenticeships	are sufficiently implemented	5.65	Survey [010]	19
	Employee training	is a high priority in companies	6.09	Survey [010]	32
	Female labor force	Percentage of total labor force	37.58	%	56
	Health infrastructure	meets the needs of society	5.66	Survey [010]	38

Appeal		Value		2020 Rank
Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	71.90	index	19
Attracting and retaining talents	is a priority in companies	6.57	Survey [010]	38
Worker motivation	in companies is high	6.04	Survey [010]	30
Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	5.76	Survey [010]	25
Quality of life	is high	5.72	Survey [010]	43
Foreign highly-skilled personnel	are attracted to your country's business environment	6.00	Survey [010]	24
Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	5,788	US\$	58
Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	82,139	US\$	54
Effective personal income tax rate	Percentage of an income equal to GDP per capita	1.85	%	4
Justice	is fairly administered	5.02	Survey [010]	41
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	16.71	micrograms	36

	Readiness		Value	2020 Rank
▶	Labor force growth	Percentage change	2.25 %	7
	Skilled labor	is readily available	5.59 Survey [010] 41
	Finance skills	are readily available	5.72 Survey [010] 46
▶	International experience	of senior managers is generally significant	6.17 Survey [010] 23
	Competent senior managers	are readily available	6.00 Survey [010] 26
	Primary and secondary education	meets the needs of a competitive economy	5.94 Survey [010] 36
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	19.42 %	49
	University education	meets the needs of a competitive economy	6.32 Survey [010] 31
	Management education	meets the needs of the business community	6.34 Survey [010] 37
	Language skills	are meeting the needs of enterprises	6.11 Survey [010] 37
\triangleright	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	0.03 number	61
\triangleright	Educational assessment - PISA	PISA survey of 15-year olds	382 Average	57

IRELAND

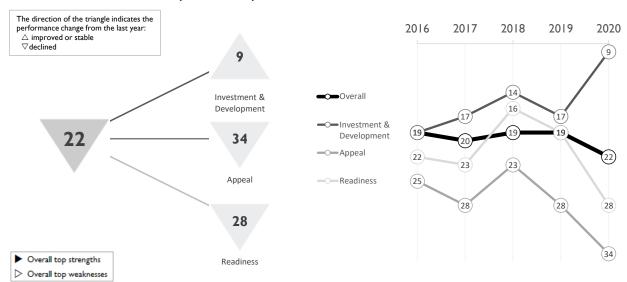


	Investment & Development		Value		2020 Rank
\triangleright	Total public expenditure on education	Percentage of GDP	3.1	%	54
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	8,301	US\$	22
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	15.25	ratio	33
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	12.89	ratio	37
	Apprenticeships	are sufficiently implemented	4.75	Survey [010]	42
	Employee training	is a high priority in companies	6.38	Survey [010]	24
	Female labor force	Percentage of total labor force	45.99	%	33
\triangleright	Health infrastructure	meets the needs of society	4.79	Survey [010]	44

	Appeal		Value	!	2020 Rank
\triangleright	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	88.90	index	46
	Attracting and retaining talents	is a priority in companies	7.46	Survey [010]	23
	Worker motivation	in companies is high	7.17	Survey [010]	10
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	6.47	Survey [010]	15
	Quality of life	is high	8.29	Survey [010]	19
	Foreign highly-skilled personnel	are attracted to your country's business environment	7.46	Survey [010]	10
▶	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	46,792	US\$	8
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	217,567	US\$	18
\triangleright	Effective personal income tax rate	Percentage of an income equal to GDP per capita	23.61	%	49
	Justice	is fairly administered	7.71	Survey [010]	18
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	8.27	micrograms	10

Readiness		Value		2020 Rank
Labor force growth	Percentage change	2.53	%	5
Skilled labor	is readily available	6.71	Survey [010]	П
Finance skills	are readily available	7.63	Survey [010]	8
International experience	of senior managers is generally significant	6.88	Survey [010]	9
Competent senior managers	are readily available	6.71	Survey [010]	12
Primary and secondary education	meets the needs of a competitive economy	8.21	Survey [010]	7
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	24.10	%	33
University education	meets the needs of a competitive economy	8.00	Survey [010]	П
Management education	meets the needs of the business community	7.50	Survey [010]	15
Language skills	are meeting the needs of enterprises	5.25	Survey [010]	46
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	4.59	number	16
Educational assessment - PISA	PISA survey of 15-year olds	505	Average	П
	Labor force growth Skilled labor Finance skills International experience Competent senior managers Primary and secondary education Graduates in Sciences University education Management education Language skills Student mobility inbound	Labor force growth Percentage change Skilled labor is readily available Finance skills are readily available International experience of senior managers is generally significant Competent senior managers are readily available Primary and secondary education Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences University education meets the needs of a competitive economy Management education meets the needs of the business community Language skills are meeting the needs of enterprises Student mobility inbound Foreign tertiary-level students per 1000 inhabitants	Labor force growth Percentage change 2.53 Skilled labor is readily available 6.71 Finance skills are readily available 7.63 International experience of senior managers is generally significant 6.88 Competent senior managers are readily available 6.71 Primary and secondary education meets the needs of a competitive economy 8.21 Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences 24.10 University education meets the needs of a competitive economy 8.00 Management education meets the needs of the business community 7.50 Language skills are meeting the needs of enterprises 5.25 Student mobility inbound Foreign tertiary-level students per 1000 inhabitants 4.59	Labor force growth Percentage change 2.53 % Skilled labor is readily available 6.71 Survey [010] Finance skills are readily available 7.63 Survey [010] International experience of senior managers is generally significant 6.88 Survey [010] Competent senior managers are readily available 6.71 Survey [010] Primary and secondary education meets the needs of a competitive economy 8.21 Survey [010] Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences 24.10 % University education meets the needs of a competitive economy 8.00 Survey [010] Management education meets the needs of the business community 7.50 Survey [010] Language skills are meeting the needs of enterprises 5.25 Survey [010] Student mobility inbound Foreign tertiary-level students per 1000 inhabitants 4.59 number

ISRAEL

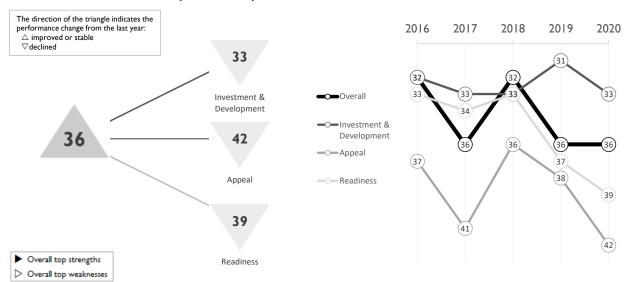


	Investment & Development		Value	. 2	2020 Rank
•	Total public expenditure on education	Percentage of GDP	7.1	%	3
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	9,763	US\$	17
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	15.43	ratio	35
•	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	10.40	ratio	17
•	Apprenticeships	are sufficiently implemented	5.85	Survey [010]	16
	Employee training	is a high priority in companies	6.20	Survey [010]	29
•	Female labor force	Percentage of total labor force	47.88	%	- 11
	Health infrastructure	meets the needs of society	5.90	Survey [010]	36

Α	ppeal		Value	!	2020 Rank
⊳ Co	ost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	96.50	index	52
⊳ At	ttracting and retaining talents	is a priority in companies	6.49	Survey [010]	42
W	orker motivation	in companies is high	6.24	Survey [010]	23
Br	rain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	5.95	Survey [010]	22
Q	uality of life	is high	6.51	Survey [010]	37
Fo	oreign highly-skilled personnel	are attracted to your country's business environment	5.75	Survey [010]	26
Re	emuneration in services professions	Gross annual income including supplements such as bonuses, US\$	35,783	US\$	21
Re	emuneration of management	Total base salary plus bonuses and long-term incentives, US\$	178,295	US\$	28
Eff	fective personal income tax rate	Percentage of an income equal to GDP per capita	16.13	%	30
Jus	stice	is fairly administered	6.29	Survey [010]	26
⊳ Ex	sposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	20.81	micrograms	47

	Readiness		Value	9	2020 Rank
	Labor force growth	Percentage change	1.38	%	18
▶	Skilled labor	is readily available	6.80	Survey [010]] 8
	Finance skills	are readily available	6.39	Survey [010]] 35
	International experience	of senior managers is generally significant	6.20	Survey [010]] 20
	Competent senior managers	are readily available	5.85	Survey [010]] 33
	Primary and secondary education	meets the needs of a competitive economy	6.05	Survey [010]] 35
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	-	%	-
	University education	meets the needs of a competitive economy	6.93	Survey [010]] 25
	Management education	meets the needs of the business community	6.49	Survey [010]] 33
	Language skills	are meeting the needs of enterprises	7.22	Survey [010]] 24
\triangleright	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	1.28	number	47
\triangleright	Educational assessment - PISA	PISA survey of 15-year olds	465	Average	37

ITALY

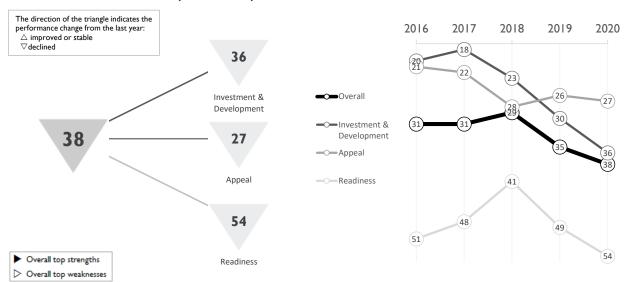


	Investment & Development		Value		2020 Rank
	Total public expenditure on education	Percentage of GDP	4.0	%	42
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	7,574	US\$	24
Þ	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	11.53	ratio	10
Þ	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	10.60	ratio	18
	Apprenticeships	are sufficiently implemented	4.54	Survey [010]	48
\triangleright	Employee training	is a high priority in companies	4.77	Survey [010]	60
	Female labor force	Percentage of total labor force	42.81	%	47
	Health infrastructure	meets the needs of society	7.13	Survey [010]	25

	Appeal		Value	!	2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	88.70	index	45
\triangleright	Attracting and retaining talents	is a priority in companies	5.55	Survey [010]	60
	Worker motivation	in companies is high	5.52	Survey [010]	42
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	4.05	Survey [010]	46
	Quality of life	is high	7.59	Survey [010]	27
\triangleright	Foreign highly-skilled personnel	are attracted to your country's business environment	3.73	Survey [010]	52
▶	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	32,932	US\$	23
▶	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	269,124	US\$	9
\triangleright	Effective personal income tax rate	Percentage of an income equal to GDP per capita	23.85	%	50
	Justice	is fairly administered	3.98	Survey [010]	49
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	16.50	micrograms	35

Readiness		Value		2020 Rank
Labor force growth	Percentage change	-0.11	%	49
Skilled labor	is readily available	6.11	Survey [010]	27
Finance skills	are readily available	5.69	Survey [010]	47
International experience	of senior managers is generally significant	4.96	Survey [010]	50
Competent senior managers	are readily available	5.66	Survey [010]	39
Primary and secondary education	meets the needs of a competitive economy	6.91	Survey [010]	25
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	24.20	%	32
University education	meets the needs of a competitive economy	7.14	Survey [010]	23
Management education	meets the needs of the business community	6.61	Survey [010]	32
Language skills	are meeting the needs of enterprises	4.93	Survey [010]	49
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	1.76	number	39
Educational assessment - PISA	PISA survey of 15-year olds	477	Average	33
	Labor force growth Skilled labor Finance skills International experience Competent senior managers Primary and secondary education Graduates in Sciences University education Management education Language skills Student mobility inbound	Labor force growth Percentage change Skilled labor is readily available Finance skills are readily available International experience of senior managers is generally significant Competent senior managers are readily available Primary and secondary education meets the needs of a competitive economy Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences University education meets the needs of a competitive economy Management education meets the needs of the business community Language skills are meeting the needs of enterprises Student mobility inbound Foreign tertiary-level students per 1000 inhabitants	Labor force growth Percentage change -0.11 Skilled labor is readily available 6.11 Finance skills are readily available 5.69 International experience of senior managers is generally significant 4.96 Competent senior managers are readily available 5.66 Primary and secondary education meets the needs of a competitive economy 6.91 Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences 24.20 University education meets the needs of a competitive economy 7.14 Management education meets the needs of the business community 6.61 Language skills are meeting the needs of enterprises 4.93 Student mobility inbound Foreign tertiary-level students per 1000 inhabitants 1.76	Labor force growth Percentage change -0.11 % Skilled labor is readily available 6.11 Survey [0.10] Finance skills are readily available 5.69 Survey [0.10] International experience of senior managers is generally significant 4.96 Survey [0.10] Competent senior managers are readily available 5.66 Survey [0.10] Primary and secondary education meets the needs of a competitive economy 6.91 Survey [0.10] Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences 24.20 % University education meets the needs of the business community 6.61 Survey [0.10] Management education meets the needs of the business community 6.61 Survey [0.10] Student mobility inbound Foreign tertiary-level students per 1000 inhabitants 1.76 number

JAPAN

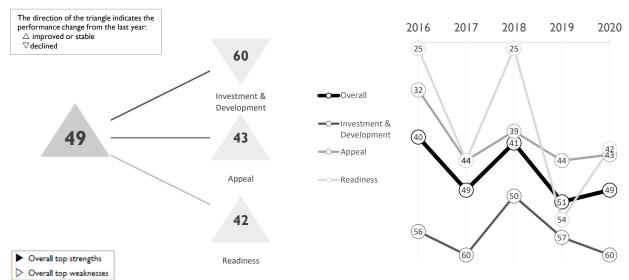


	Investment & Development		Value	. 2	.020 Rank
	Total public expenditure on education	Percentage of GDP	3.1	%	52
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	7,704	US\$	23
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	16.17	ratio	36
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	12.30	ratio	33
▶	Apprenticeships	are sufficiently implemented	5.93	Survey [010]	12
	Employee training	is a high priority in companies	6.24	Survey [010]	28
	Female labor force	Percentage of total labor force	44.40	%	43
	Health infrastructure	meets the needs of society	7.26	Survey [010]	24

Appeal		Value	!	2020 Rank
Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	114.70	index	59
Attracting and retaining talents	is a priority in companies	7.76	Survey [010]	14
Worker motivation	in companies is high	5.83	Survey [010]	37
Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	4.79	Survey [010]	36
Quality of life	is high	7.54	Survey [010]	28
Foreign highly-skilled personnel	are attracted to your country's business environment	3.50	Survey [010]	54
► Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	45,806	US\$	14
► Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	265,052	US\$	П
Effective personal income tax rate	Percentage of an income equal to GDP per capita	14.33	%	26
Justice	is fairly administered	6.72	Survey [010]	22
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	11.86	micrograms	17

	Readiness		Value	!	2020 Rank
	Labor force growth	Percentage change	0.82	%	34
	Skilled labor	is readily available	5.13	Survey [010]] 48
	Finance skills	are readily available	5.28	Survey [010]	53
\triangleright	International experience	of senior managers is generally significant	2.75	Survey [010]] 63
\triangleright	Competent senior managers	are readily available	3.16	Survey [010]] 61
	Primary and secondary education	meets the needs of a competitive economy	6.09	Survey [010]] 33
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	21.71	%	42
	University education	meets the needs of a competitive economy	4.89	Survey [010]	52
\triangleright	Management education	meets the needs of the business community	4.65	Survey [010]	57
\triangleright	Language skills	are meeting the needs of enterprises	2.99	Survey [010]	62
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	1.44	number	45
▶	Educational assessment - PISA	PISA survey of 15-year olds	520	Average	5

JORDAN

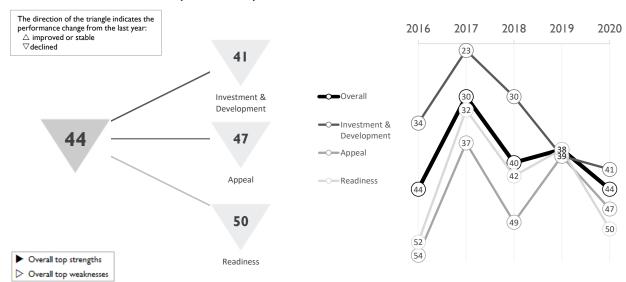


	Investment & Development		Value		2020 Rank
	Total public expenditure on education	Percentage of GDP	3.0	%	55
\triangleright	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	540	US\$	59
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	18.54	ratio	45
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	12.26	ratio	32
▶	Apprenticeships	are sufficiently implemented	5.88	Survey [010]	14
	Employee training	is a high priority in companies	6.48	Survey [010]	23
\triangleright	Female labor force	Percentage of total labor force	20.09	%	59
	Health infrastructure	meets the needs of society	6.05	Survey [010]	33

Appeal		Value		2020 Rank
Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	75.80	index	24
Attracting and retaining talents	is a priority in companies	6.54	Survey [010]	39
Worker motivation	in companies is high	5.65	Survey [010]	40
Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	4.22	Survey [010]	45
Quality of life	is high	5.42	Survey [010]	47
Foreign highly-skilled personnel	are attracted to your country's business environment	5.23	Survey [010]	36
Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	-	US\$	-
Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	52,311	US\$	57
Effective personal income tax rate	Percentage of an income equal to GDP per capita	7.39	%	- 11
Justice	is fairly administered	6.13	Survey [010]	28
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	32.75	micrograms	56

	Readiness		Value	!	2020 Rank
\triangleright	Labor force growth	Percentage change	-1.85	%	61
▶	Skilled labor	is readily available	6.49	Survey [010]	16
	Finance skills	are readily available	6.45	Survey [010]	32
	International experience	of senior managers is generally significant	6.15	Survey [010]	24
▶	Competent senior managers	are readily available	6.69	Survey [010]	13
	Primary and secondary education	meets the needs of a competitive economy	6.07	Survey [010]	34
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	26.36	%	24
	University education	meets the needs of a competitive economy	6.10	Survey [010]	37
	Management education	meets the needs of the business community	6.03	Survey [010]	44
	Language skills	are meeting the needs of enterprises	6.54	Survey [010]	30
▶	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	4.35	number	17
	Educational assessment - PISA	PISA survey of 15-year olds	416	Average	48

KAZAKHSTAN

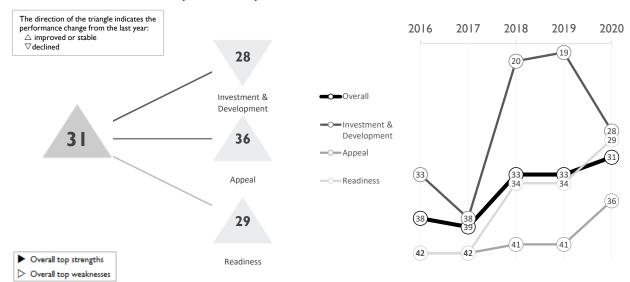


Investment & Development		Value	2020 Rank
Total public expenditure on education	Percentage of GDP	2.6 %	59
Total public exp. on education per student	Spending per enrolled pupil/student, all levels	1,150 Us\$	53
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	19.64 ratio	51
Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	6.96 ratio	I
Apprenticeships	are sufficiently implemented	5.59 Survey [0	0] 23
Employee training	is a high priority in companies	6.60 Survey [0	0] 21
Female labor force	Percentage of total labor force	48.60 %	7
Health infrastructure	meets the needs of society	4.34 Survey [0	0] 48

	Appeal		Value	!	2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	57.40	index	I
	Attracting and retaining talents	is a priority in companies	6.38	Survey [010]	1 43
	Worker motivation	in companies is high	5.47	Survey [010]] 44
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	3.26	Survey [010]	53
	Quality of life	is high	4.77	Survey [010]	51
\triangleright	Foreign highly-skilled personnel	are attracted to your country's business environment	5.54	Survey [010]	31
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	6,878	US\$	56
\triangleright	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	17,332	US\$	62
	Effective personal income tax rate	Percentage of an income equal to GDP per capita	15.96	%	29
	Justice	is fairly administered	5.51	Survey [010]	36
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	13.97	micrograms	25

Readiness		Value	!	2020 Rank
Labor force growth	Percentage change	0.90	%	29
Skilled labor	is readily available	5.55	Survey [010]	42
Finance skills	are readily available	6.42	Survey [010]	34
International experience	of senior managers is generally significant	5.61	Survey [010]	36
Competent senior managers	are readily available	5.88	Survey [010]	31
Primary and secondary education	meets the needs of a competitive economy	5.01	Survey [010]	48
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	24.84	%	31
University education	meets the needs of a competitive economy	4.63	Survey [010]	54
Management education	meets the needs of the business community	4.91	Survey [010]	55
Language skills	are meeting the needs of enterprises	4.96	Survey [010]	48
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	0.79	number	50
Educational assessment - PISA	PISA survey of 15-year olds	402	Average	52

KOREA REP.

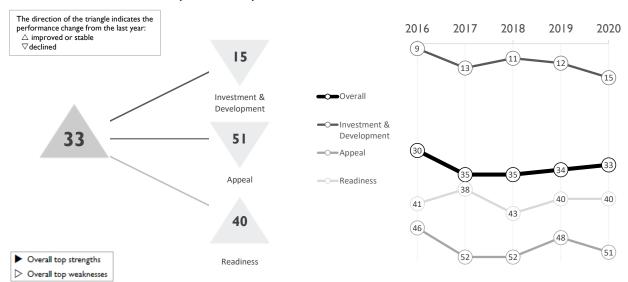


Investment & Development		Value	2020 Rank
Total public expenditure on education	Percentage of GDP	4.3 %	37
Total public exp. on education per student	Spending per enrolled pupil/student, all levels	6,230 US\$	29
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	16.51 ratio	39
Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	12.78 ratio	36
Apprenticeships	are sufficiently implemented	5.67 Survey [010	0] [8
Employee training	is a high priority in companies	6.84 Survey [010	0] 15
> Female labor force	Percentage of total labor force	42.92 %	45
Health infrastructure	meets the needs of society	8.00 Survey [010	0] 15

	Appeal		Value		2020 Rank
\triangleright	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	109.40	index	56
▶	Attracting and retaining talents	is a priority in companies	7.81	Survey [010]] []
	Worker motivation	in companies is high	5.48	Survey [010]	43
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	5.46	Survey [010]	28
	Quality of life	is high	6.43	Survey [010]	39
	Foreign highly-skilled personnel	are attracted to your country's business environment	4.70	Survey [010]	43
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	24,963	US\$	28
▶	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	249,586	US\$	14
▶	Effective personal income tax rate	Percentage of an income equal to GDP per capita	8.43	%	13
	Justice	is fairly administered	5.04	Survey [010]	40
\triangleright	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	25.14	micrograms	53

Readiness		Value	<u>:</u>	2020 Rank
Labor force growth	Percentage change	1.04	%	25
Skilled labor	is readily available	5.97	Survey [010]	31
Finance skills	are readily available	6.59	Survey [010]	28
International experience	of senior managers is generally significant	5.51	Survey [010]	39
Competent senior managers	are readily available	5.27	Survey [010]	42
Primary and secondary education	meets the needs of a competitive economy	5.53	Survey [010]	44
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	29.35	%	10
> University education	meets the needs of a competitive economy	5.30	Survey [010]	48
> Management education	meets the needs of the business community	5.53	Survey [010]	48
Language skills	are meeting the needs of enterprises	6.08	Survey [010]	38
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	1.64	number	41
Educational assessment - PISA	PISA survey of 15-year olds	520	Average	6

LATVIA

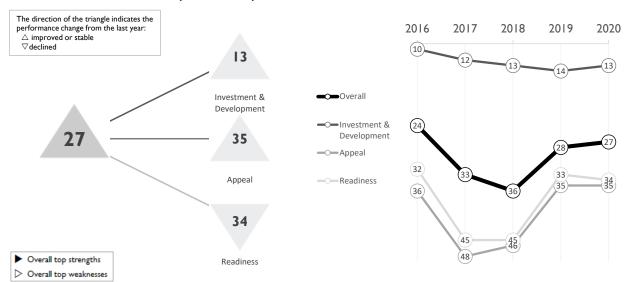


	Investment & Development		Value		2020 Rank
>	Total public expenditure on education	Percentage of GDP	5.8	%	12
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	4,975	US\$	34
•	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	12.00	ratio	14
>	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	9.53	ratio	13
	Apprenticeships	are sufficiently implemented	5.07	Survey [010]	32
	Employee training	is a high priority in companies	5.69	Survey [010]	39
•	Female labor force	Percentage of total labor force	50.07	%	3
	Health infrastructure	meets the needs of society	4.80	Survey [010]	43

	Appeal		Value		2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	76.20	index	26
\triangleright	Attracting and retaining talents	is a priority in companies	6.04	Survey [010]	50
	Worker motivation	in companies is high	5.86	Survey [010]	35
\triangleright	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	3.20	Survey [010]	54
	Quality of life	is high	6.09	Survey [010]	41
	Foreign highly-skilled personnel	are attracted to your country's business environment	4.89	Survey [010]	40
\triangleright	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	11,431	US\$	51
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	103,020	US\$	46
	Effective personal income tax rate	Percentage of an income equal to GDP per capita	22.84	%	47
	Justice	is fairly administered	5.11	Survey [010]	38
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	14.11	micrograms	26

	Readiness		Value	2020 Rank
\triangleright	Labor force growth	Percentage change	-1.11 %	60
	Skilled labor	is readily available	5.60 Survey [0	10] 40
	Finance skills	are readily available	6.09 Survey [0	10] 40
	International experience	of senior managers is generally significant	5.86 Survey [0	10] 29
	Competent senior managers	are readily available	5.87 Survey [0	10] 32
	Primary and secondary education	meets the needs of a competitive economy	6.58 Survey [0	10] 28
\triangleright	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	20.17 %	47
	University education	meets the needs of a competitive economy	6.22 Survey [0	10] 34
	Management education	meets the needs of the business community	6.36 Survey [0	10] 36
▶	Language skills	are meeting the needs of enterprises	7.60 Survey [0	10] 19
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	3.91 number	22
	Educational assessment - PISA	PISA survey of 15-year olds	487 Average	28

LITHUANIA

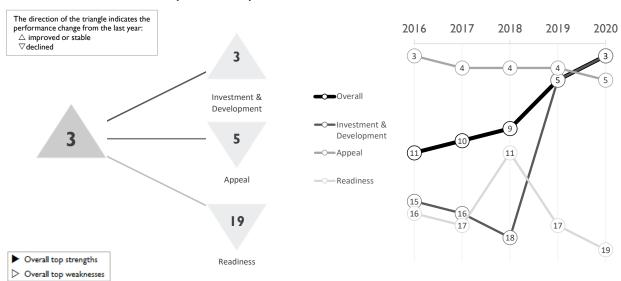


	Investment & Development		Value		2020 Rank
	Total public expenditure on education	Percentage of GDP	4.5	%	33
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	4,043	US\$	39
•	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	11.22	ratio	9
•	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	7.75	ratio	3
•	Apprenticeships	are sufficiently implemented	5.93	Survey [010]	13
	Employee training	is a high priority in companies	6.68	Survey [010]	17
•	Female labor force	Percentage of total labor force	50.20	%	I
	Health infrastructure	meets the needs of society	5.84	Survey [010]	37

Appeal		Value	!	2020 Rank
Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	68.20	index	12
Attracting and retaining talents	is a priority in companies	7.20	Survey [010]	25
Worker motivation	in companies is high	6.24	Survey [010]	25
> Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	3.84	Survey [010]	50
Quality of life	is high	7.18	Survey [010]	31
Foreign highly-skilled personnel	are attracted to your country's business environment	5.10	Survey [010]	38
> Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	11,666	US\$	49
> Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	116,571	US\$	43
Effective personal income tax rate	Percentage of an income equal to GDP per capita	20.72	%	40
Justice	is fairly administered	6.07	Survey [010]	29
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	11.90	micrograms	18

	Readiness		Value	2	2020 Rank
	Labor force growth	Percentage change	0.38	%	40
\triangleright	Skilled labor	is readily available	5.24	Survey [010]	45
\triangleright	Finance skills	are readily available	5.34	Survey [010]	52
	International experience	of senior managers is generally significant	6.19	Survey [010]	21
	Competent senior managers	are readily available	5.98	Survey [010]	27
	Primary and secondary education	meets the needs of a competitive economy	5.91	Survey [010]	38
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	26.82	%	22
	University education	meets the needs of a competitive economy	5.81	Survey [010]	41
	Management education	meets the needs of the business community	6.33	Survey [010]	38
	Language skills	are meeting the needs of enterprises	7.81	Survey [010]	18
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	2.25	number	33
	Educational assessment - PISA	PISA survey of 15-year olds	480	Average	31

LUXEMBOURG

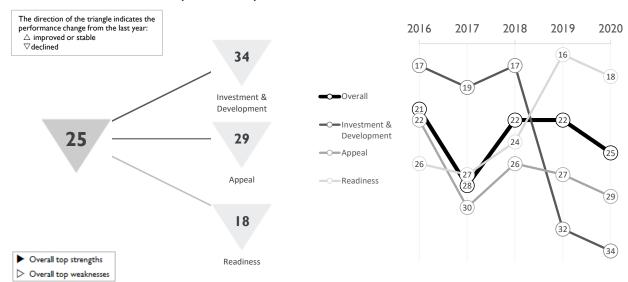


	Investment & Development		Value		2020 Rank
	Total public expenditure on education	Percentage of GDP	4.6	%	30
▶	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	29,052	US\$	I
▶	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	9.05	ratio	I
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	9.47	ratio	12
	Apprenticeships	are sufficiently implemented	5.59	Survey [010]	22
	Employee training	is a high priority in companies	6.91	Survey [010]	13
\triangleright	Female labor force	Percentage of total labor force	41.03	%	52
	Health infrastructure	meets the needs of society	8.03	Survey [010]	14

	Appeal		Value	!	2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	80.30	index	31
▶	Attracting and retaining talents	is a priority in companies	8.20	Survey [010]	2
	Worker motivation	in companies is high	6.24	Survey [010]	25
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	6.06	Survey [010]	18
	Quality of life	is high	8.69	Survey [010]	13
	Foreign highly-skilled personnel	are attracted to your country's business environment	8.17	Survey [010]	4
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	64,767	US\$	3
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	274,618	US\$	7
\triangleright	Effective personal income tax rate	Percentage of an income equal to GDP per capita	24.50	%	52
	Justice	is fairly administered	7.71	Survey [010]	17
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	10.18	micrograms	13

	Readiness		Value	!	2020 Rank
▶	Labor force growth	Percentage change	3.72	%	I
\triangleright	Skilled labor	is readily available	4.32	Survey [010]	53
	Finance skills	are readily available	7.13	Survey [010]	18
	International experience	of senior managers is generally significant	7.54	Survey [010]	6
\triangleright	Competent senior managers	are readily available	5.29	Survey [010]	41
	Primary and secondary education	meets the needs of a competitive economy	6.49	Survey [010]	30
\triangleright	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	18.82	%	52
	University education	meets the needs of a competitive economy	6.14	Survey [010]	36
	Management education	meets the needs of the business community	6.65	Survey [010]	30
	Language skills	are meeting the needs of enterprises	8.77	Survey [010]	4
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	5.58	number	12
	Educational assessment - PISA	PISA survey of 15-year olds	477	Average	34

MALAYSIA

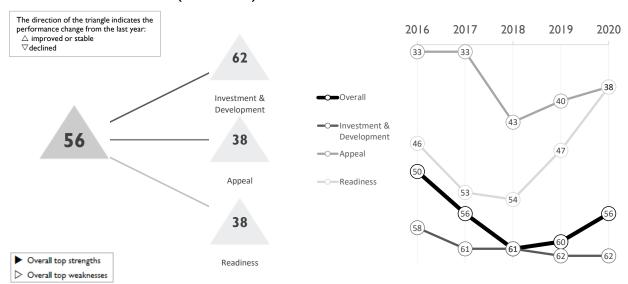


	Investment & Development		Value		2020 Rank
	Total public expenditure on education	Percentage of GDP	4.4	%	34
\triangleright	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	3,267	US\$	42
▶	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	11.70	ratio	12
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	11.30	ratio	22
	Apprenticeships	are sufficiently implemented	5.31	Survey [010]	28
	Employee training	is a high priority in companies	6.13	Survey [010]	31
\triangleright	Female labor force	Percentage of total labor force	39.01	%	55
	Health infrastructure	meets the needs of society	7.30	Survey [010]	23

	Appeal		Value	!	2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	68.50	index	13
	Attracting and retaining talents	is a priority in companies	6.50	Survey [010]	41
	Worker motivation	in companies is high	5.97	Survey [010]	31
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	5.24	Survey [010]	30
	Quality of life	is high	7.00	Survey [010]	33
	Foreign highly-skilled personnel	are attracted to your country's business environment	5.99	Survey [010]	25
\triangleright	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	13,564	US\$	41
\triangleright	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	119,219	US\$	42
▶	Effective personal income tax rate	Percentage of an income equal to GDP per capita	10.53	%	15
	Justice	is fairly administered	6.23	Survey [010]	27
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	16.04	micrograms	29

	Readiness		Value		2020 Rank
\blacktriangleright	Labor force growth	Percentage change	1.97	%	12
	Skilled labor	is readily available	5.99	Survey [010]	30
	Finance skills	are readily available	6.43	Survey [010]	33
	International experience	of senior managers is generally significant	5.80	Survey [010]	32
	Competent senior managers	are readily available	6.10	Survey [010]	24
	Primary and secondary education	meets the needs of a competitive economy	6.53	Survey [010]	29
\blacktriangleright	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	40.77	%	I
	University education	meets the needs of a competitive economy	6.31	Survey [010]	32
	Management education	meets the needs of the business community	6.32	Survey [010]	39
	Language skills	are meeting the needs of enterprises	6.82	Survey [010]	28
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	3.15	number	27
\triangleright	Educational assessment - PISA	PISA survey of 15-year olds	431	Average	44

MEXICO

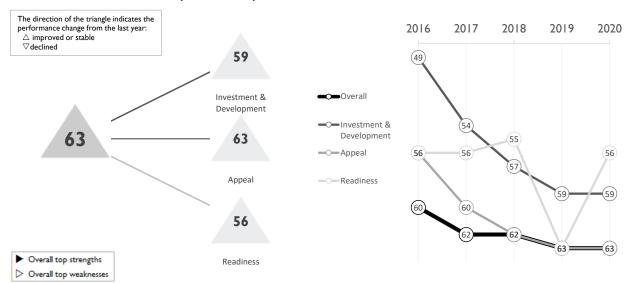


	Investment & Development		Value		2020 Rank
	Total public expenditure on education	Percentage of GDP	3.0	%	56
\triangleright	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	983	US\$	57
\triangleright	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	26.41	ratio	58
\triangleright	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	27.84	ratio	61
	Apprenticeships	are sufficiently implemented	4.97	Survey [010]	36
	Employee training	is a high priority in companies	5.47	Survey [010]	43
	Female labor force	Percentage of total labor force	39.57	%	54
	Health infrastructure	meets the needs of society	3.15	Survey [010]	56

	Appeal		Value	!	2020 Rank
Þ	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	65.30	index	8
	Attracting and retaining talents	is a priority in companies	6.17	Survey [010]	46
	Worker motivation	in companies is high	5.90	Survey [010]	33
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	4.44	Survey [010]	43
	Quality of life	is high	5.44	Survey [010]	46
	Foreign highly-skilled personnel	are attracted to your country's business environment	5.43	Survey [010]	33
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	7,429	US\$	55
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	198,605	US\$	21
	Effective personal income tax rate	Percentage of an income equal to GDP per capita	14.10	%	25
\triangleright	Justice	is fairly administered	2.44	Survey [010]	57
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	21.24	micrograms	49

	Readiness		Value		2020 Rank
▶	Labor force growth	Percentage change	2.86	%	2
	Skilled labor	is readily available	5.92	Survey [010]	33
	Finance skills	are readily available	5.75	Survey [010]	45
▶	International experience	of senior managers is generally significant	6.17	Survey [010]	22
	Competent senior managers	are readily available	5.68	Survey [010]	38
	Primary and secondary education	meets the needs of a competitive economy	4.19	Survey [010]	52
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	25.97	%	26
	University education	meets the needs of a competitive economy	5.38	Survey [010]	47
	Management education	meets the needs of the business community	5.77	Survey [010]	47
	Language skills	are meeting the needs of enterprises	4.82	Survey [010]	50
\triangleright	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	0.06	number	59
	Educational assessment - PISA	PISA survey of 15-year olds	416	Average	47

MONGOLIA

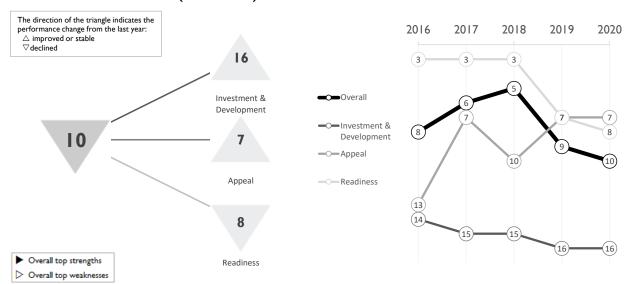


Investment & Development		Value	. :	2020 Rank
Total public expenditure on education	Percentage of GDP	4.3	%	38
Total public exp. on education per student	Spending per enrolled pupil/student, all levels	768	US\$	58
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	32.41	ratio	61
Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	19.50	ratio	54
Apprenticeships	are sufficiently implemented	3.97	Survey [010]	57
Employee training	is a high priority in companies	7.13	Survey [010]	9
Female labor force	Percentage of total labor force	46.46	%	26
Health infrastructure	meets the needs of society	3.19	Survey [010]	54

	Appeal		Value	!	2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	-	index	-
▶	Attracting and retaining talents	is a priority in companies	8.00	Survey [010]	4
	Worker motivation	in companies is high	4.67	Survey [010]	57
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	3.62	Survey [010]	51
	Quality of life	is high	3.12	Survey [010]	61
	Foreign highly-skilled personnel	are attracted to your country's business environment	3.80	Survey [010]	51
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	-	US\$	-
\triangleright	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	6,084	US\$	63
\triangleright	Effective personal income tax rate	Percentage of an income equal to GDP per capita	30.00	%	63
	Justice	is fairly administered	3.13	Survey [010]	53
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	43.18	micrograms	58

	Readiness		Value	!	2020 Rank
	Labor force growth	Percentage change	-	%	-
\triangleright	Skilled labor	is readily available	2.90	Survey [010]	63
\triangleright	Finance skills	are readily available	3.77	Survey [010]	62
	International experience	of senior managers is generally significant	4.20	Survey [010]	59
	Competent senior managers	are readily available	3.71	Survey [010]	58
	Primary and secondary education	meets the needs of a competitive economy	3.68	Survey [010]	57
▶	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	25.34	%	28
\triangleright	University education	meets the needs of a competitive economy	3.13	Survey [010]	63
	Management education	meets the needs of the business community	4.18	Survey [010]	60
	Language skills	are meeting the needs of enterprises	4.29	Survey [010]	53
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	0.50	number	52
	Educational assessment - PISA	PISA survey of 15-year olds	-	Average	-

NETHERLANDS

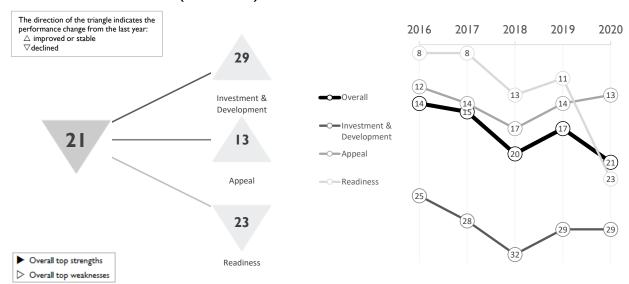


	Investment & Development		Value	2	2020 Rank
	Total public expenditure on education	Percentage of GDP	5.1	%	24
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	11,161	US\$	13
\triangleright	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	16.41	ratio	37
\triangleright	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	16.87	ratio	50
	Apprenticeships	are sufficiently implemented	6.78	Survey [010]	5
	Employee training	is a high priority in companies	7.31	Survey [010]	7
	Female labor force	Percentage of total labor force	46.72	%	24
	Health infrastructure	meets the needs of society	8.31	Survey [010]	10

	Appeal		Value	!	2020 Rank
\triangleright	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	84.30	index	40
	Attracting and retaining talents	is a priority in companies	7.97	Survey [010]	5
	Worker motivation	in companies is high	7.34	Survey [010]	6
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	7.56	Survey [010]	5
	Quality of life	is high	9.30	Survey [010]	7
	Foreign highly-skilled personnel	are attracted to your country's business environment	7.85	Survey [010]	6
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	46,077	US\$	13
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	255,603	US\$	12
\triangleright	Effective personal income tax rate	Percentage of an income equal to GDP per capita	26.42	%	57
▶	Justice	is fairly administered	8.79	Survey [010]	3
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	12.09	micrograms	20

	Readiness		Value		2020 Rank
	Labor force growth	Percentage change	1.62	%	16
	Skilled labor	is readily available	6.73	Survey [010]	10
	Finance skills	are readily available	7.87	Survey [010]	5
>	International experience	of senior managers is generally significant	7.77	Survey [010]] 3
•	Competent senior managers	are readily available	7.34	Survey [010]] 2
	Primary and secondary education	meets the needs of a competitive economy	8.30	Survey [010]	5
\triangleright	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	7.45	%	56
	University education	meets the needs of a competitive economy	8.59	Survey [010]	5
•	Management education	meets the needs of the business community	8.10	Survey [010]	1 4
•	Language skills	are meeting the needs of enterprises	8.97	Survey [010]] 2
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	6.01	number	10
	Educational assessment - PISA	PISA survey of 15-year olds	502	Average	16

NEW ZEALAND

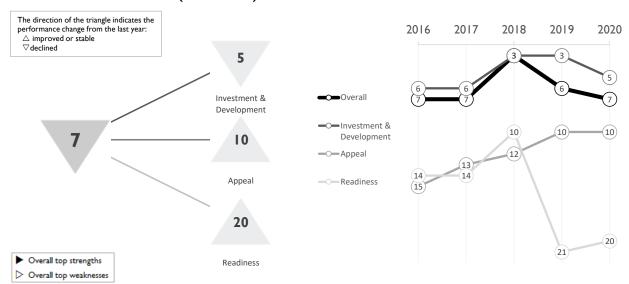


	Investment & Development		Value		2020 Rank
	Total public expenditure on education	Percentage of GDP	5.6	%	14
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	8,798	US\$	21
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	16.83	ratio	41
\triangleright	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	14.64	ratio	47
\triangleright	Apprenticeships	are sufficiently implemented	4.04	Survey [010]	56
\triangleright	Employee training	is a high priority in companies	5.15	Survey [010]	51
•	Female labor force	Percentage of total labor force	47.93	%	10
	Health infrastructure	meets the needs of society	6.10	Survey [010]	32

	Appeal		Value	!	2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	78.30	index	29
	Attracting and retaining talents	is a priority in companies	7.66	Survey [010]	16
	Worker motivation	in companies is high	6.24	Survey [010]	24
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	4.71	Survey [010]	37
▶	Quality of life	is high	8.78	Survey [010]	10
	Foreign highly-skilled personnel	are attracted to your country's business environment	7.15	Survey [010]	12
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	40,586	US\$	15
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	166,713	US\$	29
	Effective personal income tax rate	Percentage of an income equal to GDP per capita	22.76	%	46
▶	Justice	is fairly administered	8.41	Survey [010]	6
▶	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	5.99	micrograms	2

	Readiness		Value	2	2020 Rank
	Labor force growth	Percentage change	1.34	%	20
\triangleright	Skilled labor	is readily available	4.03	Survey [010]	56
	Finance skills	are readily available	5.86	Survey [010]	44
	International experience	of senior managers is generally significant	5.46	Survey [010]	40
\triangleright	Competent senior managers	are readily available	5.05	Survey [010]	47
	Primary and secondary education	meets the needs of a competitive economy	6.98	Survey [010]	23
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	21.38	%	44
	University education	meets the needs of a competitive economy	6.92	Survey [010]	26
	Management education	meets the needs of the business community	6.14	Survey [010]	1 41
	Language skills	are meeting the needs of enterprises	6.31	Survey [010]	32
\blacktriangleright	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	10.69	number	3
	Educational assessment - PISA	PISA survey of 15-year olds	503	Average	14

NORWAY

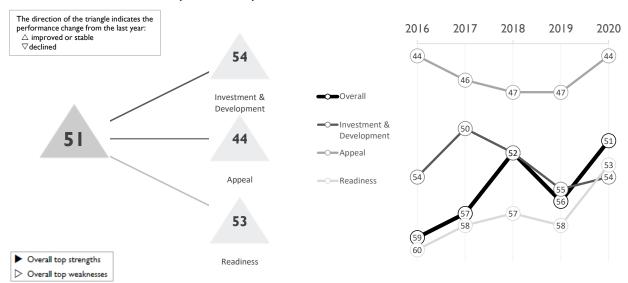


	Investment & Development		Value		2020 Rank
	Total public expenditure on education	Percentage of GDP	5.4	%	17
▶	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	17,181	US\$	4
•	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	10.10	ratio	4
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	9.61	ratio	14
	Apprenticeships	are sufficiently implemented	6.57	Survey [010]	7
•	Employee training	is a high priority in companies	7.42	Survey [010]	4
	Female labor force	Percentage of total labor force	46.96	%	20
	Health infrastructure	meets the needs of society	8.23	Survey [010]	П

	Appeal		Value	!	2020 Rank
D	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	84.70	index	41
	Attracting and retaining talents	is a priority in companies	7.50	Survey [010]	20
	Worker motivation	in companies is high	7.37	Survey [010]] 5
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	7.60	Survey [010]] 4
	Quality of life	is high	8.73	Survey [010]	1 12
	Foreign highly-skilled personnel	are attracted to your country's business environment	6.92	Survey [010]	J 15
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	53,497	US\$	6
D	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	146,090	US\$	38
D	Effective personal income tax rate	Percentage of an income equal to GDP per capita	25.26	%	53
	Justice	is fairly administered	8.33	Survey [010]	9
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	7.05	micrograms	7

	Readiness		Value	!	2020 Rank
	Labor force growth	Percentage change	0.99	%	26
\blacktriangleright	Skilled labor	is readily available	7.27	Survey [010]	4
	Finance skills	are readily available	7.32	Survey [010]	16
	International experience	of senior managers is generally significant	6.10	Survey [010]	25
	Competent senior managers	are readily available	6.78	Survey [010]	10
	Primary and secondary education	meets the needs of a competitive economy	7.63	Survey [010]	15
\triangleright	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	21.81	%	41
	University education	meets the needs of a competitive economy	8.03	Survey [010]	10
	Management education	meets the needs of the business community	7.80	Survey [010]	9
	Language skills	are meeting the needs of enterprises	8.40	Survey [010]	10
\triangleright	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	2.29	number	32
	Educational assessment - PISA	PISA survey of 15-year olds	497	Average	22

PERU

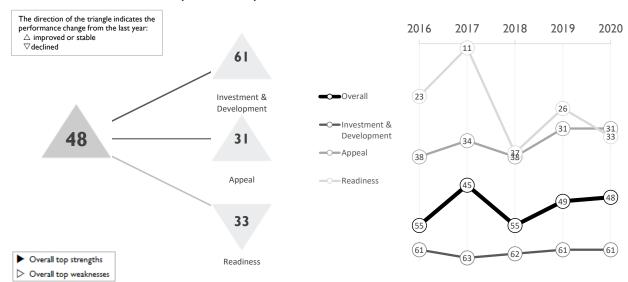


	Investment & Development		Value	2	2020 Rank
	Total public expenditure on education	Percentage of GDP	3.7	%	46
\triangleright	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	1,035	US\$	56
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	19.99	ratio	53
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	17.34	ratio	52
	Apprenticeships	are sufficiently implemented	5.19	Survey [010]	31
	Employee training	is a high priority in companies	5.18	Survey [010]	49
	Female labor force	Percentage of total labor force	44.48	%	41
\triangleright	Health infrastructure	meets the needs of society	2.23	Survey [010]	61

	Appeal		Value	!	2020 Rank
•	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	70.00	index	17
	Attracting and retaining talents	is a priority in companies	5.67	Survey [010]	56
	Worker motivation	in companies is high	5.42	Survey [010]	46
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	4.99	Survey [010]	31
	Quality of life	is high	4.79	Survey [010]	50
	Foreign highly-skilled personnel	are attracted to your country's business environment	6.16	Survey [010]	22
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	13,359	US\$	42
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	164,455	US\$	32
	Effective personal income tax rate	Percentage of an income equal to GDP per capita	12.45	%	20
\triangleright	Justice	is fairly administered	2.60	Survey [010]	56
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	26.04	micrograms	54

	Readiness		Value		2020 Rank
	Labor force growth	Percentage change	0.00	%	47
	Skilled labor	is readily available	4.92	Survey [010]	50
	Finance skills	are readily available	5.36	Survey [010]	51
▶	International experience	of senior managers is generally significant	6.00	Survey [010]	26
	Competent senior managers	are readily available	4.96	Survey [010]	48
\triangleright	Primary and secondary education	meets the needs of a competitive economy	3.64	Survey [010]	59
\blacktriangleright	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	29.64	%	9
	University education	meets the needs of a competitive economy	4.47	Survey [010]	55
	Management education	meets the needs of the business community	5.12	Survey [010]	52
\triangleright	Language skills	are meeting the needs of enterprises	4.08	Survey [010]	57
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	-	number	-
	Educational assessment - PISA	PISA survey of 15-year olds	402	Average	53

PHILIPPINES

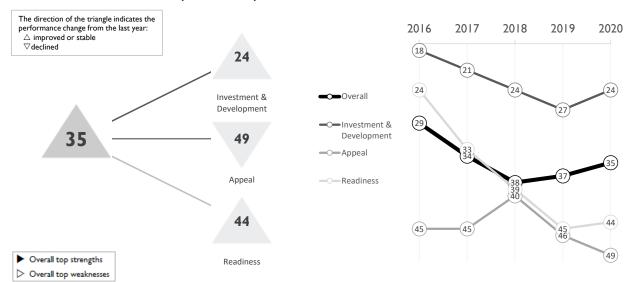


Investment & Development		Value	e :	2020 Rank
Total public expenditure on education	Percentage of GDP	3.3	%	50
Total public exp. on education per student	Spending per enrolled pupil/student, all levels	421	US\$	61
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	27.13	ratio	59
Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	25.08	ratio	57
Apprenticeships	are sufficiently implemented	4.71	Survey [010]	44
Employee training	is a high priority in companies	5.80	Survey [010]	37
Female labor force	Percentage of total labor force	39.71	%	53
Health infrastructure	meets the needs of society	4.18	Survey [010]	49
	Total public expenditure on education Total public exp. on education per student Pupil-teacher ratio (primary education) Pupil-teacher ratio (secondary education) Apprenticeships Employee training Female labor force	Total public expenditure on education Percentage of GDP Total public exp. on education per student Spending per enrolled pupil/student, all levels Pupil-teacher ratio (primary education) Ratio of students to teaching staff Pupil-teacher ratio (secondary education) Ratio of students to teaching staff Apprenticeships are sufficiently implemented Employee training is a high priority in companies Female labor force Percentage of total labor force	Total public expenditure on education Percentage of GDP 3.3 Total public exp. on education per student Spending per enrolled pupil/student, all levels 421 Pupil-teacher ratio (primary education) Ratio of students to teaching staff 27.13 Pupil-teacher ratio (secondary education) Ratio of students to teaching staff 25.08 Apprenticeships are sufficiently implemented 4.71 Employee training is a high priority in companies 5.80 Female labor force Percentage of total labor force 39.71	Total public expenditure on educationPercentage of GDP3.3%Total public exp. on education per studentSpending per enrolled pupil/student, all levels421US\$Pupil-teacher ratio (primary education)Ratio of students to teaching staff27.13ratioPupil-teacher ratio (secondary education)Ratio of students to teaching staff25.08ratioApprenticeshipsare sufficiently implemented4.71Survey [010]Employee trainingis a high priority in companies5.80Survey [010]Female labor forcePercentage of total labor force39.71%

	Appeal		Value	!	2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	69.70	index	15
	Attracting and retaining talents	is a priority in companies	6.89	Survey [010]] 28
	Worker motivation	in companies is high	6.29	Survey [010]] 22
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	4.29	Survey [010]] 44
	Quality of life	is high	5.27	Survey [010]] 48
	Foreign highly-skilled personnel	are attracted to your country's business environment	5.13	Survey [010]] 37
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	12,791	US\$	43
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	152,973	US\$	35
•	Effective personal income tax rate	Percentage of an income equal to GDP per capita	5.35	%	8
	Justice	is fairly administered	3.75	Survey [010]	50
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	18.17	micrograms	42

	Readiness		Value	!	2020 Rank
▶	Labor force growth	Percentage change	2.84	%	3
▶	Skilled labor	is readily available	6.62	Survey [010]	13
	Finance skills	are readily available	6.38	Survey [010]	36
	International experience	of senior managers is generally significant	5.58	Survey [010]	38
	Competent senior managers	are readily available	6.24	Survey [010]	21
	Primary and secondary education	meets the needs of a competitive economy	5.49	Survey [010]	45
▶	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	29.17	%	11
	University education	meets the needs of a competitive economy	6.24	Survey [010]	33
	Management education	meets the needs of the business community	6.64	Survey [010]	31
	Language skills	are meeting the needs of enterprises	7.56	Survey [010]	20
\triangleright	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	0.12	number	56
\triangleright	Educational assessment - PISA	PISA survey of 15-year olds	350	Average	58

POLAND

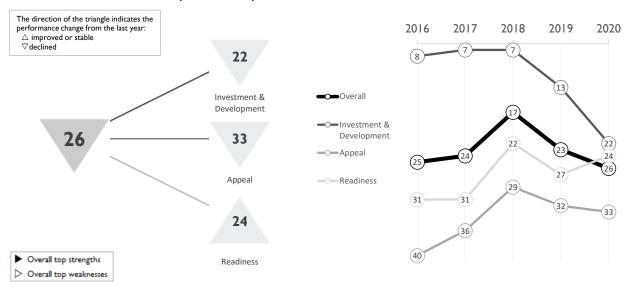


	Investment & Development		Value	2	2020 Rank
	Total public expenditure on education	Percentage of GDP	5.0	%	25
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	3,783	US\$	40
•	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	9.60	ratio	3
•	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	10.26	ratio	16
	Apprenticeships	are sufficiently implemented	5.54	Survey [010]	25
•	Employee training	is a high priority in companies	6.49	Survey [010]	22
	Female labor force	Percentage of total labor force	44.78	%	39
\triangleright	Health infrastructure	meets the needs of society	3.56	Survey [010]	52

	Appeal		Value		2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	66.30	index	9
\triangleright	Attracting and retaining talents	is a priority in companies	5.32	Survey [010]	61
	Worker motivation	in companies is high	6.06	Survey [010]	28
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	4.95	Survey [010]	32
	Quality of life	is high	6.00	Survey [010]	1 42
	Foreign highly-skilled personnel	are attracted to your country's business environment	4.65	Survey [010]	45
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	18,898	US\$	34
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	152,515	US\$	36
\triangleright	Effective personal income tax rate	Percentage of an income equal to GDP per capita	25.75	%	54
	Justice	is fairly administered	4.34	Survey [010]	46
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	20.94	micrograms	48

Rea	adiness		Value	2020 Rani
⊳ Lab	or force growth	Percentage change	-0.72 %	56
Skill	led labor	is readily available	5.50 Sur	vey [010] 43
Fina	ance skills	are readily available	5.50 Sur	vey [010] 50
Inte	ernational experience	of senior managers is generally significant	5.63 Sur	vey [010] 35
Cor	mpetent senior managers	are readily available	5.72 Sur	vey [010] 36
Prin	mary and secondary education	meets the needs of a competitive economy	5.42 Sur	vey [010] 46
Gra	aduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	21.65 %	43
Univ	versity education	meets the needs of a competitive economy	6.22 Sur	vey [010] 35
Man	nagement education	meets the needs of the business community	6.09 Sur	vey [010] 42
Lang	guage skills	are meeting the needs of enterprises	6.18 Sur	vey [010] 35
Stuc	dent mobility inbound	Foreign tertiary-level students per 1000 inhabitants	1.42 nur	mber 46
► Edu	icational assessment - PISA	PISA survey of 15-year olds	513 Av	erage IC

PORTUGAL

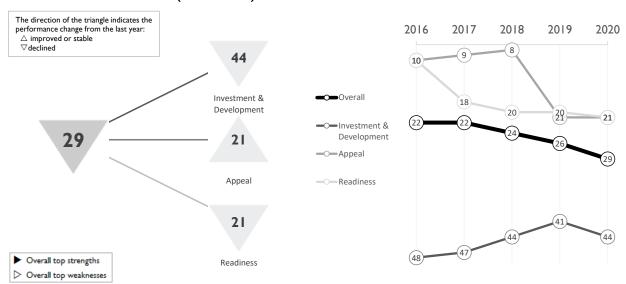


Investment & Development		Value	. :	2020 Rank
Total public expenditure on education	Percentage of GDP	4.5	%	31
Total public exp. on education per student	Spending per enrolled pupil/student, all levels	5,498	US\$	31
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	12.42	ratio	18
Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	9.21	ratio	8
Apprenticeships	are sufficiently implemented	5.28	Survey [010]	29
Employee training	is a high priority in companies	4.88	Survey [010]	58
Female labor force	Percentage of total labor force	49.39	%	4
Health infrastructure	meets the needs of society	6.85	Survey [010]	28

	Appeal		Value	!	2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	75.90	index	25
\triangleright	Attracting and retaining talents	is a priority in companies	6.05	Survey [010]	49
\triangleright	Worker motivation	in companies is high	5.16	Survey [010]	51
\triangleright	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	3.93	Survey [010]	49
	Quality of life	is high	7.83	Survey [010]	24
	Foreign highly-skilled personnel	are attracted to your country's business environment	5.42	Survey [010]	35
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	21,500	US\$	32
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	165,200	US\$	31
	Effective personal income tax rate	Percentage of an income equal to GDP per capita	18.51	%	33
\triangleright	Justice	is fairly administered	2.80	Survey [010]	55
▶	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	8.12	micrograms	9

Readiness		Value	9	2020 Rank
Labor force growth	Percentage change	0.38	%	41
Skilled labor	is readily available	6.24	Survey [010]	23
Finance skills	are readily available	6.22	Survey [010]	39
International experience	of senior managers is generally significant	5.01	Survey [010]	48
Competent senior managers	are readily available	5.16	Survey [010]	45
Primary and secondary education	meets the needs of a competitive economy	6.89	Survey [010]	26
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	27.91	%	15
University education	meets the needs of a competitive economy	7.81	Survey [010]	14
Management education	meets the needs of the business community	7.66	Survey [010]	12
Language skills	are meeting the needs of enterprises	8.72	Survey [010]	7
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	2.74	number	30
Educational assessment - PISA	PISA survey of 15-year olds	492	Average	26

QATAR

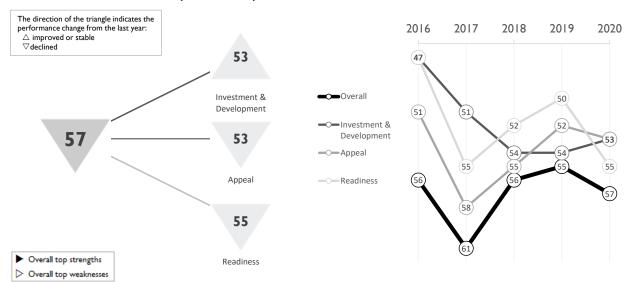


	Investment & Development		Value		2020 Rank
\triangleright	Total public expenditure on education	Percentage of GDP	2.6	%	60
▶	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	14,408	US\$	7
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	12.17	ratio	17
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	11.04	ratio	19
	Apprenticeships	are sufficiently implemented	6.24	Survey [010]	8
	Employee training	is a high priority in companies	7.11	Survey [010]	10
\triangleright	Female labor force	Percentage of total labor force	13.55	%	61
	Health infrastructure	meets the needs of society	8.39	Survey [010]	9

	Appeal		Value	2	2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	72.30	index	20
	Attracting and retaining talents	is a priority in companies	7.62	Survey [010]] 17
	Worker motivation	in companies is high	7.07	Survey [010]] [4
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	6.66	Survey [010]] 12
	Quality of life	is high	8.49	Survey [010]] 18
▶	Foreign highly-skilled personnel	are attracted to your country's business environment	7.85	Survey [010]	7
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	22,573	US\$	31
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	158,654	US\$	33
▶	Effective personal income tax rate	Percentage of an income equal to GDP per capita	0.00	%	1
	Justice	is fairly administered	7.91	Survey [010]] [4
\triangleright	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	89.72	micrograms	60

	Readiness		Value		2020 Rank
\triangleright	Labor force growth	Percentage change	.62	%	36
	Skilled labor	is readily available	.45	Survey [010]	19
	Finance skills	are readily available 7	.28	Survey [010]	17
▶	International experience	of senior managers is generally significant	.72	Survey [010]	5
▶	Competent senior managers	are readily available 7	.11	Survey [010]	6
	Primary and secondary education	meets the needs of a competitive economy	3.00	Survey [010]	9
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	.55	%	35
	University education	meets the needs of a competitive economy	3.11	Survey [010]	9
	Management education	meets the needs of the business community 7	.85	Survey [010]	7
	Language skills	are meeting the needs of enterprises 7	.85	Survey [010]	16
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	.17	number	20
\triangleright	Educational assessment - PISA	PISA survey of 15-year olds	413	Average	49

ROMANIA

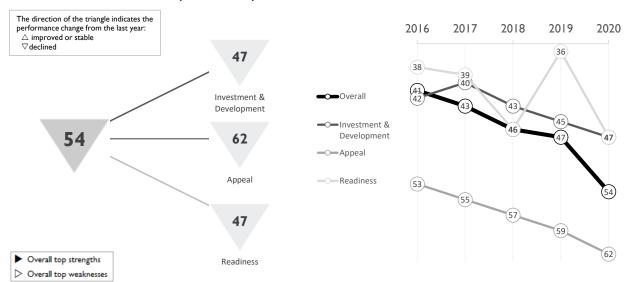


	Investment & Development		Value	e :	2020 Rank
	Total public expenditure on education	Percentage of GDP	3.2	%	51
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	2,146	US\$	45
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	19.33	ratio	49
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	12.08	ratio	31
\triangleright	Apprenticeships	are sufficiently implemented	3.11	Survey [010]	62
	Employee training	is a high priority in companies	5.35	Survey [010]	46
	Female labor force	Percentage of total labor force	42.64	%	49
	Health infrastructure	meets the needs of society	3.00	Survey [010]	57

Appeal		Value	!	2020 Rank
Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	61.90	index	3
Attracting and retaining talents	is a priority in companies	6.09	Survey [010]	48
Worker motivation	in companies is high	5.14	Survey [010]	52
▶ Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	2.71	Survey [010]	58
Quality of life	is high	4.49	Survey [010]	57
Foreign highly-skilled personnel	are attracted to your country's business environment	3.94	Survey [010]	49
Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	11,654	US\$	50
Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	95,295	US\$	50
Effective personal income tax rate	Percentage of an income equal to GDP per capita	26.31	%	56
Justice	is fairly administered	4.12	Survey [010]	47
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	14.61	micrograms	28

	Readiness		Value	2020 Rank
	Labor force growth	Percentage change	0.53 %	38
\triangleright	Skilled labor	is readily available	3.97 Su	urvey [010] 57
\triangleright	Finance skills	are readily available	4.44 Su	urvey [010] 60
	International experience	of senior managers is generally significant	4.76 Su	urvey [010] 53
	Competent senior managers	are readily available	3.91 Su	urvey [010] 56
	Primary and secondary education	meets the needs of a competitive economy	3.85 Su	urvey [010] 56
▶	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	28.77 %	. 12
	University education	meets the needs of a competitive economy	4.40 Su	urvey [010] 56
\triangleright	Management education	meets the needs of the business community	3.94 Su	urvey [010] 63
▶	Language skills	are meeting the needs of enterprises	7.38 Su	urvey [010] 23
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	1.49 nu	umber 44
	Educational assessment - PISA	PISA survey of 15-year olds	428 A	verage 45

RUSSIA

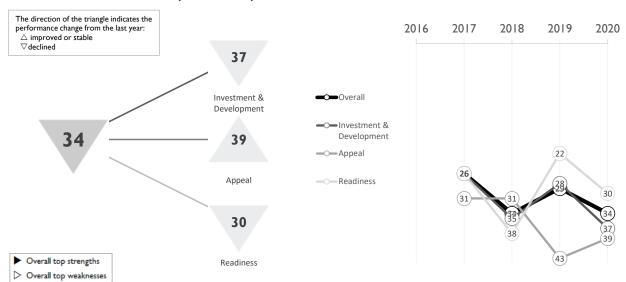


Investment & Development		Value	.	2020 Rank
Total public expenditure on education	Percentage of GDP	3.5	%	48
Total public exp. on education per student	Spending per enrolled pupil/student, all levels	1,993	US\$	48
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	22.93	ratio	54
Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	11.74	ratio	27
Apprenticeships	are sufficiently implemented	4.46	Survey [010]	51
Employee training	is a high priority in companies	5.00	Survey [010]	55
Female labor force	Percentage of total labor force	49.02	%	5
Health infrastructure	meets the needs of society	3.92	Survey [010]	50

	Appeal		Value	!	2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	96.20	index	51
\triangleright	Attracting and retaining talents	is a priority in companies	5.60	Survey [010]	59
\triangleright	Worker motivation	in companies is high	4.38	Survey [010]	60
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	2.78	Survey [010]	56
\triangleright	Quality of life	is high	3.90	Survey [010]	59
	Foreign highly-skilled personnel	are attracted to your country's business environment	3.44	Survey [010]	55
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	8,987	US\$	53
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	68,728	US\$	55
▶	Effective personal income tax rate	Percentage of an income equal to GDP per capita	11.33	%	17
	Justice	is fairly administered	3.20	Survey [010]	52
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	16.17	micrograms	31

Readiness		Value		2020 Rank
abor force growth	Percentage change	-1.04	%	59
killed labor	is readily available	6.46	Survey [010]	17
inance skills	are readily available	6.85	Survey [010]	21
nternational experience	of senior managers is generally significant	3.60	Survey [010]	61
Competent senior managers	are readily available	5.20	Survey [010]	44
rimary and secondary education	meets the needs of a competitive economy	5.60	Survey [010]	43
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	31.06	%	7
Iniversity education	meets the needs of a competitive economy	5.08	Survey [010]	50
1anagement education	meets the needs of the business community	5.18	Survey [010]	51
anguage skills	are meeting the needs of enterprises	4.10	Survey [010]	56
tudent mobility inbound	Foreign tertiary-level students per 1000 inhabitants	1.79	number	38
ducational assessment - PISA	PISA survey of 15-year olds	481	Average	30
	abor force growth killed labor inance skills international experience Competent senior managers rimary and secondary education iraduates in Sciences Iniversity education Itanagement education anguage skills tudent mobility inbound	abor force growth Percentage change killed labor is readily available are readily available of senior managers is generally significant competent senior managers are readily available rimary and secondary education meets the needs of a competitive economy firaduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences Iniversity education meets the needs of a competitive economy flanagement education meets the needs of the business community anguage skills are meeting the needs of enterprises tudent mobility inbound Foreign tertiary-level students per 1000 inhabitants	abor force growth Percentage change -1.04 killed labor is readily available 6.46 inance skills are readily available 6.85 international experience of senior managers is generally significant 3.60 competent senior managers are readily available 5.20 rimary and secondary education meets the needs of a competitive economy 5.60 inaduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences 31.06 liniversity education meets the needs of a competitive economy 5.08 danagement education meets the needs of the business community 5.18 anguage skills are meeting the needs of enterprises 4.10 tudent mobility inbound Foreign tertiary-level students per 1000 inhabitants 1.79	abor force growth Percentage change -1.04 % killed labor is readily available 6.46 Survey [010] inance skills are readily available 6.85 Survey [010] international experience of senior managers is generally significant 3.60 Survey [010] competent senior managers are readily available 5.20 Survey [010] competent senior managers are readily available 5.20 Survey [010] competent senior managers are readily available 5.20 Survey [010] competent senior managers are readily available 5.20 Survey [010] competent senior managers are readily available 5.20 Survey [010] competent senior managers are readily available 5.20 Survey [010] competent senior managers are readily available 5.20 Survey [010] competent senior managers are readily available 5.20 Survey [010] competent senior managers are readily available 5.20 Survey [010] competent senior managers are readily available 5.20 Survey [010] competent senior managers are readily available 5.20 Survey [010] competent senior managers are readily available 5.20 Survey [010] competent senior managers are readily available 5.20 Survey [010] competent senior managers are readily available 5.20 Survey [010] competent senior managers are readily available 5.20 Survey [010] competent senior managers are readily available 5.20 Survey [010] competent senior managers are readily available 5.20 Survey [010] competent senior managers are readily available 5.20 Survey [010] competent senior managers are readily available 6.85 Survey [010] competent senior managers are readily available 6.85 Survey [010] competent senior managers are readily available 6.85 Survey [010] competent senior managers are readily available 6.85 Survey [010] competent senior managers are readily available 6.85 Survey [010] competent senior managers are readily available 6.85 Survey [010] competent senior managers are readily available 6.85 Survey [010] competent senior managers are readily available 6.85 Survey [010] competent senior managers are readi

SAUDI ARABIA

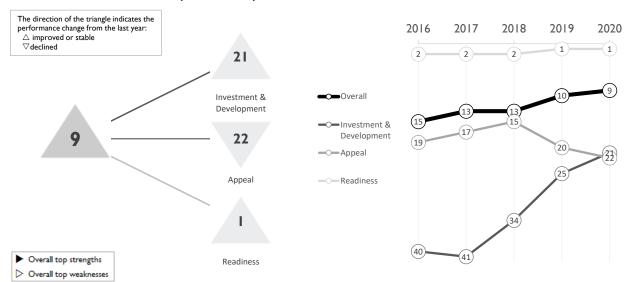


	Investment & Development		Value	. 2	2020 Rank
>	Total public expenditure on education	Percentage of GDP	7.1	%	4
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	6,622	US\$	27
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	13.81	ratio	27
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	11.30	ratio	22
•	Apprenticeships	are sufficiently implemented	6.14	Survey [010]	10
	Employee training	is a high priority in companies	6.03	Survey [010]	33
\triangleright	Female labor force	Percentage of total labor force	17.51	%	60
	Health infrastructure	meets the needs of society	7.62	Survey [010]	18

	Appeal		Value	!	2020 Rank
\triangleright	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	85.90	index	42
	Attracting and retaining talents	is a priority in companies	7.00	Survey [010]	26
	Worker motivation	in companies is high	5.91	Survey [010]	32
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	6.56	Survey [010]	14
	Quality of life	is high	7.66	Survey [010]	26
▶	Foreign highly-skilled personnel	are attracted to your country's business environment	7.14	Survey [010]	13
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	28,388	US\$	25
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	144,059	US\$	39
	Effective personal income tax rate	Percentage of an income equal to GDP per capita	12.12	%	18
	Justice	is fairly administered	7.49	Survey [010]	20
\triangleright	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	92.37	micrograms	62

	Readiness		Value		2020 Rank
▶	Labor force growth	Percentage change	2.60	%	4
	Skilled labor	is readily available	6.03	Survey [010]	29
	Finance skills	are readily available	6.74	Survey [010]	26
▶	International experience	of senior managers is generally significant	6.69	Survey [010]	- 11
	Competent senior managers	are readily available	6.51	Survey [010]	16
	Primary and secondary education	meets the needs of a competitive economy	6.43	Survey [010]	31
\triangleright	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	21.14	%	45
	University education	meets the needs of a competitive economy	6.79	Survey [010]	29
	Management education	meets the needs of the business community	6.94	Survey [010]	25
	Language skills	are meeting the needs of enterprises	6.80	Survey [010]	29
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	2.21	number	34
\triangleright	Educational assessment - PISA	PISA survey of 15-year olds	386	Average	56

SINGAPORE

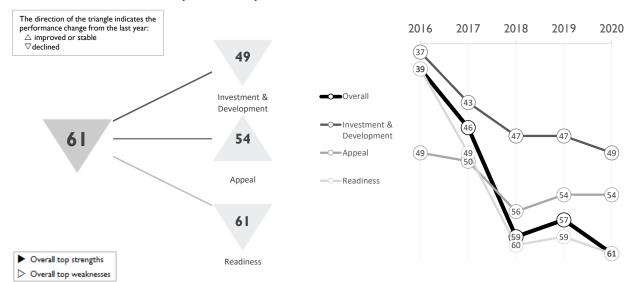


Investment & Development		Value		2020 Rank
Total public expenditure on education	Percentage of GDP	2.6	%	61
Total public exp. on education per student	Spending per enrolled pupil/student, all levels	13,453	US\$	9
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	14.33	ratio	28
Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	11.31	ratio	24
Apprenticeships	are sufficiently implemented	5.58	Survey [010]	24
Employee training	is a high priority in companies	6.82	Survey [010]	16
Female labor force	Percentage of total labor force	46.27	%	28
Health infrastructure	meets the needs of society	8.85	Survey [010]	4

	Appeal		Value	!	2020 Rank
\triangleright	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	110.10	index	57
	Attracting and retaining talents	is a priority in companies	7.58	Survey [010]	18
	Worker motivation	in companies is high	6.89	Survey [010]	17
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	6.95	Survey [010]	8
	Quality of life	is high	8.61	Survey [010]	16
	Foreign highly-skilled personnel	are attracted to your country's business environment	8.03	Survey [010]	5
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	-	US\$	-
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	299,993	US\$	4
\triangleright	Effective personal income tax rate	Percentage of an income equal to GDP per capita	18.79	%	34
	Justice	is fairly administered	8.39	Survey [010]	7
\triangleright	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	19.72	micrograms	44

	Readiness		Value		2020 Rank
	Labor force growth	Percentage change	1.77	%	15
▶	Skilled labor	is readily available	7.34	Survey [010]	3
	Finance skills	are readily available	7.68	Survey [010]	7
	International experience	of senior managers is generally significant	7.34	Survey [010]	7
	Competent senior managers	are readily available	7.00	Survey [010]	7
•	Primary and secondary education	meets the needs of a competitive economy	8.87	Survey [010]	2
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	33.48	%	4
▶	University education	meets the needs of a competitive economy	8.82	Survey [010]	3
▶	Management education	meets the needs of the business community	8.16	Survey [010]	3
	Language skills	are meeting the needs of enterprises	8.37	Survey [010]	П
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	9.18	number	4
•	Educational assessment - PISA	PISA survey of 15-year olds	556	Average	2

SLOVAK REPUBLIC

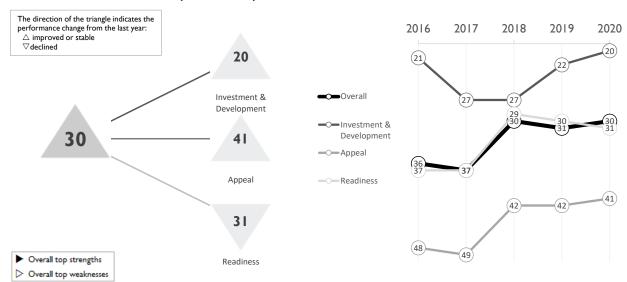


	Investment & Development		Value	!	2020 Rank
	Total public expenditure on education	Percentage of GDP	3.9	%	43
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	4,218	US\$	37
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	17.52	ratio	44
•	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	12.93	ratio	40
\triangleright	Apprenticeships	are sufficiently implemented	2.39	Survey [010]	63
	Employee training	is a high priority in companies	4.69	Survey [010]	62
•	Female labor force	Percentage of total labor force	45.24	%	36
	Health infrastructure	meets the needs of society	2.27	Survey [010]	60

	Appeal		Value		2020 Rank
▶	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	72.70	index	21
\triangleright	Attracting and retaining talents	is a priority in companies	4.90	Survey [010]	62
\triangleright	Worker motivation	in companies is high	3.73	Survey [010]	63
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	2.24	Survey [010]	61
	Quality of life	is high	4.72	Survey [010]	53
	Foreign highly-skilled personnel	are attracted to your country's business environment	2.33	Survey [010]	61
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	14,558	US\$	39
▶	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	182,711	US\$	27
	Effective personal income tax rate	Percentage of an income equal to GDP per capita	16.95	%	31
\triangleright	Justice	is fairly administered	1.61	Survey [010]	62
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	17.93	micrograms	41

	Value	<u>:</u>	2020 Rank
Percentage change	-0.17	%	50
is readily available	3.23	Survey [010]	59
are readily available	4.36	Survey [010]	61
of senior managers is generally significant	4.54	Survey [010]	58
are readily available	3.39	Survey [010]	60
meets the needs of a competitive economy	3.04	Survey [010]	61
% of graduates in ICT, Engineering, Math & Natural Sciences	22.07	%	40
meets the needs of a competitive economy	3.30	Survey [010]	62
meets the needs of the business community	4.62	Survey [010]	59
are meeting the needs of enterprises	4.42	Survey [010]	51
Foreign tertiary-level students per 1000 inhabitants	2.13	number	36
PISA survey of 15-year olds	469	Average	36
	Percentage change is readily available are readily available of senior managers is generally significant are readily available meets the needs of a competitive economy % of graduates in ICT, Engineering, Math & Natural Sciences meets the needs of a competitive economy meets the needs of the business community are meeting the needs of enterprises Foreign tertiary-level students per 1000 inhabitants PISA survey of 15-year olds	Percentage change -0.17 is readily available 3.23 are readily available 4.36 of senior managers is generally significant 4.54 are readily available 3.39 meets the needs of a competitive economy 3.04 % of graduates in ICT, Engineering, Math & Natural Sciences 22.07 meets the needs of a competitive economy 3.30 meets the needs of the business community 4.62 are meeting the needs of enterprises 4.42 Foreign tertiary-level students per 1000 inhabitants 2.13	is readily available 3.23 Survey [0.10] are readily available 4.36 Survey [0.10] of senior managers is generally significant 4.54 Survey [0.10] are readily available 3.39 Survey [0.10] meets the needs of a competitive economy 3.04 Survey [0.10] % of graduates in ICT, Engineering, Math & Natural Sciences 22.07 % meets the needs of a competitive economy 3.30 Survey [0.10] meets the needs of the business community 4.62 Survey [0.10] are meeting the needs of enterprises 4.42 Survey [0.10] Foreign tertiary-level students per 1000 inhabitants

SLOVENIA

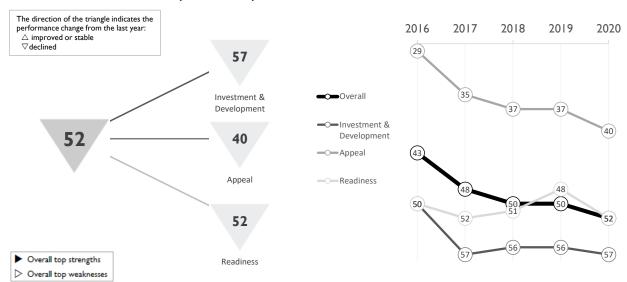


	Investment & Development		Value	!	2020 Rank
	Total public expenditure on education	Percentage of GDP	4.9	%	26
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	6,468	US\$	28
•	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	10.34	ratio	6
>	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	9.27	ratio	9
\triangleright	Apprenticeships	are sufficiently implemented	3.30	Survey [010]	60
	Employee training	is a high priority in companies	6.67	Survey [010]	18
	Female labor force	Percentage of total labor force	46.09	%	31
	Health infrastructure	meets the needs of society	5.44	Survey [010]	39

	Appeal		Value	!	2020 Rank
▶	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	70.00	index	17
	Attracting and retaining talents	is a priority in companies	6.64	Survey [010]	36
	Worker motivation	in companies is high	5.87	Survey [010]	34
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	4.46	Survey [010]	42
	Quality of life	is high	8.52	Survey [010]	17
\triangleright	Foreign highly-skilled personnel	are attracted to your country's business environment	3.70	Survey [010]	53
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	23,443	US\$	30
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	133,045	US\$	41
\triangleright	Effective personal income tax rate	Percentage of an income equal to GDP per capita	26.78	%	58
	Justice	is fairly administered	4.77	Survey [010]	43
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	16.25	micrograms	33

	Readiness		Value	2020 Ran
\triangleright	Labor force growth	Percentage change	-0.51 %	54
	Skilled labor	is readily available	5.91 Su	ırvey [010] 34
	Finance skills	are readily available	6.06 Su	urvey [010] 4
	International experience	of senior managers is generally significant	5.33 Su	urvey [010] 42
\triangleright	Competent senior managers	are readily available	5.08 Su	urvey [010] 46
	Primary and secondary education	meets the needs of a competitive economy	7.07 Su	rvey [010] 2
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	27.23 %	19
	University education	meets the needs of a competitive economy	6.65 Su	ırvey [010] 30
	Management education	meets the needs of the business community	7.02 Su	urvey [010] 22
▶	Language skills	are meeting the needs of enterprises	8.33 Su	ırvey [010] 12
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	1.65 nu	umber 40
▶	Educational assessment - PISA	PISA survey of 15-year olds	504 A	verage 12

SOUTH AFRICA

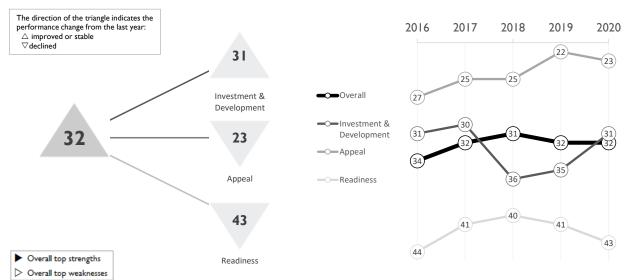


Investment & Development		Value	2020 Rank
Total public expenditure on education	Percentage of GDP	8.3	% I
Total public exp. on education per stude	nt Spending per enrolled pupil/student, all levels	2,053	US\$ 47
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	30.33	ratio 60
Pupil-teacher ratio (secondary education)) Ratio of students to teaching staff	27.62	ratio 60
Apprenticeships	are sufficiently implemented	3.31	Survey [010] 59
Employee training	is a high priority in companies	4.90	Survey [010] 57
Female labor force	Percentage of total labor force	45.43	% 35
Health infrastructure	meets the needs of society	2.70	Survey [010] 59

	Appeal		Value	!	2020 Rank
•	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	61.30	index	2
	Attracting and retaining talents	is a priority in companies	5.98	Survey [010]	52
\triangleright	Worker motivation	in companies is high	4.00	Survey [010]	61
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	3.19	Survey [010]	55
	Quality of life	is high	4.70	Survey [010]	55
	Foreign highly-skilled personnel	are attracted to your country's business environment	4.67	Survey [010]	44
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	17,757	US\$	35
\triangleright	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	46,502	US\$	59
▶	Effective personal income tax rate	Percentage of an income equal to GDP per capita	1.68	%	3
	Justice	is fairly administered	5.31	Survey [010]	37
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	24.96	micrograms	52

	Readiness		Value	2	2020 Rank
▶	Labor force growth	Percentage change	2.11	%	П
	Skilled labor	is readily available	4.11	Survey [010]	55
	Finance skills	are readily available	5.26	Survey [010]	54
	International experience	of senior managers is generally significant	4.66	Survey [010]	55
	Competent senior managers	are readily available	4.72	Survey [010]	52
\triangleright	Primary and secondary education	meets the needs of a competitive economy	3.23	Survey [010]	60
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	18.28	%	55
	University education	meets the needs of a competitive economy	4.83	Survey [010]	53
	Management education	meets the needs of the business community	5.41	Survey [010]	49
	Language skills	are meeting the needs of enterprises	6.02	Survey [010]	40
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	0.73	number	51
	Educational assessment - PISA	PISA survey of 15-year olds	-	Average	-

SPAIN

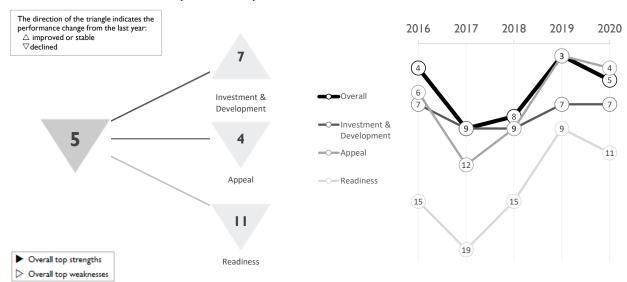


Value	2020 Rank
4.0	% 41
5,763	US\$ 30
13.61	ratio 25
11.16	ratio 20
4.37	Survey [010] 53
5.04	Survey [010] 54
46.70	% 25
8.03	Survey [010] 13
	4.0 5,763 13.61 11.16 4.37 5.04 46.70

	Appeal		Value	!	2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	81.30	index	34
\triangleright	Attracting and retaining talents	is a priority in companies	5.65	Survey [010]	57
	Worker motivation	in companies is high	5.39	Survey [010]	49
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	4.64	Survey [010]	39
	Quality of life	is high	8.28	Survey [010]	20
	Foreign highly-skilled personnel	are attracted to your country's business environment	6.14	Survey [010]	23
▶	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	36,803	US\$	20
▶	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	212,822	US\$	19
	Effective personal income tax rate	Percentage of an income equal to GDP per capita	14.63	%	28
	Justice	is fairly administered	5.08	Survey [010]	39
▶	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	9.91	micrograms	12

	Readiness		Value	2	2020 Rank
	Labor force growth	Percentage change	0.97	%	27
	Skilled labor	is readily available	5.65	Survey [010]	39
	Finance skills	are readily available	6.02	Survey [010]	43
	International experience	of senior managers is generally significant	5.07	Survey [010]	46
\triangleright	Competent senior managers	are readily available	4.80	Survey [010]	51
	Primary and secondary education	meets the needs of a competitive economy	5.63	Survey [010]	42
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	22.27	%	38
	University education	meets the needs of a competitive economy	5.60	Survey [010]	44
	Management education	meets the needs of the business community	6.78	Survey [010]	28
\triangleright	Language skills	are meeting the needs of enterprises	4.31	Survey [010]	52
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	1.52	number	43
	Educational assessment - PISA	PISA survey of 15-year olds	-	Average	-

SWEDEN

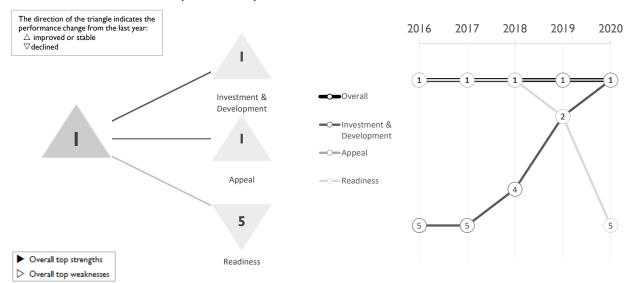


	Investment & Development		Value	2	2020 Rank
▶	Total public expenditure on education	Percentage of GDP	6.9	%	5
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	13,947	US\$	8
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	13.65	ratio	26
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	12.32	ratio	34
\triangleright	Apprenticeships	are sufficiently implemented	4.73	Survey [010]	43
	Employee training	is a high priority in companies	7.06	Survey [010]	П
	Female labor force	Percentage of total labor force	47.58	%	14
	Health infrastructure	meets the needs of society	7.08	Survey [010]	26

Appeal		Value		2020 Rank
Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	76.90	index	27
Attracting and retaining talents	is a priority in companies	7.87	Survey [010]	8
Worker motivation	in companies is high	7.51	Survey [010]	4
Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	7.09	Survey [010]	7
Quality of life	is high	9.40	Survey [010]	5
Foreign highly-skilled personnel	are attracted to your country's business environment	6.21	Survey [010]	21
Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	51,960	US\$	7
Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	224,486	US\$	17
Effective personal income tax rate	Percentage of an income equal to GDP per capita	24.35	%	51
Justice	is fairly administered	8.31	Survey [010]	10
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	6.13	micrograms	3

Readiness		Value	9	2020 Rank
Labor force growth	Percentage change	1.18	%	23
Skilled labor	is readily available	6.62	Survey [010]	12
Finance skills	are readily available	7.45	Survey [010]] 13
International experience	of senior managers is generally significant	7.06	Survey [010]	8
Competent senior managers	are readily available	6.88	Survey [010]	j 8
Primary and secondary education	meets the needs of a competitive economy	7.90	Survey [010]] []
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	26.64	%	23
University education	meets the needs of a competitive economy	8.16	Survey [010]	7
Management education	meets the needs of the business community	7.77	Survey [010]	10
Language skills	are meeting the needs of enterprises	8.75	Survey [010]	6
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	3.02	number	28
Educational assessment - PISA	PISA survey of I5-year olds	503	Average	15

SWITZERLAND

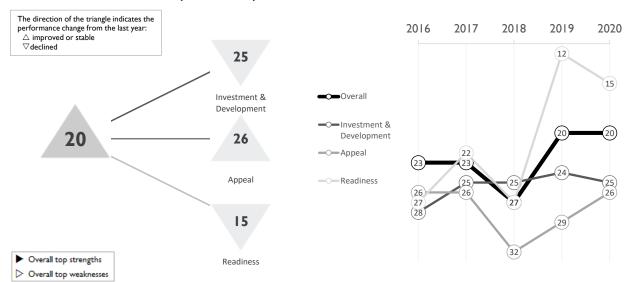


	Investment & Development		Value	9	2020 Rank
	Total public expenditure on education	Percentage of GDP	5.6	%	13
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	24,292	US\$	2
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	15.22	ratio	31
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	11.91	ratio	30
▶	Apprenticeships	are sufficiently implemented	8.86	Survey [010]	I
	Employee training	is a high priority in companies	7.31	Survey [010]	6
	Female labor force	Percentage of total labor force	46.88	%	21
	Health infrastructure	meets the needs of society	8.91	Survey [010]	2

	Appeal		Value	!	2020 Rank
\triangleright	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	111.60	index	58
	Attracting and retaining talents	is a priority in companies	7.48	Survey [010]	21
	Worker motivation	in companies is high	7.60	Survey [010]	3
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	7.80	Survey [010]	2
	Quality of life	is high	9.66	Survey [010]	3
▶	Foreign highly-skilled personnel	are attracted to your country's business environment	8.90	Survey [010]	I
▶	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	81,614	US\$	I
▶	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	460,999	US\$	I
	Effective personal income tax rate	Percentage of an income equal to GDP per capita	12.71	%	21
	Justice	is fairly administered	8.58	Survey [010]	4
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	10.44	micrograms	15

	Readiness		Value		2020 Rank
\triangleright	Labor force growth	Percentage change	0.32	%	43
	Skilled labor	is readily available	7.06	Survey [010]	7
	Finance skills	are readily available	8.07	Survey [010]	3
▶	International experience	of senior managers is generally significant	7.83	Survey [010]	I
	Competent senior managers	are readily available	7.14	Survey [010]	5
	Primary and secondary education	meets the needs of a competitive economy	8.84	Survey [010]	3
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	25.21	%	30
	University education	meets the needs of a competitive economy	9.05	Survey [010]	I
	Management education	meets the needs of the business community	8.59	Survey [010]	I
	Language skills	are meeting the needs of enterprises	8.77	Survey [010]	5
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	6.40	number	8
	Educational assessment - PISA	PISA survey of 15-year olds	498	Average	21

TAIWAN, CHINA

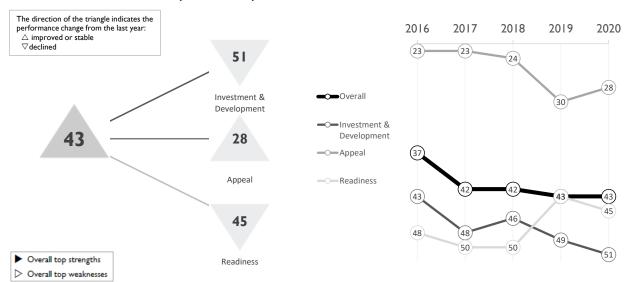


	Investment & Development		Value	. 1	2020 Rank
\triangleright	Total public expenditure on education	Percentage of GDP	3.7	%	45
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	5,223	US\$	33
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	12.10	ratio	16
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	12.90	ratio	39
	Apprenticeships	are sufficiently implemented	5.86	Survey [010]	15
	Employee training	is a high priority in companies	6.99	Survey [010]	12
	Female labor force	Percentage of total labor force	44.49	%	40
▶	Health infrastructure	meets the needs of society	8.77	Survey [010]	5

Appeal		Value	<u>:</u>	2020 Rank
Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	89.70	index	48
Attracting and retaining talents	is a priority in companies	6.73	Survey [010]	34
► Worker motivation	in companies is high	7.21	Survey [010]	8
▶ Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	3.94	Survey [010]	48
Quality of life	is high	7.98	Survey [010]	22
Foreign highly-skilled personnel	are attracted to your country's business environment	4.59	Survey [010]	47
Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	26,500	US\$	27
Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	185,939	US\$	25
► Effective personal income tax rate	Percentage of an income equal to GDP per capita	5.77	%	9
Justice	is fairly administered	5.94	Survey [010]	31
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	18.30	micrograms	43

	Value	2	2020 Rank
Percentage change	0.61	%	37
is readily available	6.18	Survey [010]	24
are readily available	6.80	Survey [010]	24
of senior managers is generally significant	5.72	Survey [010]	34
are readily available	5.92	Survey [010]	28
meets the needs of a competitive economy	7.54	Survey [010]	19
% of graduates in ICT, Engineering, Math & Natural Sciences	32.85	%	5
meets the needs of a competitive economy	6.89	Survey [010]	27
meets the needs of the business community	6.81	Survey [010]	27
are meeting the needs of enterprises	6.28	Survey [010]	33
Foreign tertiary-level students per 1000 inhabitants	5.48	number	13
PISA survey of 15-year olds	516	Average	8
	is readily available are readily available of senior managers is generally significant are readily available meets the needs of a competitive economy % of graduates in ICT, Engineering, Math & Natural Sciences meets the needs of a competitive economy meets the needs of the business community are meeting the needs of enterprises Foreign tertiary-level students per 1000 inhabitants	Percentage change 0.61 is readily available 6.18 are readily available 6.80 of senior managers is generally significant 5.72 are readily available 5.92 meets the needs of a competitive economy 7.54 % of graduates in ICT, Engineering, Math & Natural Sciences 32.85 meets the needs of a competitive economy 6.89 meets the needs of the business community 6.81 are meeting the needs of enterprises 6.28 Foreign tertiary-level students per 1000 inhabitants 5.48	is readily available 6.18 Survey [0.10] are readily available 6.80 Survey [0.10] of senior managers is generally significant 5.72 Survey [0.10] are readily available 5.92 Survey [0.10] meets the needs of a competitive economy 7.54 Survey [0.10] % of graduates in ICT, Engineering, Math & Natural Sciences 32.85 % meets the needs of a competitive economy 6.89 Survey [0.10] meets the needs of the business community 6.81 Survey [0.10] are meeting the needs of enterprises 6.28 Survey [0.10] Foreign tertiary-level students per 1000 inhabitants 5.48 number

THAILAND

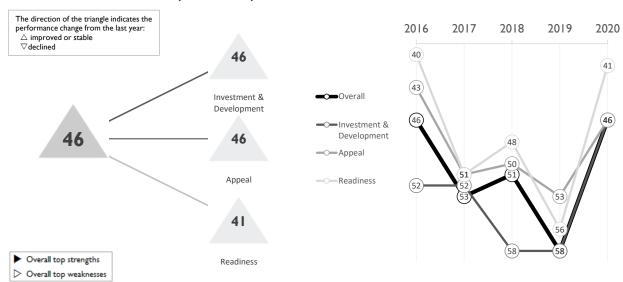


	Investment & Development		Value		2020 Rank
\triangleright	Total public expenditure on education	Percentage of GDP	3.0	%	57
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	1,167	US\$	52
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	16.89	ratio	42
\triangleright	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	25.95	ratio	59
▶	Apprenticeships	are sufficiently implemented	5.77	Survey [010]	17
	Employee training	is a high priority in companies	6.33	Survey [010]	25
	Female labor force	Percentage of total labor force	45.53	%	34
	Health infrastructure	meets the needs of society	7.51	Survey [010]	22

	Appeal		Value	2	2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	83.60	index	39
	Attracting and retaining talents	is a priority in companies	6.98	Survey [010]] 27
	Worker motivation	in companies is high	6.22	Survey [010]] 27
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	5.63	Survey [010]] 26
	Quality of life	is high	6.45	Survey [010]] 38
Þ	Foreign highly-skilled personnel	are attracted to your country's business environment	6.86	Survey [010]] 16
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	12,681	US\$	44
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	184,089	US\$	26
▶	Effective personal income tax rate	Percentage of an income equal to GDP per capita	4.09	%	5
	Justice	is fairly administered	5.96	Survey [010]] 30
\triangleright	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	26.34	micrograms	55

	Readiness		Value		2020 Rank
\triangleright	Labor force growth	Percentage change	-0.67	%	55
	Skilled labor	is readily available	6.29	Survey [010]	21
	Finance skills	are readily available	6.37	Survey [010]	37
\blacktriangleright	International experience	of senior managers is generally significant	6.33	Survey [010]	15
	Competent senior managers	are readily available	6.29	Survey [010]	20
	Primary and secondary education	meets the needs of a competitive economy	5.80	Survey [010]	39
▶	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	27.86	%	16
	University education	meets the needs of a competitive economy	5.96	Survey [010]	38
	Management education	meets the needs of the business community	6.45	Survey [010]	34
	Language skills	are meeting the needs of enterprises	5.02	Survey [010]	47
\triangleright	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	0.48	number	53
	Educational assessment - PISA	PISA survey of 15-year olds	412	Average	50

TURKEY

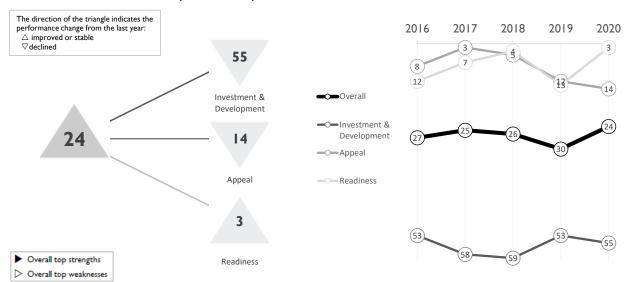


	Investment & Development		Value		2020 Rank
	Total public expenditure on education	Percentage of GDP	4.2	%	39
\triangleright	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	1,275	US\$	51
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	17.18	ratio	43
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	14.09	ratio	46
▶	Apprenticeships	are sufficiently implemented	5.60	Survey [010]	21
	Employee training	is a high priority in companies	5.60	Survey [010]	42
\triangleright	Female labor force	Percentage of total labor force	32.83	%	57
▶	Health infrastructure	meets the needs of society	6.98	Survey [010]	27

Appeal		Value	!	2020 Rank
Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	64.50	index	7
Attracting and retaining talents	is a priority in companies	6.65	Survey [010]	35
Worker motivation	in companies is high	5.85	Survey [010]	36
Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	4.69	Survey [010]	38
Quality of life	is high	5.63	Survey [010]	45
Foreign highly-skilled personnel	are attracted to your country's business environment	4.40	Survey [010]	48
Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	8,368	US\$	54
Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	147,309	US\$	37
Effective personal income tax rate	Percentage of an income equal to GDP per capita	20.43	%	39
Justice	is fairly administered	4.11	Survey [010]	48
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	21.82	micrograms	50

Readiness		Value		2020 Rank
Labor force growth	Percentage change	0.85	%	33
Skilled labor	is readily available	6.44	Survey [010]	20
Finance skills	are readily available	6.62	Survey [010]	27
International experience	of senior managers is generally significant	5.89	Survey [010]	28
Competent senior managers	are readily available	6.15	Survey [010]	23
Primary and secondary education	meets the needs of a competitive economy	5.16	Survey [010]	47
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	9.44	%	48
University education	meets the needs of a competitive economy	5.45	Survey [010]	46
Management education	meets the needs of the business community	6.07	Survey [010]	43
Language skills	are meeting the needs of enterprises	5.38	Survey [010]	44
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	1.53	number	42
Educational assessment - PISA	PISA survey of 15-year olds	462	Average	39
	Labor force growth Skilled labor Finance skills International experience Competent senior managers Primary and secondary education Graduates in Sciences University education Management education Language skills Student mobility inbound	Labor force growth Percentage change Skilled labor is readily available is readily available International experience of senior managers is generally significant competent senior managers are readily available remains are readily available primary and secondary education meets the needs of a competitive economy Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences University education meets the needs of a competitive economy meets the needs of a competitive economy anagement education meets the needs of the business community Language skills are meeting the needs of enterprises Student mobility inbound Foreign tertiary-level students per 1000 inhabitants	Labor force growth Percentage change 0.85 Skilled labor is readily available 6.44 Finance skills are readily available 6.62 International experience of senior managers is generally significant 5.89 Competent senior managers are readily available 6.15 Primary and secondary education meets the needs of a competitive economy 5.16 Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences 19.44 University education meets the needs of a competitive economy 5.45 Management education meets the needs of the business community 6.07 Language skills are meeting the needs of enterprises 5.38 Student mobility inbound Foreign tertiary-level students per 1000 inhabitants 1.53	Labor force growth Percentage change 0.85 % Skilled labor is readily available 6.44 Survey [0.10] Finance skills are readily available 6.62 Survey [0.10] International experience of senior managers is generally significant 5.89 Survey [0.10] Competent senior managers are readily available 6.15 Survey [0.10] Primary and secondary education meets the needs of a competitive economy 5.16 Survey [0.10] Graduates in Sciences % of graduates in ICT, Engineering, Math & Natural Sciences 19.44 % University education meets the needs of a competitive economy 5.45 Survey [0.10] Management education meets the needs of the business community 6.07 Survey [0.10] Language skills are meeting the needs of enterprises 5.38 Survey [0.10] Student mobility inbound Foreign tertiary-level students per 1000 inhabitants 1.53 number

UAE

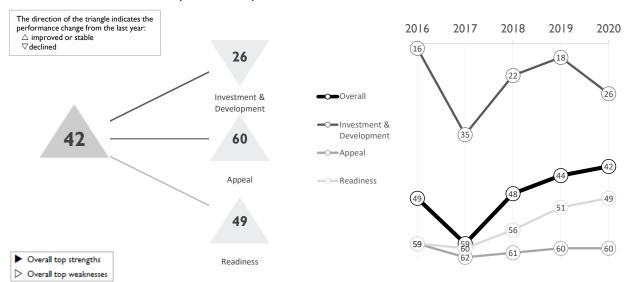


	Investment & Development		Value	e :	2020 Rank
\triangleright	Total public expenditure on education	Percentage of GDP	2.0	%	62
	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	4,635	US\$	35
\triangleright	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	23.20	ratio	55
	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	9.40	ratio	П
	Apprenticeships	are sufficiently implemented	6.74	Survey [010]	6
	Employee training	is a high priority in companies	6.90	Survey [010]	14
\triangleright	Female labor force	Percentage of total labor force	24.71	%	58
	Health infrastructure	meets the needs of society	8.13	Survey [010]	12

Appeal		Value	!	2020 Rank
Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	90.30	index	49
Attracting and retaining talents	is a priority in companies	7.36	Survey [010]	24
Worker motivation	in companies is high	7.13	Survey [010]	12
► Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	7.61	Survey [010]	3
Quality of life	is high	8.67	Survey [010]	15
Foreign highly-skilled personnel	are attracted to your country's business environment	8.18	Survey [010]	3
Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	32,449	US\$	24
Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	241,787	US\$	15
Effective personal income tax rate	Percentage of an income equal to GDP per capita	4.64	%	6
Justice	is fairly administered	8.28	Survey [010]	11
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	40.65	micrograms	57

	Readiness		Value		2020 Rank
	Labor force growth	Percentage change	2.21	%	8
\blacktriangleright	Skilled labor	is readily available	7.38	Survey [010]	2
	Finance skills	are readily available	7.59	Survey [010]	9
▶	International experience	of senior managers is generally significant	7.79	Survey [010]	2
▶	Competent senior managers	are readily available	7.56	Survey [010]	I
	Primary and secondary education	meets the needs of a competitive economy	8.23	Survey [010]	6
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	27.73	%	17
	University education	meets the needs of a competitive economy	7.41	Survey [010]	21
	Management education	meets the needs of the business community	7.46	Survey [010]	16
	Language skills	are meeting the needs of enterprises	8.44	Survey [010]	8
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	8.49	number	6
	Educational assessment - PISA	PISA survey of 15-year olds	433	Average	43

UKRAINE

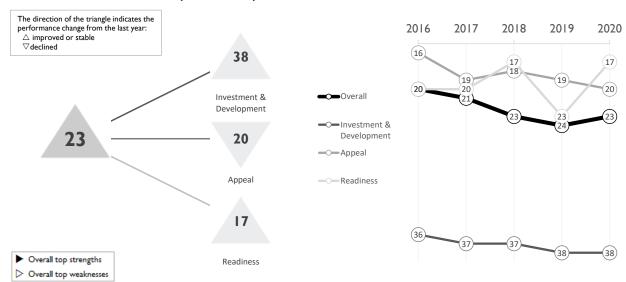


Investment & Development		Value	2020 Rank
Total public expenditure on education	Percentage of GDP	5.9 %	
Total public exp. on education per student	Spending per enrolled pupil/student, all levels	1,123 US\$	54
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	12.98 ratio	20
► Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	7.34 ratio	2
Apprenticeships	are sufficiently implemented	5.00 Surv	ey [010] 33
Employee training	is a high priority in companies	5.40 Surv	ey [010] 45
Female labor force	Percentage of total labor force	47.67 %	12
> Health infrastructure	meets the needs of society	1.59 Surve	ey [010] 62

	Appeal		Value	!	2020 Rank
▶	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	62.30	index	5
	Attracting and retaining talents	is a priority in companies	6.16	Survey [010]	47
	Worker motivation	in companies is high	5.10	Survey [010]	53
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	2.43	Survey [010]	59
\triangleright	Quality of life	is high	2.63	Survey [010]	62
	Foreign highly-skilled personnel	are attracted to your country's business environment	2.93	Survey [010]	59
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	3,311	US\$	59
\triangleright	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	28,071	US\$	60
	Effective personal income tax rate	Percentage of an income equal to GDP per capita	13.28	%	23
\triangleright	Justice	is fairly administered	2.11	Survey [010]	61
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	20.70	micrograms	46

Readiness		Value	!	2020 Rank
Labor force growth	Percentage change	1.21	%	22
Skilled labor	is readily available	5.70	Survey [010]	36
Finance skills	are readily available	6.05	Survey [010]	42
International experience	of senior managers is generally significant	4.11	Survey [010]	60
Competent senior managers	are readily available	4.89	Survey [010]	49
Primary and secondary education	meets the needs of a competitive economy	4.49	Survey [010]	49
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	25.28	%	29
> University education	meets the needs of a competitive economy	4.08	Survey [010]	60
Management education	meets the needs of the business community	5.03	Survey [010]	54
Language skills	are meeting the needs of enterprises	4.22	Survey [010]	54
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	1.18	number	49
Educational assessment - PISA	PISA survey of 15-year olds	463	Average	38

UNITED KINGDOM

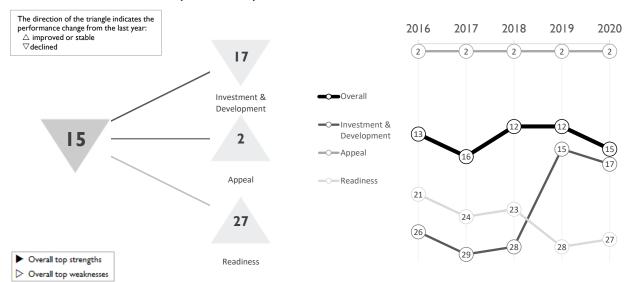


nt	Value	2020 Rank
ation Percentage of GDP	4.8	% 27
r student Spending per enrolled pupil/student, all levels	9,052	US\$ 20
ation) Ratio of students to teaching staff	19.89	ratio 52
ucation) Ratio of students to teaching staff	17.08	ratio 51
are sufficiently implemented	5.24	Survey [010] 30
is a high priority in companies	5.65	Survey [010] 41
Percentage of total labor force	47.16	% 18
meets the needs of society	5.97	Survey [010] 35
	ation Percentage of GDP r student Spending per enrolled pupil/student, all levels ation) Ratio of students to teaching staff ucation) Ratio of students to teaching staff are sufficiently implemented is a high priority in companies Percentage of total labor force	ation Percentage of GDP 4.8 r student Spending per enrolled pupil/student, all levels 9,052 ation) Ratio of students to teaching staff 19.89 ucation) Ratio of students to teaching staff 17.08 are sufficiently implemented 5.24 is a high priority in companies 5.65 Percentage of total labor force 47.16

	Appeal		Value	!	2020 Rank
\triangleright	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	94.20	index	50
	Attracting and retaining talents	is a priority in companies	6.79	Survey [010]	32
	Worker motivation	in companies is high	6.06	Survey [010]	29
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	6.38	Survey [010]	16
	Quality of life	is high	7.22	Survey [010]	29
	Foreign highly-skilled personnel	are attracted to your country's business environment	6.61	Survey [010]	18
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	39,774	US\$	17
Þ	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	250,925	US\$	13
	Effective personal income tax rate	Percentage of an income equal to GDP per capita	20.07	%	37
Þ	Justice	is fairly administered	7.91	Survey [010]	15
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	10.44	micrograms	16

	Readiness		Value		2020 Rank
	Labor force growth	Percentage change	0.78	%	35
	Skilled labor	is readily available	6.03	Survey [010]	28
\blacktriangleright	Finance skills	are readily available	7.44	Survey [010]	14
	International experience	of senior managers is generally significant	6.24	Survey [010]	18
	Competent senior managers	are readily available	6.53	Survey [010]	15
	Primary and secondary education	meets the needs of a competitive economy	6.62	Survey [010]	27
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	26.91	%	21
	University education	meets the needs of a competitive economy	7.62	Survey [010]	17
	Management education	meets the needs of the business community	7.13	Survey [010]	19
\triangleright	Language skills	are meeting the needs of enterprises	5.44	Survey [010]	43
\blacktriangleright	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	6.80	number	7
▶	Educational assessment - PISA	PISA survey of 15-year olds	503	Average	13

USA

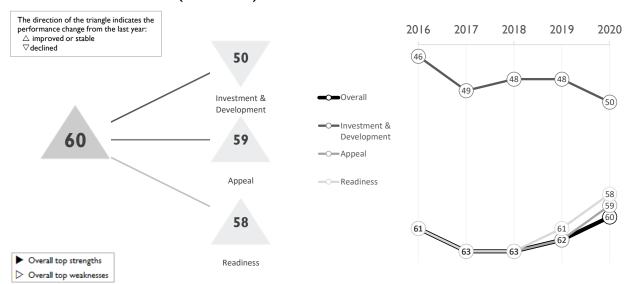


	Investment & Development		Value		2020 Rank
	Total public expenditure on education	Percentage of GDP	5.9	%	10
▶	Total public exp. on education per student	Spending per enrolled pupil/student, all levels	15,560	US\$	5
	Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	15.22	ratio	32
\triangleright	Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	15.13	ratio	48
\triangleright	Apprenticeships	are sufficiently implemented	4.22	Survey [010]	54
	Employee training	is a high priority in companies	5.68	Survey [010]	40
	Female labor force	Percentage of total labor force	46.99	%	19
\triangleright	Health infrastructure	meets the needs of society	5.11	Survey [010]	41

	Appeal		Value	!	2020 Rank
\triangleright	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	100.00	index	54
•	Attracting and retaining talents	is a priority in companies	7.96	Survey [010]	6
	Worker motivation	in companies is high	6.47	Survey [010]	19
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	6.75	Survey [010]	10
	Quality of life	is high	7.96	Survey [010]	23
▶	Foreign highly-skilled personnel	are attracted to your country's business environment	8.24	Survey [010]	2
▶	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	59,616	US\$	4
▶	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	391,787	US\$	2
	Effective personal income tax rate	Percentage of an income equal to GDP per capita	13.34	%	24
	Justice	is fairly administered	6.61	Survey [010]	23
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	7.36	micrograms	8

Readiness		Value	2	2020 Rank
Labor force growth	Percentage change	0.90	%	28
Skilled labor	is readily available	6.15	Survey [010]	25
Finance skills	are readily available	7.55	Survey [010]	10
International experience	of senior managers is generally significant	5.81	Survey [010]	31
Competent senior managers	are readily available	6.74	Survey [010]	
Primary and secondary education	meets the needs of a competitive economy	6.28	Survey [010]	32
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	19.02	%	51
University education	meets the needs of a competitive economy	7.57	Survey [010]	18
Management education	meets the needs of the business community	7.63	Survey [010]	14
Language skills	are meeting the needs of enterprises	6.11	Survey [010]	36
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	3.02	number	29
Educational assessment - PISA	PISA survey of 15-year olds	495	Average	24

VENEZUELA



Investment & Development		Value	2020 Rank
Total public expenditure on education	Percentage of GDP	- %	-
Total public exp. on education per student	Spending per enrolled pupil/student, all levels	- US\$	-
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff	- ratio	-
Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff	- ratio	-
Apprenticeships	are sufficiently implemented	4.80 Survey [010]	39
Employee training	is a high priority in companies	5.18 Survey [010]	48
Female labor force	Percentage of total labor force	42.75 %	48
Health infrastructure	meets the needs of society	0.76 Survey [010]	63

	Appeal		Value	!	2020 Rank
	Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)	-	index	-
	Attracting and retaining talents	is a priority in companies	6.80	Survey [010]	31
	Worker motivation	in companies is high	4.44	Survey [010]	59
	Brain drain	(well-educated and skilled people) does not hinder competitiveness in your economy	2.12	Survey [010]	62
\triangleright	Quality of life	is high	1.43	Survey [010]	63
\triangleright	Foreign highly-skilled personnel	are attracted to your country's business environment	1.14	Survey [010]	63
	Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$	-	US\$	-
	Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$	23,610	US\$	61
▶	Effective personal income tax rate	Percentage of an income equal to GDP per capita	0.98	%	2
\triangleright	Justice	is fairly administered	0.45	Survey [010]	63
	Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre	17.40	micrograms	38

	Readiness		Value		2020 Rank
▶	Labor force growth	Percentage change	1.09	%	24
	Skilled labor	is readily available	3.20	Survey [010]	60
	Finance skills	are readily available	4.56	Survey [010]	59
	International experience	of senior managers is generally significant	4.56	Survey [010]	57
	Competent senior managers	are readily available	3.40	Survey [010]	59
\triangleright	Primary and secondary education	meets the needs of a competitive economy	2.32	Survey [010]	63
	Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences	-	%	-
	University education	meets the needs of a competitive economy	4.36	Survey [010]	57
	Management education	meets the needs of the business community	5.04	Survey [010]	53
	Language skills	are meeting the needs of enterprises	3.80	Survey [010]	58
	Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants	-	number	-
	Educational assessment - PISA	PISA survey of 15-year olds	-	Average	-

The IMD World Talent Ranking methodology

I. The structure of the IMD World Talent Ranking

The ranking is structured according to three factors:

- 1) investment and development
- 2) appeal
- 3) readiness

The first factor takes into account the investment in and development of home-grown talent. It traces the size of public investment on education by incorporating an indicator of public expenditure. It also looks at the quality of education through indicators related to pupil-teacher ratios. The development of talent is covered by variables related to the implementation of apprenticeship and the priority of employee training for companies. It also looks at the development of the female labor force. In addition, this factor takes into account the quality of the health infrastructure in terms of meeting the health needs of society.

The appeal factor goes beyond the focus on the local labor force to incorporate the ability of a country to tap into the overseas talent pool. It does so by including indicators such as the cost of living and quality of life in a particular economy. Specifically, it examines the ability of a country to attract highly skilled foreign labor. In addition, it assesses the way enterprises prioritize the attraction and retention of talent. Another component of this factor evaluates the impact of brain drain on the competitiveness of countries. It also takes into account the level of worker motivation. Salary and taxation levels are important for an economy to be able to maintain an effective flow of talent. The appeal factor thus considers remuneration at the management and

services professions levels and personal income tax rates. This factor also incorporates measures of personal security and the protection of private property rights because they play a key role in increasing the attractiveness of a particular economy.

The success of the investment in and development of talent and the ability to attract and retain talent is reflected in the availability of skills and competencies to sustain an economy's talent pool. The readiness factor looks at the context of the talent pool. It considers the growth of the labor force and the quality of the skills available. It also takes into consideration the experience and competencies of the existing senior managers' pool. In addition, the readiness factor focuses, on the ability of the educational system to meet the talent needs of enterprises. It examines the way in which the educational system fulfils the talent demands of the economy, the ability of higher education to meet that demand and the languages skills available. Finally, it considers the mobility of students (inbound) and educational assessment (PISA).

Such a comprehensive set of criteria enables us to observe how countries perform in terms of sustaining their talent pool. In developing the talent ranking, we have omitted measures of the regulation of labor and productivity. The reason for this is because our objective is to assess the development and retention of talent, and the regulation of labor and its focus on conflict resolution could be perceived as peripheral to that objective. Similarly, productivity is an outcome of what we want to assess.

Graph 1. Relation between Competitiveness and the Scientific Infrastructure sub-factor

Investment and development

The investment in and development of home-grown talent

Appeal

The extent to which a country taps into the overseas talent pool

Readiness

The availability of skills and competencies in the talent pool

IMD World Talent Ranking

II. Constructing the IMD World Talent Ranking

In order to calculate the IMD World Talent Ranking, we:

- Normalize criteria data using the same STD methodology used in the IMD World Competitiveness Yearbook
- Average the criteria STDs to generate the three talent competitiveness factors
- Aggregate factors to build the overall talent ranking
- Normalize the factors and overall ranking to the 0 to 100 range to facilitate the interpretation of results.

We employ this methodology to rank the countries' evolution in talent aspects from 2013 onward. However, there are some caveats. For certain years, our sample varies according to the evolution of the IMD World Competitiveness

Table 1: Sample size (2016-2020)

Year:	2016	2017	2018	2019	2020
# Countries:	61	63	63	63	63

Yearbook. That is to say, some countries appear in the talent ranking only for the years since they became part of the Yearbook. For example, talent rankings for Mongolia are available from 2015 onward and Cyprus and Saudi Arabia are available only from 2017.

Additionally, hard data may not be available for specific countries in specific years. Whenever possible, we use the most recent data available.

In Table 2 we present all the definitions of hard and survey criteria. Note that the value range for all survey-based criteria is of 0 to 10.

Table 2: Criteria definitions and survey questions

Investment & Development

Total public expenditure on education	Percentage of GDP
Total public expenditure on education per student	Spending per enrolled pupil/student, all levels
Pupil-teacher ratio (primary education)	Ratio of students to teaching staff
Pupil-teacher ratio (secondary education)	Ratio of students to teaching staff
Apprenticeships	Apprenticeships are sufficiently implemented
Employee training	Employee training is a high priority in companies
Female labor force	Percentage of total labor force
Health infrastructure	Health infrastructure meets the needs of society

Appeal

Cost-of-living index	Index of a basket of goods & services in the main city, including housing (New York City = 100)
Attracting and retaining talents	Attracting and retaining talents is a priority in companies
Worker motivation	Worker motivation in companies is high
Brain drain	Brain drain (well-educated and skilled people) does not hinder competitiveness in your economy
Quality of life	Quality of life is high
Foreign highly-skilled personnel	Foreign highly-skilled personnel are attracted to your country's business environment
Remuneration in services professions	Gross annual income including supplements such as bonuses, US\$
Remuneration of management	Total base salary plus bonuses and long-term incentives, US\$
Effective personal income tax rate	Percentage of an income equal to GDP per capita
Justice	Justice is fairly administered
Exposure to particle pollution	Mean population exposure to PM2.5, Micrograms per cubic metre

Readiness

Labor force growth	Percentage change
Skilled labor	Skilled labor is readily available
Finance skills	Finance skills are readily available
International experience	International experience of senior managers is generally significant
Competent senior managers	Competent senior managers are readily available
Primary and secondary education	Primary and secondary education meets the needs of a competitive economy
Graduates in Sciences	% of graduates in ICT, Engineering, Math & Natural Sciences
University education	University education meets the needs of a competitive economy
Management education	Management education meets the needs of the business community
Language skills	Language skills are meeting the needs of enterprises
Student mobility inbound	Foreign tertiary-level students per 1000 inhabitants
Educational assessment - PISA	PISA survey of 15-year olds

Notes and Sources by Criteria

The source of the survey criteria is always:

IMD World Competitiveness Center's Executive Opinion Survey 2020.

Which was conducted from mid-February to early May 2020, with a total number of 5'866 respondents.

Background Criteria

0.01 [B] Exchange Rate

International Financial Statistics Online March 2020 (IMF) National sources

Period average.

0.02 [B] Population - Market Size

UNDP Human Development Report 2019

Mid-year estimates. Croatia: new census in 2011 with a new methodology.India: break in series in 2011. Jordan: series have been revised according to the the new Population and Housing Census published in 2016: end of year population for 2019. Portugal: methodological change in 2011. Russia: including Crimea as of 2015. UAE: re-estimation of the national population was made by the National Bureau of Statistics in 2010 (consequent increase as of 2008). Lithuania: break in series 2011 - census revised population figure downwards by 10% (emigration to EU over past decade). Philippines: Latest available census data is for 2010. 2011-2015 figures are projections based on PSA's annual Philippines in Figures publication.

0.03 [B] GDP per capita

OECD (2020), Main Economic Indicators - complete database National sources

Provisional data or estimates for most recent year. Malaysia: Data 2017 & 2018: Preliminary; Data 2019 is sum of 4 quarters.

Factor 1: Investment & Development

1.01 Total public expenditure on education

UNESCO http://stats.uis.unesco.org Eurostat April 2020 National sources

Total general (local, regional and central) government expenditure in educational institutions (current and capital). It excludes transfers to private entities such as subsidies to households and students, but includes expenditure funded by transfers from international sources to government. It includes pre-primary, primary, secondary all levels and tertiary public institutions. Chile and Jordan: Budgetary central government. Philippines: Includes expenditure for items other than basic and higher education such as vocational education, culture and sports.

1.02 Total public expenditure on education per student

UNESCO http://stats.uis.unesco.org Eurostat October 2020 National sources

Total general (local, regional and central) government expenditure in educational institutions (current and capital). It excludes transfers to private entities such as subsidies to households and students, but includes expenditure funded by transfers from international sources to government. It includes pre-primary, primary, secondary all levels and tertiary public institutions. Chile and Jordan: Budgetary central government. Philippines: Includes expenditure for items other than basic and higher education such as vocational education, culture and sports.

1.03 Pupil-teacher ratio (primary education)

UNESCO http://stats.uis.unesco.org OECD Education at a Glance 2020 National sources

For public and private institutions, based on full-time equivalent. Primary education (ISCED level 1): level of which the main function is to provide the basic elements of education at such establishments as elementary schools, primary schools. The ratio of students to teaching staff is calculated as the total number of full-time equivalent students divided by the total number of full-time equivalent educational personal. Teaching staff refers to professional personnel directly involved in teaching students. The classification includes classroom teachers; special education teacher; and other teachers who work with students as a whole class in a classroom, in small groups in a resource room, or in one-to-one teaching inside a regular classroom. Teaching staff also includes chairpersons of departments whose duties include some amount of teaching, but it does not include non-professional personnel who support teachers in providing instructions to students, such as teacher's aides and other paraprofessional personnel. Data are UNESCO

or OECD estimates and from national statistics. Bulgaria, Cyprus, Greece, Hong Kong SAR, India, Indonesia, Jordan, Kazakhstan, Mongolia, Peru, Philippines, Qatar, Romania, Saudi Arabia, Singapore, Thailand, UAE and Ukraine: based on headcounts. Canada: Primary includes pre-primary education. France: Public and government-dependent private institutions only for all levels. Ireland and Switzerland: Public institutions only for all levels.

1.04 Pupil-teacher ratio (secondary education)

UNESCO http://stats.uis.unesco.org OECD Education at a Glance 2020 National sources

For public and private institutions, based on full-time equivalent. Secondary education (ISCED levels 2 and 3): level providing general and/or specialized instruction at middle schools, secondary schools, high schools, teacher training schools and schools of a vocational or technical nature. The ratio of students to teaching staff is calculated as the total number of full-time equivalent students divided by the total number of full-time equivalent educational personal. Teaching staff refers to professional personnel directly involved in teaching students. The classification includes classroom teachers; special education teacher; and other teachers who work with students as a whole class in a classroom, in small groups in a resource room, or in one-to-one teaching inside a regular classroom. Teaching staff also includes chairpersons of departments whose duties include some amount of teaching, but it does not include non-professional personnel who support teachers in providing instructions to students, such as teacher's aides and other paraprofessional personnel. Data are UNESCO or OECD estimates and from national statistics. Bulgaria, Cyprus, Greece, Hong Kong, Jordan, Kazakhstan, Peru, Philippines, Qatar, Romania, Singapore, Thailand, UAE, Ukraine and Venezuela: Based on headcounts. Australia: general programs only. Ireland, Israel and Switzerland: public institutions only. France: Public and government-dependent private institutions only. Iceland: lower secondary only.

1.07 Female labor force

OECD (2020), Main Economic Indicators - complete database National sources

Estimate for 2019. Austria: break in series in 2008. Belgium: untill Q3 for 2018. Denmark: break in series in 2009. Malaysia: break in series in 2010. Portugal: methodological change in 2011. Romania: for 2018 - third quarter. Spain: break in series in 2005. Philippines: 2018 data calculated from the July 2018 Labor Force Survey

Factor 2: Appeal

2.01 Cost-of-living index MERCER Cost of Living survey 2018 www.mercer.com

Break in series in 2015: In the main city as of 2015, average of main cities in large countries (made by IMD WCC) or in the capital in smaller ones up to 2014. The Mercer survey covers 214 cities across five continents and measures the comparative cost of over 200 items in each location, including housing, transport, food, clothing, household goods and entertainment. It is the world's most comprehensive cost of living survey and is used to help multinational companies and governments determine compensation allowance for their expatriate employees. New York is used as the base city (=100) for the index and all cities are compared against New York. Currency movements are measured against the US dollar. The cost of housing - often the biggest expense for expats - plays an important part in determining where cities are ranked.

Data is not always comparable over years (money fluctuations in 2010 and 2011).

2.07 [7] Remuneration in services professions UBS Prices and Earnings 2018 National sources

Figures are estimates remuneration paid in major cities. Gross annual income including possible supplementary benefits, such as bonuses, vacation pay, meal or housing allowances, or family assistance. roduct Manager: manager in pharmaceutical, chemical or food industry, about five years of experience, tertiary educational degree, middle management, approximate age and status: 35, married. Primary school teacher: teaching for about 10 years in government-operated schools, approximate age and status: 35, married, two children. Secratary/Personal Assistant: secretary of a department manager in an industrial firm, at least five years of experience; knowledge of PCs and one foreign language, approximate age and status: 25, single. Call center agent: trained agent at an inbound call/service center in the telecommunications or technology sector, approximate age and status: 25, single. Nurse: Completed apprenticeship or studies, at least 10 years of experience, approx. age and status: 35, married, two children. Sales Assistant: Sales in ladies' apparel at a large department store, specialized training in sales, several years of experience, approx. age and status: 25, single.

2.08 [4] Remuneration of management HCM International Ltd, April 2019 National sources

Total remuneration: including annual base salary, annual short-term incentive bonus and long term incentive. Based on companies having a minimal turnover of US\$ 250 million. Chief Executive Officer: directs all company's operations, including sales, marketing, manufacturing and support function; coordinates and provides guidance for the development and implementation of business strategies; optimizes market potential; provides long-term vision and leadership; identifies growth opportunities; assures organizational efficiency of the operations; builds long-term partnership with key accounts. Estonia: break in series in 2011 (change of source, data for earlier years are not comparable).

2.09 Effective personal income tax rate

PricewaterhouseCoopers, Resource Tax Manager

This criterion is based on the GDP per capita 2018 figures. Amount of personal income tax (including social security paid by the employee) that an individual married + 1 child with this level of earnings would expect to pay in 2018.

The taxes for Canada, Switzerland and the US are an average for the respective provinces, cantons and states.

India: in case, where the number of employees in the establishment exceeds 20 and an employee's monthly salary is less than INR 6,500.--, he would have to contribute to Provident Fund 12% of basic salary. The employer also contributes to an equal amount to Provident Fund. As a consequence, if we assume that the number of employees is less than 20, no social security contributions would be due.

The differences against last year's data can generally be explained by differences in base GDP/capita, and the changes in legislation for some countries.

2.11 Exposure to particle pollution

OECD (2020), Air quality and health: Exposure to PM2.5 fine particles - countries and regions, OECD Environment Statistics (database)

Particle pollution, also called particulate matter or PM, is a mixture of solids and liquid droplets floating in the air. Some particles are released directly from a specific source, while others form in complicated chemical reactions in the atmosphere. Particles less than 10 micrometers in diameter pose the greatest problems, because they can get deep into lungs and even the bloodstream. Cyprus: includes PM2.5 and PM10.

Factor 3: Readiness

3.01 Labor force growth

OECD (2020), Main Economic Indicators - complete database National sources

Estimates for 2019. Austria: break in series in 2008. Belgium: untill Q3 for 2018. Brazil: break in series in 2014. China and Saudi Arabia: estimate calculated by the World Competitiveness Center based on employment and unemployment rate for 2018. Denmark: break in series in 2009. Lithuania: break in series 2011 - census revised labor force figure downwards by 10% (emigration to EU over past decade). Latvia: break in series in 2012. Malaysia: break in series in 2010. Portugal: methodological change in 2011. Romania: for 2018 - third quarter. Spain: break in series in 2005.

3.07 Graduates in Sciences

OECD Education at a Glance 2020 UNESCO National sources

Share of graduates in Natural Sciences; Mathematics and Statistics; Information and Communication technologies; Engineering, manufacturing and construction. In tertiary education (ISCED2011 levels 5 to 8), both sexes (%). Philippines: Academic Year 2017-2018 data. Japan: Data on information and communication technologies are included in other fields.

3.11 Student mobility inbound

UNESCO http://stats.uis.unesco.org

International mobile students (men and women) from abroad studying in a given country (in tertiary education). Data can refer to the school or financial year prior or after the reference year.

3.12 [2] Educational assessment - PISA

PISA 2015 (OECD)

http://www.oecd.org/pisa/

The OECD's Programme for International Student Assessment (PISA) is a regular survey of 15-year olds which assesses aspects of their preparedness for adult life. Mathematical literacy: an individual's capacity to identify and understand the role that mathematics plays in the world, to make well-founded judgments and to use and engage with mathematics in ways that meet the needs of that individual's life as a constructive, concerned and reflective citizen. Scientific literacy: an individual's scientific knowledge and use of that knowledge to identify questions, to acquire new knowledge, to explain scientific phenomena, and to draw evidence based conclusions about science-related issues, understanding of the characteristic features of science as a form of human knowledge and enquiry, awareness of how science and technology shape our material, intellectual, and cultural environments, and willingness to engage in science-related issues, and with the ideas of science, as a reflective citizen. Cyprus: relates to the southern part of the Island. Argentina, Kazakhstan and Malaysia: Coverage is too small to ensure comparability.

About the Institute for Management Development (IMD)

IMD is an independent academic institution with Swiss roots and global reach, founded almost 75 years ago by business leaders for business leaders. Since its creation, IMD has been a pioneering force in developing leaders who transform organizations and contribute to society.

Based in Lausanne (Switzerland) and Singapore, IMD has been ranked in the Top 3 of the FT's annual Executive Education Global Ranking for the last nine consecutive years and in the top five for 17 consecutive years. Our MBA and EMBA programs have repeatedly been singled out among the best in Europe and the world.

We believe that this consistency at the forefront of our industry is grounded in IMD's unique approach to creating "Real Learning. Real Impact". Led by an expert and diverse faculty, we strive to be the trusted learning partner of choice for ambitious individuals and organizations worldwide. Challenging what is and inspiring what could be.

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