WORLD COMPETITIVENESS RANKING 2019

All data are available from the World Competitiveness Online.

Visit our eShop
UAE

OVERALL PERFORMANCE (63 countries)

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>UAE</td>
<td>12</td>
<td>15</td>
<td>10</td>
<td>7</td>
<td>5</td>
</tr>
</tbody>
</table>

CHALLENGES IN 2019
• Minimize administrative and compliance costs of VAT on businesses.
• Accelerate regulatory and legislative reforms to keep pace with the modernization of government services and products.
• Maintain a strong economic diversification agenda.
• Strengthen innovation capabilities across the nation.
• Boost investments in R&D through public-private partnerships.

Provided by:
Federal Competitiveness & Statistics Authority (FCSA), Dubai

BASIC FACTS

<table>
<thead>
<tr>
<th>Factor</th>
<th>Value</th>
<th>Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capital</td>
<td>Abu Dhabi</td>
<td></td>
</tr>
<tr>
<td>Land area (square km '000)</td>
<td>71</td>
<td>2018</td>
</tr>
<tr>
<td>Exchange Rate (per $)</td>
<td>3.673</td>
<td>2018</td>
</tr>
<tr>
<td>Population - market size (millions)</td>
<td>9.57</td>
<td>2018</td>
</tr>
<tr>
<td>Gross Domestic Product (GDP) (US$ billions)</td>
<td>414.2</td>
<td>2018</td>
</tr>
<tr>
<td>GDP (PPP) per capita (US$)</td>
<td>75,611</td>
<td>2018</td>
</tr>
<tr>
<td>Real GDP growth (%)</td>
<td>1.7</td>
<td>2018</td>
</tr>
<tr>
<td>Consumer price inflation (%)</td>
<td>3.08</td>
<td>2018</td>
</tr>
<tr>
<td>Unemployment rate (%)</td>
<td>2.54</td>
<td>2017</td>
</tr>
<tr>
<td>Labor force (millions)</td>
<td>7.42</td>
<td>2017</td>
</tr>
<tr>
<td>Current account balance (% of GDP)</td>
<td>33.56</td>
<td>2018</td>
</tr>
<tr>
<td>Direct investment stocks inward ($bn)</td>
<td>129.9</td>
<td>2017</td>
</tr>
<tr>
<td>Direct investment flows inward (% of GDP)</td>
<td>2.50</td>
<td>2018</td>
</tr>
</tbody>
</table>

COMPETITIVENESS LANDSCAPE

PEER GROUPS RANKINGS
EUROPE - MIDDLE EAST - AFRICA (40 countries)

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
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</thead>
<tbody>
<tr>
<td>UAE</td>
<td>7</td>
<td>10</td>
<td>7</td>
<td>4</td>
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</tbody>
</table>

POPULATIONS < 20 MILLION (34 countries)

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
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<tbody>
<tr>
<td>UAE</td>
<td>8</td>
<td>11</td>
<td>9</td>
<td>6</td>
<td>4</td>
</tr>
</tbody>
</table>
COMPETITIVENESS EVOLUTION
The criteria below highlight the 15 biggest Improvements and the 15 biggest Declines in the overall performance of the economy. They are determined by the largest percentage changes in the value of each criterion from one yearbook to the next.

<table>
<thead>
<tr>
<th>IMPROVEMENTS</th>
<th>WCY 2018</th>
<th>WCY 2019</th>
<th>DECLINES</th>
<th>WCY 2018</th>
<th>WCY 2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.3.18 Number of patents in force</td>
<td>6.8</td>
<td>10.5</td>
<td>2.1.02 Government budget surplus/deficit (%)</td>
<td>-0.53</td>
<td>-1.82</td>
</tr>
<tr>
<td>2.4.14 Start-up days</td>
<td>8.5</td>
<td>4.0</td>
<td>1.1.15 Real GDP growth per capita</td>
<td>-0.38</td>
<td>-1.11</td>
</tr>
<tr>
<td>4.1.07 Population - growth</td>
<td>1.90</td>
<td>2.87</td>
<td>2.3.08 Exchange rate stability</td>
<td>0.009</td>
<td>0.019</td>
</tr>
<tr>
<td>2.4.15 Start-up procedures</td>
<td>4.5</td>
<td>2.5</td>
<td>1.5.01 Consumer price inflation</td>
<td>1.97</td>
<td>3.08</td>
</tr>
<tr>
<td>4.3.16 Patent applications per capita</td>
<td>5.73</td>
<td>7.71</td>
<td>1.4.07 Unemployment rate</td>
<td>1.64</td>
<td>2.54</td>
</tr>
<tr>
<td>2.4.07 Government subsidies</td>
<td>3.65</td>
<td>2.54</td>
<td>2.5.02 Homicide</td>
<td>0.7</td>
<td>0.9</td>
</tr>
<tr>
<td>2.1.11 Pension funding</td>
<td>5.53</td>
<td>7.04</td>
<td>2.2.01 Collected total tax revenues</td>
<td>8.23</td>
<td>10.45</td>
</tr>
<tr>
<td>1.2.02 Current account balance</td>
<td>26.37</td>
<td>33.56</td>
<td>1.5.06 Gasoline prices</td>
<td>0.51</td>
<td>0.64</td>
</tr>
<tr>
<td>4.5.01 Total public expenditure on education</td>
<td>1.3</td>
<td>1.7</td>
<td>3.2.04 Remuneration of management</td>
<td>199,989</td>
<td>241,787</td>
</tr>
<tr>
<td>1.1.19 Resilience of the economy</td>
<td>6.56</td>
<td>7.87</td>
<td>1.4.09 Youth unemployment</td>
<td>6.40</td>
<td>7.70</td>
</tr>
<tr>
<td>3.2.09 Apprenticeships</td>
<td>6.00</td>
<td>7.03</td>
<td>1.2.09 Exports of goods (%)</td>
<td>94.10</td>
<td>83.42</td>
</tr>
<tr>
<td>2.3.02 Cost of capital</td>
<td>6.71</td>
<td>7.83</td>
<td>1.1.09 Gross fixed capital formation (%)</td>
<td>24.8</td>
<td>22.4</td>
</tr>
<tr>
<td>4.4.26 Pollution problems</td>
<td>6.96</td>
<td>8.06</td>
<td>3.3.10 Stock market capitalization (%)</td>
<td>32.55</td>
<td>30.75</td>
</tr>
<tr>
<td>2.3.12 Bureaucracy</td>
<td>6.65</td>
<td>7.70</td>
<td>3.2.23 International experience</td>
<td>8.27</td>
<td>7.91</td>
</tr>
<tr>
<td>3.3.16 Credit</td>
<td>6.73</td>
<td>7.77</td>
<td>3.3.01 Banking sector assets</td>
<td>124.15</td>
<td>118.77</td>
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</tbody>
</table>

KEY ATTRACTIVENESS INDICATORS
From a list of 15 indicators, respondents of the Executive Opinion Survey were asked to select 5 that they perceived as the key attractiveness factors of their economy. The chart shows the percentage of responses per indicator from the highest number of responses to the lowest.
WORLD COMPETITIVENESS DIGITAL RANKING 2019

All data are available from the World Competitiveness Online.

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Digital Trends - Overall

**UAE**

**Overall Performance (63 countries)**

- **Overall**
- **Factors**
  - 35 Knowledge
  - 2 Technology
  - 9 Future readiness
- **Sub-Factors**
  - 5 Talent
  - 1 Regulatory framework
  - 20 Adaptive attitudes
  - 4 Business agility
  - 8 IT integration

The direction of the triangle indicates the performance change from the last year:
- ▲ improved or stable
- ▼ declined

**Overall & Factors - 5 years**

<table>
<thead>
<tr>
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<th>2016</th>
<th>2017</th>
<th>2018</th>
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<tr>
<td><strong>Overall</strong></td>
<td>22</td>
<td>25</td>
<td>18</td>
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<tr>
<td>Knowledge</td>
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<td>35</td>
<td>38</td>
<td>36</td>
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<tr>
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<tr>
<td>Future readiness</td>
<td>18</td>
<td>17</td>
<td>7</td>
<td>12</td>
<td>9</td>
</tr>
</tbody>
</table>

**Competitiveness & Digital Rankings**

N.B. This graph provides only a comparison of the country’s performance in the two rankings.

**Peer Groups Rankings**

**Europe - Middle East - Africa (40 countries)**

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<td>13</td>
<td>15</td>
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**Populations < 20 Million (34 countries)**

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<td>13</td>
<td>15</td>
<td>12</td>
<td>11</td>
<td>9</td>
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</tbody>
</table>
### KNOWLEDGE

#### Subfactors

<table>
<thead>
<tr>
<th>Subfactors</th>
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<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
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<tbody>
<tr>
<td>Talent</td>
<td>6</td>
<td>5</td>
<td>5</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Training &amp; education</td>
<td>53</td>
<td>53</td>
<td>56</td>
<td>53</td>
<td>41</td>
</tr>
<tr>
<td>Scientific concentration</td>
<td>54</td>
<td>51</td>
<td>52</td>
<td>56</td>
<td>56</td>
</tr>
</tbody>
</table>

#### Talent

- Educational assessment PISA - Math: 45
- International experience: 1
- Foreign highly-skilled personnel: 5
- Management of cities: 2
- Digital/Technological skills: 7
- Net flow of international students: 3

#### Training & education

- Employee training: 4
- Total public expenditure on education: 61
- Higher education achievement: 35
- Pupil-teacher ratio (tertiary education): 41
- Graduates in Sciences: 37
- Women with degrees: 23

#### Scientific concentration

- Total expenditure on R&D (%): 38
- Total R&D personnel per capita: 40
- Female researchers: -
- R&D productivity by publication: 57
- Scientific and technical employment: -
- High-tech patent grants: 22
- Robots in Education and R&D: 40

### TECHNOLOGY

#### Subfactors

<table>
<thead>
<tr>
<th>Subfactors</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
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</thead>
<tbody>
<tr>
<td>Regulatory framework</td>
<td>19</td>
<td>16</td>
<td>5</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Capital</td>
<td>4</td>
<td>14</td>
<td>12</td>
<td>11</td>
<td>2</td>
</tr>
<tr>
<td>Technological framework</td>
<td>19</td>
<td>31</td>
<td>29</td>
<td>16</td>
<td>5</td>
</tr>
</tbody>
</table>

#### Regulatory framework

- Starting a business: 15
- Enforcing contracts: 8
- Immigration laws: 1
- Development and application of technology: 3
- Scientific research legislation: 7
- Intellectual property rights: 17

#### Capital

- IT & media stock market capitalization: -
- Funding for technological development: 4
- Banking and financial services: 3
- Country credit rating: 16
- Venture capital: 3
- Investment in Telecommunications: 18

#### Technology framework

- Communications technology: 21
- Mobile Broadband subscribers: 15
- Wireless broadband: 1
- Internet users: 35
- Internet bandwidth speed: 41
- High-tech exports (%): 43

### FUTURE READINESS

#### Subfactors

<table>
<thead>
<tr>
<th>Subfactors</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adaptive attitudes</td>
<td>15</td>
<td>14</td>
<td>17</td>
<td>21</td>
<td>20</td>
</tr>
<tr>
<td>Business agility</td>
<td>24</td>
<td>18</td>
<td>1</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>IT integration</td>
<td>21</td>
<td>18</td>
<td>8</td>
<td>14</td>
<td>8</td>
</tr>
</tbody>
</table>

#### Adaptive attitudes

- E-Participation: 17
- Internet retailing: 32
- Tablet possession: 21
- Smartphone possession: 21
- Attitudes toward globalization: 3

#### Business agility

- Opportunities and threats: 1
- World robots distribution: 53
- Agility of companies: 1
- Use of big data and analytics: 1
- Knowledge transfer: 3

#### IT integration

- E-Government: 21
- Public-private partnerships: 1
- Cyber security: 2
- Software piracy: 20
WORLD TALENT RANKING 2018

All data are available from the World Competitiveness Online.

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UAE

OVERALL PERFORMANCE (63 countries)

The direction of the triangle indicates the performance change from the last year:
△ improved or stable
▽ declined

Investment & Development

- Total public expenditure on education Percentage of GDP: 1.3 %, 61
- Government expenditure on education per student Percentage of GDP per capita (secondary education): - %
- Pupil-teacher ratio (primary education) Ratio of students to teaching staff: 23.62, 55
- Pupil-teacher ratio (secondary education) Ratio of students to teaching staff: 13.27, 40
- Apprenticeships are sufficiently implemented: 6.00, Survey [0..10], 9
- Employee training is a high priority in companies: 6.52, Survey [0..10], 13
- Female labor force Percentage of total labor force: 19.14 %, 59
- Health infrastructure meets the needs of society: 7.87, Survey [0..10], 15

Appeal

- Cost-of-living index Index of a basket of goods & services in the main city, including housing (New York City = 100): 90.80, Index, 51
- Attracting and retaining talents is a priority in companies: 7.35, Survey [0..10], 18
- Worker motivation in companies is high: 6.98, Survey [0..10], 10
- Brain drain (well-educated and skilled people) does not hinder competitiveness in your economy: 7.27, Survey [0..10], 4
- Quality of life is high: 8.78, Survey [0..10], 14
- Foreign highly-skilled personnel are attracted to your country’s business environment: 8.40, Survey [0..10], 2
- Remuneration in services professions Gross annual income including supplements such as bonuses, US$: 35,346 USD
- Remuneration of management Total base salary plus bonuses and long-term incentives, US$: 199,989 USD
- Effective personal income tax rate Percentage of an income equal to GDP per capita: 4.64 %, 6
- Personal security and private property rights are adequately protected: 8.53, Survey [0..10], 14

Readiness

- Labor force growth Percentage change: 1.90 %, 18
- Skilled labor is readily available: 7.06, Survey [0..10], 2
- Finance skills are readily available: 7.47, Survey [0..10], 8
- International experience of senior managers is generally significant: 8.27, Survey [0..10], 1
- Competent senior managers are readily available: 7.60, Survey [0..10], 1
- Educational system The educational system meets the needs of a competitive economy: 7.60, Survey [0..10], 9
- Science in schools is sufficiently emphasized: 7.20, Survey [0..10], 7
- University education meets the needs of a competitive economy: 7.02, Survey [0..10], 18
- Management education meets the needs of the business community: 7.06, Survey [0..10], 16
- Language skills are meeting the needs of enterprises: 8.36, Survey [0..10], 7
- Student mobility inbound Foreign tertiary-level students per 1000 inhabitants: 8.36, Number, 4
- Educational assessment - PISA PISA survey of 15-year olds: 432, Average, 46
IMD is ranked 1st in open programs worldwide - 8 years in a row.
Financial Times 2012 - 2019

Developing leaders
Transforming organizations
Impacting your future

FURTHER INFORMATION
IMD World Competitiveness Center
Chemin de Bellerive 23, P.O. Box 915,
CH-1001 Lausanne - Switzerland
Central tel: +41 21 618 02 51
wccinfo@imd.org www.imd.org/wcc

FOLLOW US ON
Chemin de Bellerive 23
P.O. Box 915
CH-1001 Lausanne
Switzerland
Central tel: +41 21 618 01 11
Central fax: +41 21 618 07 07
info@imd.org