



Digital Economy and Society Index (DESI)

2019 Country Report

Norway

About the DESI

The European Commission has been monitoring Member States' digital competitiveness with the Digital Economy and Society Index (DESI) reports since 2015. The set of reports includes both country profiles and thematic chapters.

The DESI country reports combine quantitative evidence from the DESI indicators across the five dimensions of the index with country-specific policy insights and best practices. An in-depth telecoms chapter is annexed to the reports for each Member State.

The thematic chapters present a European-level analysis of broadband connectivity, digital skills, use of the internet, digitisation of businesses, digital public services, the ICT sector and its R&D spending, and Member States' use of Horizon 2020 funds.

To improve the methodology and take account of the latest technological developments, a number of changes have been made to the DESI for 2019. The DESI now covers:

- *5G readiness,*
- *Above basic digital skills,*
- *At least basic software skills,*
- *Female ICT specialists,*
- *ICT graduates,*
- *People who never used the internet,*
- *Professional social networks,*
- *Doing an online course,*
- *Online consultations and voting,*
- *Individuals selling online,*
- *Big data,*
- *Medical data exchange and*
- *e-Prescriptions.*

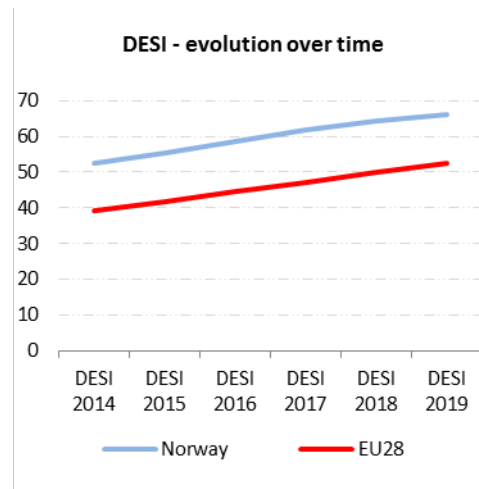
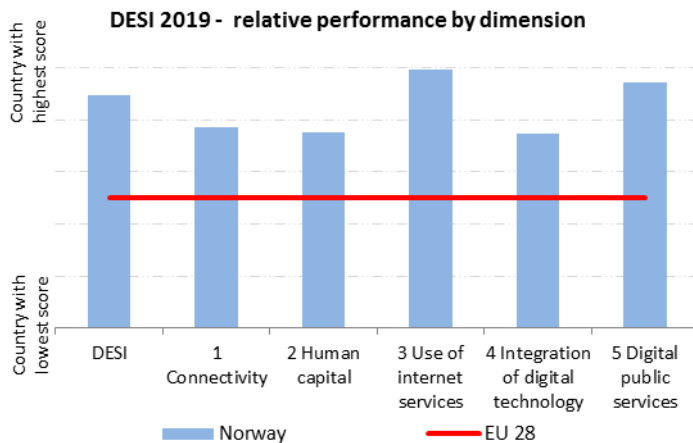
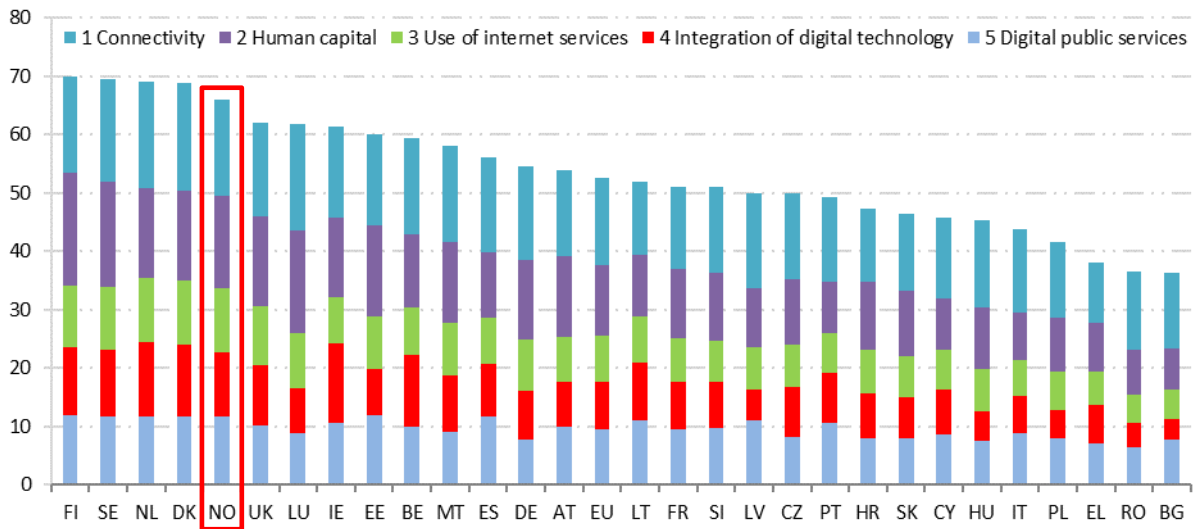
The DESI was re-calculated for all countries for previous years to reflect the above changes in the choice of indicators and corrections to the underlying data. Country scores and rankings may thus have changed compared with previous publications.

For further information, please consult the DESI website: <https://ec.europa.eu/digital-single-market/en/desi>.

Norway overview

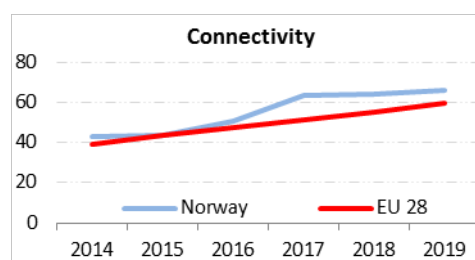
	Norway		EU
	rank	score	score
DESI 2019	NA	66.0	52.5
DESI 2018	NA	64.0	49.8
DESI 2017	NA	61.8	46.9

Digital Economy and Society Index (DESI) 2019 ranking



1 Connectivity

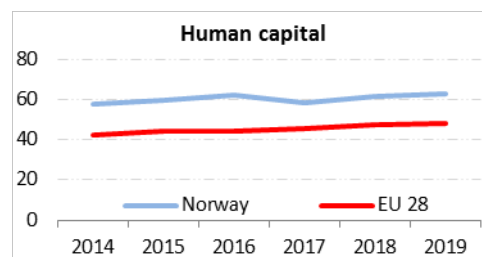
1 Connectivity	Norway		EU
	rank	score	score
DESI 2019	NA	66.1	59.3
DESI 2018	NA	63.9	54.8
DESI 2017	NA	63.3	51.2



	DESI 2017	Norway	DESI 2019	EU
	value	DESI 2018	value rank	DESI 2019
		value	value rank	Value
1a1 Fixed broadband coverage % households	95%	94%	97% NA	97%
	2016	2017	2018	2018
1a2 Fixed broadband take-up % households	94%	90%	89% NA	77%
	2016	2017	2018	2018
1b1 4G coverage % households (average of operators)	NA	100%	100% NA	94%
	2016	2017	2018	2018
1b2 Mobile broadband take-up Subscriptions per 100 people	95	98	100 NA	96
	2016	2017	2018	2018
1b3 5G readiness Assigned spectrum as a % of total harmonised 5G spectrum	NA	NA	NA NA	14%
			2018	2018
1c1 Fast broadband (NGA) coverage % households	85%	86%	83% NA	83%
	2016	2017	2018	2018
1c2 Fast broadband take-up % households	54%	56%	61% NA	41%
	2016	2017	2018	2018
1d1 Ultrafast broadband coverage % households	NA	80%	82% NA	60%
		2017	2018	2018
1d2 Ultrafast broadband take-up % households	12%	21%	30% NA	20%
	2016	2017	2018	2017
1e1 Broadband price index Score (0 to 100)	NA	NA	NA NA	87
	2016	2017	2018	2017

2 Human capital

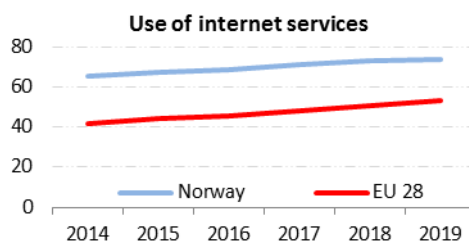
2 Human capital	Norway		EU
	rank	score	score
DESI 2019	NA	63.0	48.0
DESI 2018	NA	61.5	47.6
DESI 2017	NA	58.5	45.4



	DESI 2017	Norway		EU	
	value	DESI 2018	DESI 2019	rank	DESI 2019
2a1 At least basic digital skills	75%	77%	77%	NA	57%
% individuals	2016	2017	2017		2017
2a2 Above basic digital skills	45%	51%	51%	NA	31%
% individuals	2016	2017	2017		2017
2a3 At least basic software skills	76%	78%	78%	NA	60%
% individuals	2016	2017	2017		2017
2b1 ICT specialists	4.3%	4.3%	4.6%	NA	3.7%
% total employment	2015	2016	2017		2017
2b2 Female ICT specialists	1.5%	1.8%	1.9%	NA	1.4%
% female employment	2015	2016	2017		2017
2b3 ICT graduates	3.2%	3.1%	3.2%	NA	3.5%
% graduates	2014	2015	2016		2015

3 Use of internet services

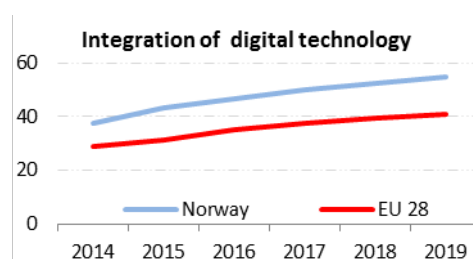
3 Use of internet services	Norway		EU
	rank	score	score
DESI 2019	NA	73.9	53.4
DESI 2018	NA	72.8	50.7
DESI 2017	NA	70.8	47.8



	Norway		EU	
	DESI 2017 value	DESI 2018 value	DESI 2019 value	DESI 2019 rank
3a1 People who never used the internet % individuals	2% 2016	1% 2017	1% 2018	NA 2018
3a2 Internet users % individuals	96% 2016	96% 2017	97% 2018	NA 2018
3b1 News % internet users	94% 2016	93% 2017	93% 2017	NA 2017
3b2 Music, videos and games % internet users	89% 2016	89% 2016	90% 2018	NA 2018
3b3 Video on demand % internet users	54% 2016	54% 2016	60% 2018	NA 2018
3b4 Video calls % internet users	48% 2016	54% 2017	57% 2018	NA 2018
3b5 Social networks % internet users	78% 2016	85% 2017	84% 2018	NA 2018
3b6 Professional social networks % internet users	21% 2015	20% 2017	20% 2017	NA 2017
3b7 Doing an online course % internet users	12% 2016	14% 2017	14% 2017	NA 2017
3b8 Online consultations and voting % internet users	9% 2015	10% 2017	10% 2017	NA 2017
3c1 Banking % internet users	94% 2016	95% 2017	96% 2018	NA 2018
3c2 Shopping % internet users	79% 2016	78% 2017	81% 2018	NA 2018
3c3 Selling online % internet users	31% 2016	33% 2017	33% 2018	NA 2018

4 Integration of digital technology

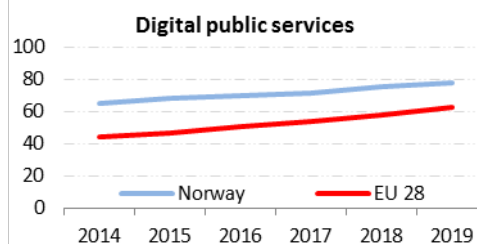
4 Integration of digital technology	Norway		EU
	rank	score	score
DESI 2019	NA	54.7	41.1
DESI 2018	NA	52.2	39.6
DESI 2017	NA	50.0	37.6



	DESI 2017	Norway		EU	
	Value	DESI 2018 value	DESI 2019 value	rank	DESI 2019 value
4a1 Electronic information sharing % enterprises	32% 2015	30% 2017	30% 2017	NA	34% 2017
4a2 Social media % enterprises	20% 2016	20% 2017	20% 2017	NA	21% 2017
4a3 Big data % enterprises	NA 2016	NA 2016	15% 2018	NA	12% 2018
4a4 Cloud % enterprises	32% 2016	39% 2017	43% 2018	NA	18% 2018
4b1 SMEs selling online % SMEs	26% 2016	28% 2017	27% 2018	NA	17% 2018
4b2 e-Commerce turnover % SME turnover	19% 2016	17% 2017	19% 2018	NA	10% 2018
4b3 Selling online cross-border % SMEs	5% 2015	6% 2017	6% 2017	NA	8% 2017

5 Digital public services

5 Digital public services	Norway		EU
	rank	score	score
DESI 2019	NA	78.0	62.9
DESI 2018	NA	75.1	57.9
DESI 2017	NA	71.5	54.0



	Norway		EU	
	DESI 2017 value	DESI 2018 value	DESI 2019 value	DESI 2019 rank
5a1 e-Government users % internet users needing to submit forms	87% 2016	90% 2017	91% 2018	NA 2018
5a2 Pre-filled forms Score (0 to 100)	75 2016	75 2017	80 2018	NA 2018
5a3 Online service completion Score (0 to 100)	91 2016	93 2017	94 2018	NA 2018
5a4 Digital public services for businesses Score (0 to 100) - including domestic and cross-border	89 2016	96 2017	97 2018	NA 2018
5a5 Open data % of maximum score	NA	NA	47% 2018	NA 2018
5b1 e-Health services % individuals	NA	NA 2017	NA 2017	NA 2017
5b2 Medical data exchange % of general practitioners	NA	NA	NA 2018	NA 2018
5b3 e-Prescription % of general practitioners	NA	NA	NA 2018	NA 2018