



The United Kingdom ranks 7<sup>th</sup> in DESI 2017. While its ranking decreased somewhat over 2016, its score increased due to an improved performance in all domains. In particular, important improvements have been made in NGA subscriptions (Connectivity), Internet use (Human Capital), and Open Data (Digital Public Services). Conversely, use of Electronic Information Sharing, RFID and eInvoices (Integration of Digital Technologies) remains very low.

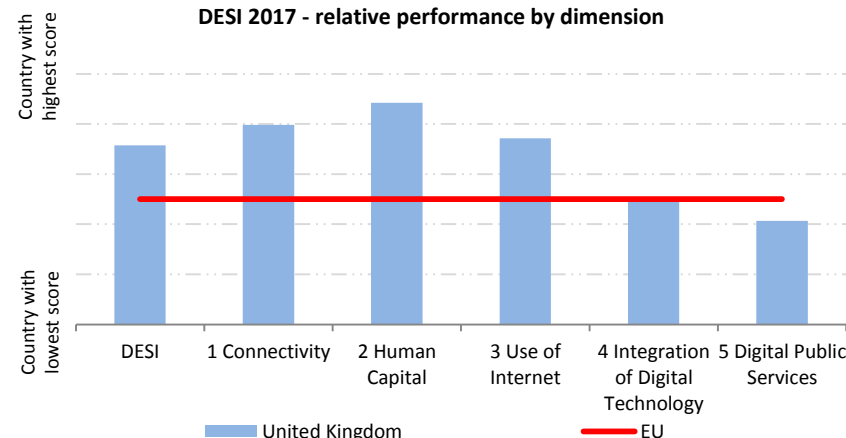
**The Digital Economy and Society Index is a composite index measuring progress in digital through five components:**

1 Connectivity	Fixed Broadband, Mobile Broadband, Broadband speed and prices
2 Human Capital	Basic Skills and Internet Use, Advanced skills and Development
3 Use of Internet	Citizens' use of Content, Communication and Online Transactions
4 Integration of Digital Technology	Business digitisation and eCommerce
5 Digital Public Services	eGovernment

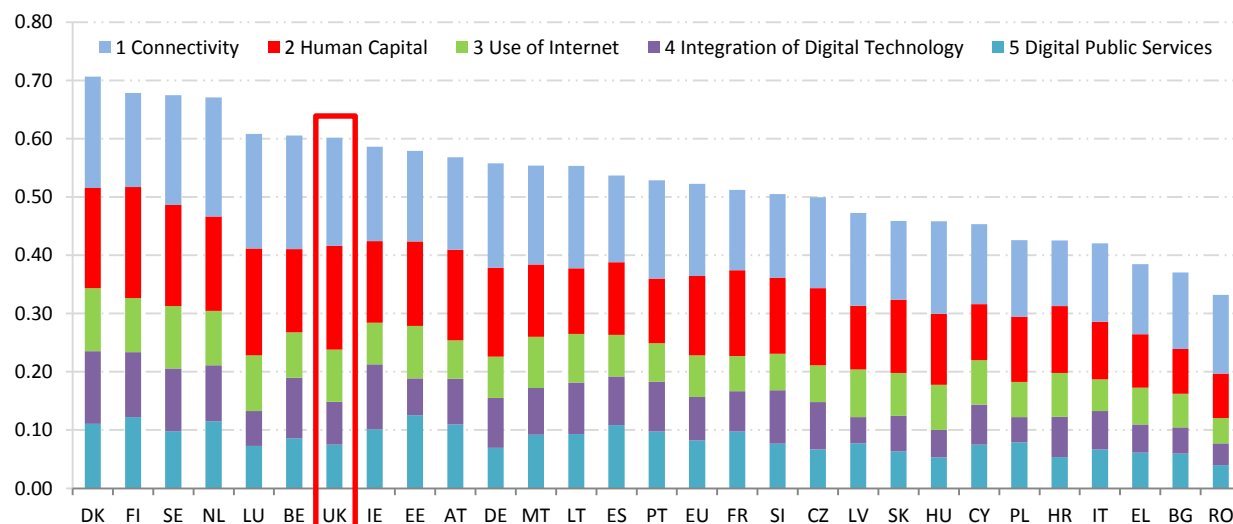
**Clustering:** the United Kingdom belongs to the cluster of high performing countries.

	United Kingdom rank	United Kingdom score	Cluster score	EU score
DESI 2017	7	0.60	0.63	0.52
DESI 2016 <sup>1</sup>	6	0.58	0.60	0.49

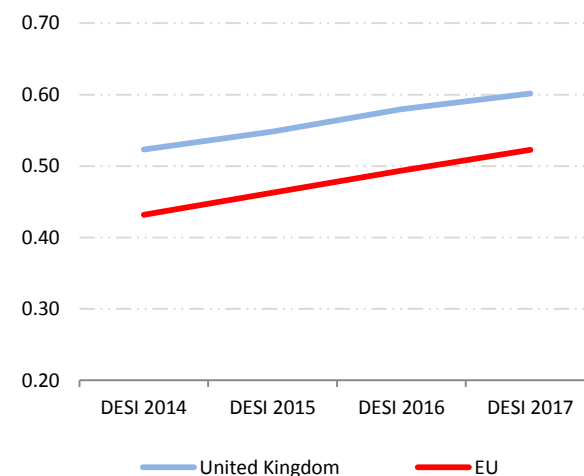
DESI 2017 - relative performance by dimension



Digital Economy and Society Index (DESI) 2017 ranking



DESI - evolution over time

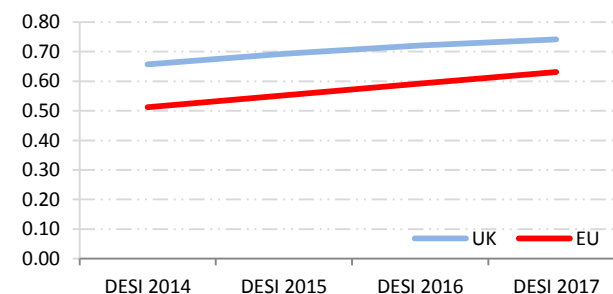


1) Connectivity: The United Kingdom performs well in terms of broadband coverage and take-up (fixed and mobile), as well as in NGA coverage. Furthermore, progress on NGA take-up is being made.

	United Kingdom				EU	
	DESI 2017		DESI 2016		DESI 2017	
	value	rank	value	rank	value	
<b>1a1 Fixed Broadband Coverage</b>	<b>99.97%</b>	<b>↓</b>	<b>5</b>	<b>99.98%</b>	<b>5</b>	<b>98%</b>
% households	2016		2015		2016	
<b>1a2 Fixed Broadband Take-up</b>	<b>87%</b>	<b>↑</b>	<b>3</b>	<b>85%</b>	<b>3</b>	<b>74%</b>
% households	2016		2015		2016	
<b>1b1 Mobile Broadband Take-up</b>	<b>91</b>	<b>↑</b>	<b>8</b>	<b>88</b>	<b>6</b>	<b>84</b>
Subscriptions per 100 people	June 2016		June 2015		June 2016	
<b>1b2 4G coverage<sup>2</sup></b>	<b>93%</b>		<b>12</b>	<b>NA</b>		<b>84%</b>
% households (average of operators)	2016				2016	
<b>1b3 Spectrum<sup>3</sup></b>	<b>69%</b>	<b>↓</b>	<b>12</b>	<b>73%</b>	<b>12</b>	<b>68%</b>
% of the target	2016		2015		2016	
<b>1c1 NGA Coverage</b>	<b>92%</b>	<b>↑</b>	<b>8</b>	<b>91%</b>	<b>9</b>	<b>76%</b>
% households	2016		2015		2016	
<b>1c2 Subscriptions to Fast Broadband</b>	<b>43%</b>	<b>↑</b>	<b>16</b>	<b>36%</b>	<b>14</b>	<b>37%</b>
% subscriptions >= 30Mbps	June 2016		June 2015		June 2016	
<b>1d1 Fixed Broadband Price<sup>4</sup></b>	<b>1.3%</b>	<b>↓</b>	<b>17</b>	<b>1.2%</b>	<b>16</b>	<b>1.2%</b>
% income	price 2016, income 2015			price 2015, income 2015		price 2016, income 2015

1 Connectivity	United Kingdom		Cluster	EU
	rank	score	score	score
DESI 2017	6	0.74	0.75	0.63
DESI 2016	6	0.72	0.73	0.59

1 Connectivity - evolution over time

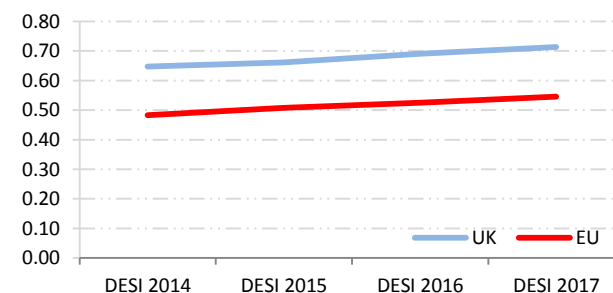


2) Human Capital: Most UK citizens are online and digital skills are improving. Nevertheless, a third of citizens do not have basic digital skills and STEM graduate numbers have not increased, despite growing demand by the labour market.

	United Kingdom				EU	
	DESI 2017		DESI 2016		DESI 2017	
	value	rank	value	rank	value	
<b>2a1 Internet Users</b>	<b>93%</b>	<b>↑</b>	<b>3</b>	<b>90%</b>	<b>5</b>	<b>79%</b>
% individuals	2016		2015		2016	
<b>2a2 At Least Basic Digital Skills</b>	<b>69%</b>	<b>↑</b>	<b>5</b>	<b>67%</b>	<b>6</b>	<b>56%</b>
% individuals	2016		2015		2016	
<b>2b1 ICT Specialists<sup>5</sup></b>	<b>5.0%</b>	<b>↑</b>	<b>3</b>	<b>4.8%</b>	<b>5</b>	<b>3.5%</b>
% individuals	2015		2014		2015	
<b>2b2 STEM Graduates</b>	<b>23</b>	<b>→</b>	<b>3</b>	<b>23</b>	<b>1</b>	<b>19</b>
Per 1000 individuals (aged 20-29)	2014		2013		2014	

2 Human Capital	United Kingdom		Cluster	EU
	rank	score	score	score
DESI 2017	3	0.71	0.68	0.55
DESI 2016	3	0.69	0.66	0.53

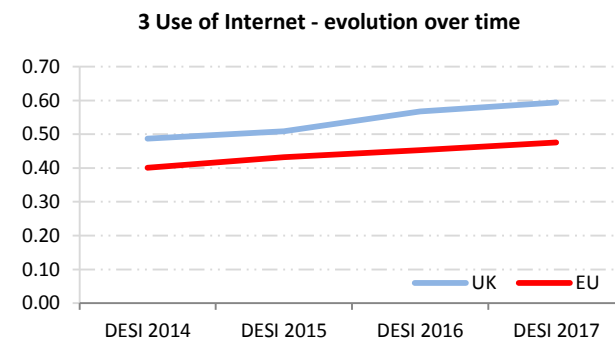
2 Human Capital - evolution over time



3) Use of Internet: The most popular online activities carried out by people in the UK are shopping, where it ranks first in the EU, and use of Video on Demand, where it ranks 5<sup>th</sup>.

	United Kingdom				EU
	DESI 2017		DESI 2016		DESI 2017
	value	rank	value	rank	value
<b>3a1 News</b>	68%	↓ 22	71%	17	70%
% individuals who used Internet in the last 3 months	2016		2015		2016
<b>3a2 Music, Videos and Games<sup>6</sup></b>	80%	13	NA		78%
% individuals who used Internet in the last 3 months	2016				2016
<b>3a3 Video on Demand<sup>7</sup></b>	34%	5	NA		21%
% individuals who used Internet in the last 3 months	2016				2016
<b>3b1 Video Calls</b>	49%	↑ 10	43%	13	39%
% individuals who used Internet in the last 3 months	2016		2015		2016
<b>3b2 Social Networks</b>	73%	↑ 10	71%	8	63%
% individuals who used Internet in the last 3 months	2016		2015		2016
<b>3c1 Banking</b>	68%	↑ 11	63%	12	59%
% individuals who used Internet in the last 3 months	2016		2015		2016
<b>3c2 Shopping</b>	87%	→ 1	87%	1	66%
% internet users (last year)	2016		2015		2016

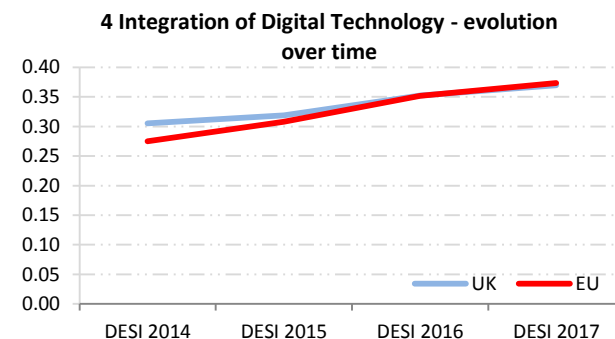
3 Use of Internet	United Kingdom		Cluster	EU
	rank	score	score	score
DESI 2017	7	0.59	0.60	0.48
DESI 2016	7	0.57	0.57	0.45



4) Integration of Digital Technology: While use of Social Media, Cloud and eCommerce by businesses in the UK is relatively high, use of Electronic Information Sharing, RFID and eInvoices is very low and showing little improvement.

	United Kingdom				EU
	DESI 2017		DESI 2016		DESI 2017
	value	rank	value	rank	value
<b>4a1 Electronic Information Sharing</b>	17%	26	17%	26	36%
% enterprises	2015		2015		2015
<b>4a2 RFID</b>	1.6%	27	1.6%	27	3.9%
% enterprises	2014		2014		2014
<b>4a3 Social Media</b>	40%	↑ 1	34%	3	20%
% enterprises	2016		2015		2016
<b>4a4 eInvoices</b>	5%	27	NA		18%
% enterprises	2016		2015		2016
<b>4a5 Cloud</b>	22%	6	NA		13%
% enterprises	2016		2015		2016
<b>4b1 SMEs Selling Online</b>	19%	↓ 8	20%	7	17%
% SMEs	2016		2015		2016
<b>4b2 eCommerce Turnover</b>	9.4%	↑ 12	8.0%	17	9.4%
% SME turnover	2016		2015		2016
<b>4b3 Selling Online Cross-border</b>	9.0%	12	9.0%	12	7.5%
% SMEs	2015		2015		2015

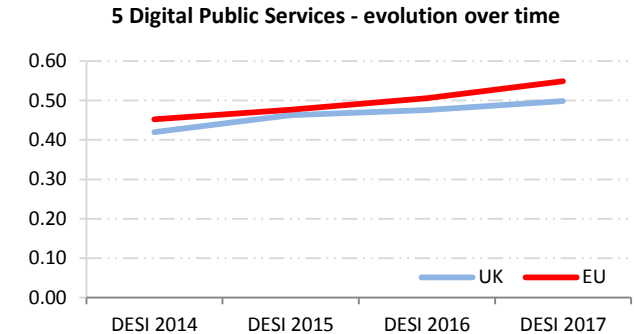
4 Integration of Digital Technology	United Kingdom		Cluster	EU
	rank	score	score	score
DESI 2017	15	0.37	0.44	0.37
DESI 2016	14	0.35	0.41	0.35



5) Digital Public Services: Compared to high rates of internet use in the UK, use of eGovernment services is low (though slightly above the EU average). Nevertheless, the UK is advanced in terms of Open Data.

	United Kingdom				EU	
	DESI 2017 value	rank	DESI 2016 value	rank	DESI 2017 value	
<b>5a1 eGovernment Users</b> % internet users (last year)	36% 2016	↑ 16	34% 2015	16	34% 2016	
<b>5a2 Pre-filled Forms</b> Score (0 to 100)	16 2016	↓ 26	17 2015	26	49 2016	
<b>5a3 Online Service Completion</b> Score (0 to 100)	76 2016	↓ 21	77 2015	20	82 2016	
<b>5a4 Open Data<sup>8</sup></b> % of maximum score	78% 2016	↑ 6	69% 2015	4	59% 2016	

5 Digital Public Services	United Kingdom	Cluster	EU
	rank	score	score
DESI 2017	18	0.50	0.59
DESI 2016	15	0.48	0.57



#### Methodological note

<sup>1</sup> **DESI 2016** was re-calculated for all countries to reflect slight changes in the choice of indicators and corrections to the underlying indicator data. As a result, country scores and rankings may have changed from the previous publication.

<sup>2</sup> **4G coverage**: This is a new DESI indicator measuring the average coverage of telecom operators' 4G networks.

<sup>3</sup> **Spectrum**: There is a decrease in most of the Member States due to the additional EU harmonisation of the 700 MHz band in April 2016.

<sup>4</sup> **Fixed Broadband Price**: Due to a slight methodological change, historical data was re-calculated.

<sup>5</sup> **ICT Specialists**: Historical data have been revised by Eurostat.

<sup>6</sup> **Music, Videos and Games**: Break in series due to a change in the Eurostat survey.

<sup>7</sup> **Video on Demand**: Break in series due to a change of data source. New source is Eurostat.

<sup>8</sup> **Open Data**: Change of data source. The historical data have also been restated. The new source is the European Data Portal.