

Measuring the Information Society Report Volume 1

2018



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Measuring the Information Society (MIS) Report

MIS, is an annual report published by ITU since 2009, the 10th edition of the report was launched during the 16th World Telecommunication/ICT Indicators Symposium (WTIS), December 2018 in Geneva, Switzerland.

The report provides data relative to 183 countries in 204 pages, 22 Arab states are included in the report but some of the Arab countries didn't provide all the required information including Syria, Somalia and Comoros. The sources of data concerning Jordan are taken either from the TRC or MoICT surveys.

The report falls in 4 chapters:

Chapter I: The current state of ICTs

This chapter presents an overview of recent trends in the access to and use of information and communication technologies (ICTs), based on data collected by the International Telecommunication Union (ITU) from its Member States.

The main points in the chapter:

- All indicators have consistently been increasing, even when the world economy was going through one of the most serious financial crises ever.
- 51.2 per cent of the world population using the Internet, the world has crossed the halfway line in 2018 in terms of Internet use.
- Broadband access continues to grow strongly.
- Fixed-telephone subscriptions have been in decline for a long time
- Mobile cellular telephone subscriptions keep growing there are already more subscriptions than people on Earth
- Arab States as well as the other countries have improved but still remain one of the lowest regions.

Chart1: Global ICT developments, 2005–2018

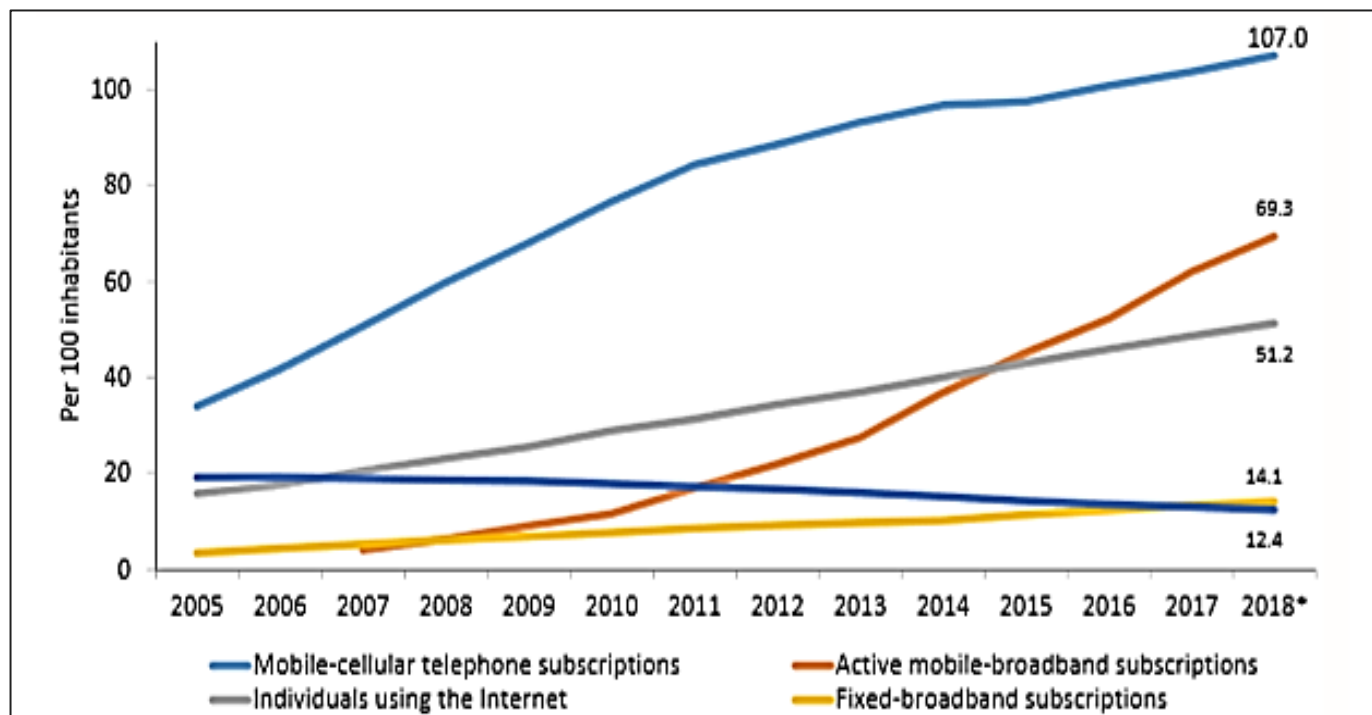
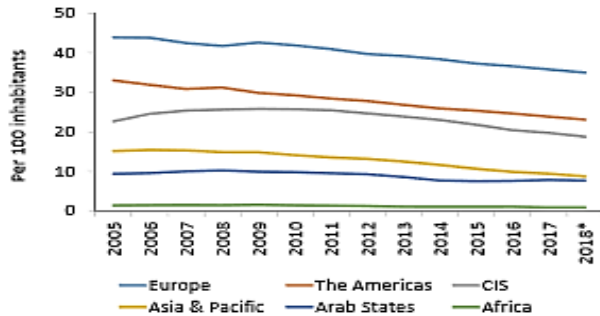


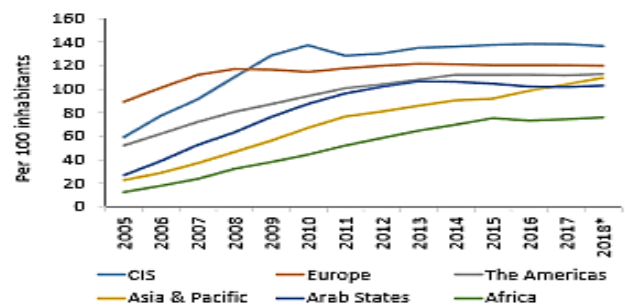
Chart 2: Arab States Improvement 2005-2018:

Chart 1: Fixed-telephone subscriptions per 100 inhabitants, by region, 2005–2018*



Note: * ITU estimate.
Source: ITU.

Chart 2: Mobile-cellular subscriptions per 100 inhabitants, by region, 2005–2018*



Note: * ITU estimate.
Source: ITU.

Chart 3: Fixed-broadband subscriptions per 100 inhabitants, by region, 2005–2018*

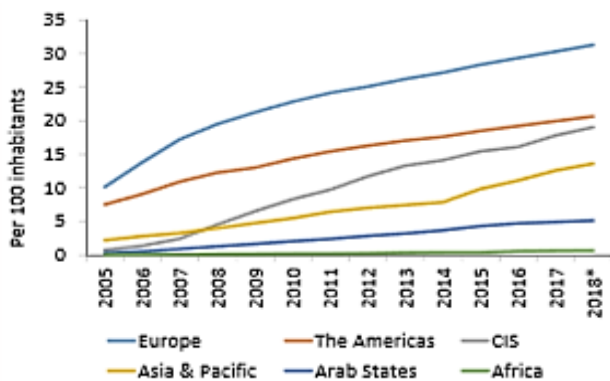
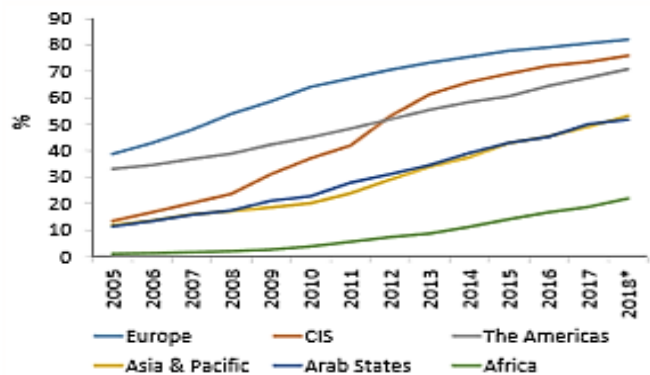


Chart 4: Percentage of households with Internet access at home, by region, 2005–2018*



Chapter II: ICT Skills for the Future

- The trends at the individual level demonstrate how digital skills will be linked increasingly to social and economic well-being:
 - Internet access is rapidly increasing
 - ICT costs have gone down and capacity has increased exponentially
 - Content and services are moving online replacing offline information and services provided, for example, over the telephone or at the counter
 - Using social media and creating content have become common activities
 - There is a shift to the Internet of Things (IoT) and Artificial Intelligence (AI), And other life skills that facilitating the transition to a digital world.

Chapter III: ICT Revenue and Investment Trends

This chapter covers the role of the ICT sector in the economy, and highlights the direct impact of the ICT sector on the economy and on the jobs market. This impact is grounded in industry players' investments in technological improvements which enable innovative products and services.

The main points in the chapter:

- Globally; there is a declining in mobile market; the mobile revenues fell by 7% between 2014 and 2016,
- For Arab countries there is also a decline in mobile market in 2016 compared to 2014
- Jordan revenues for mobile market are declining between 2016-2014

Chart 3: Global mobile revenues

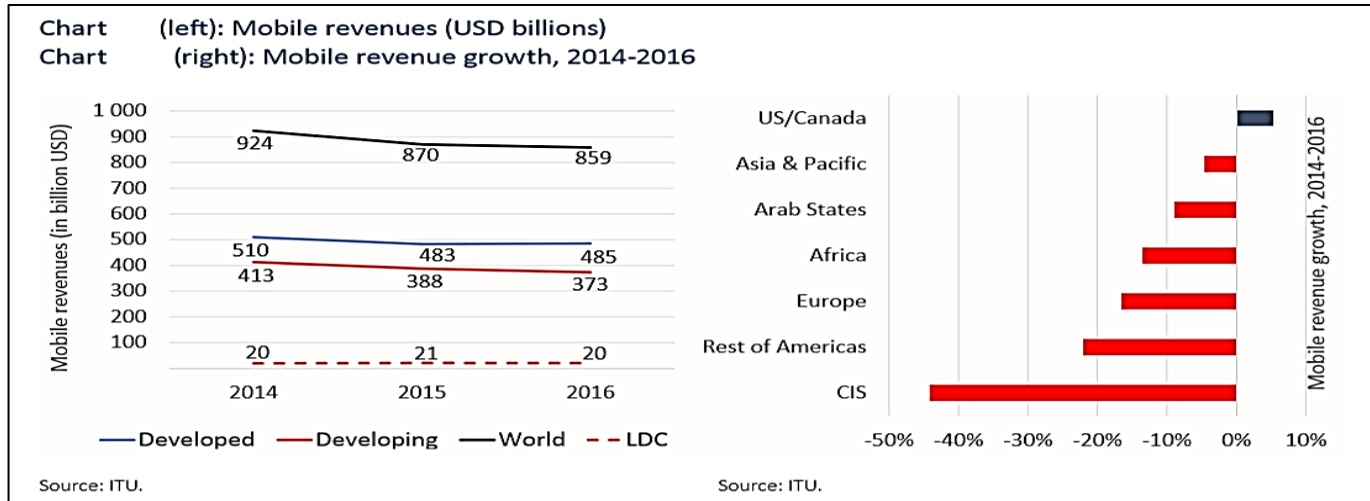


Chart 4: Mobile Revenue in Arab States (USD Millions)

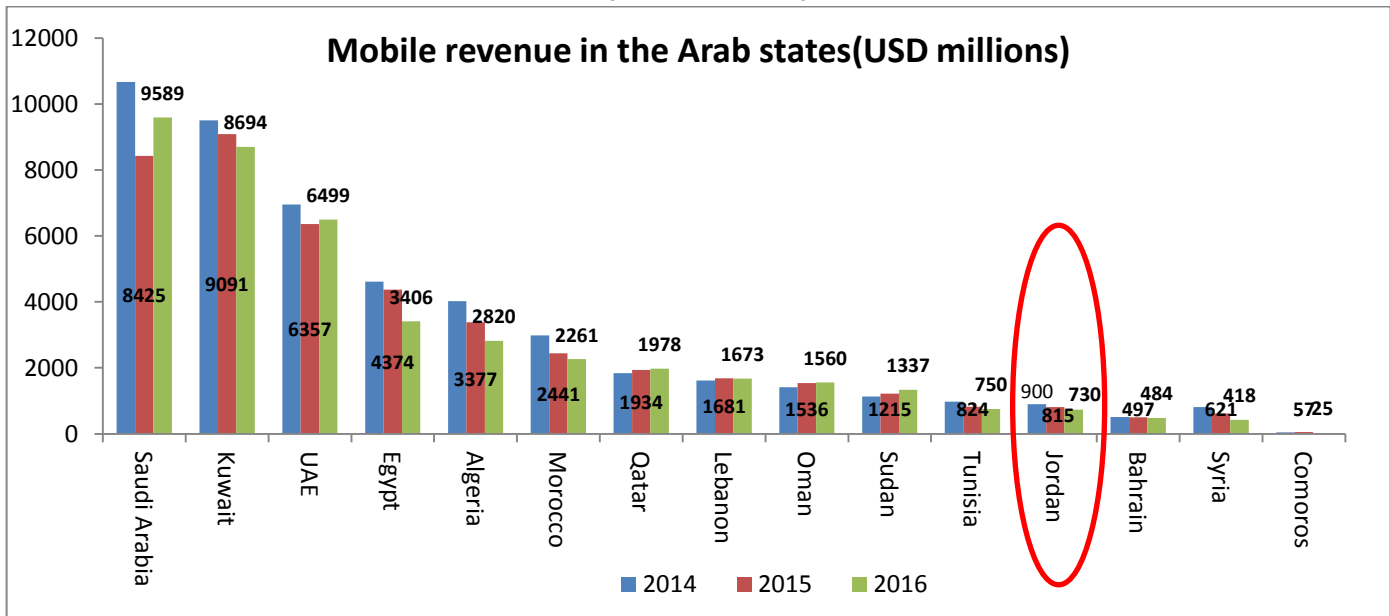


Chart 5: Average Revenue per Users (ARPU) 2014-2016:

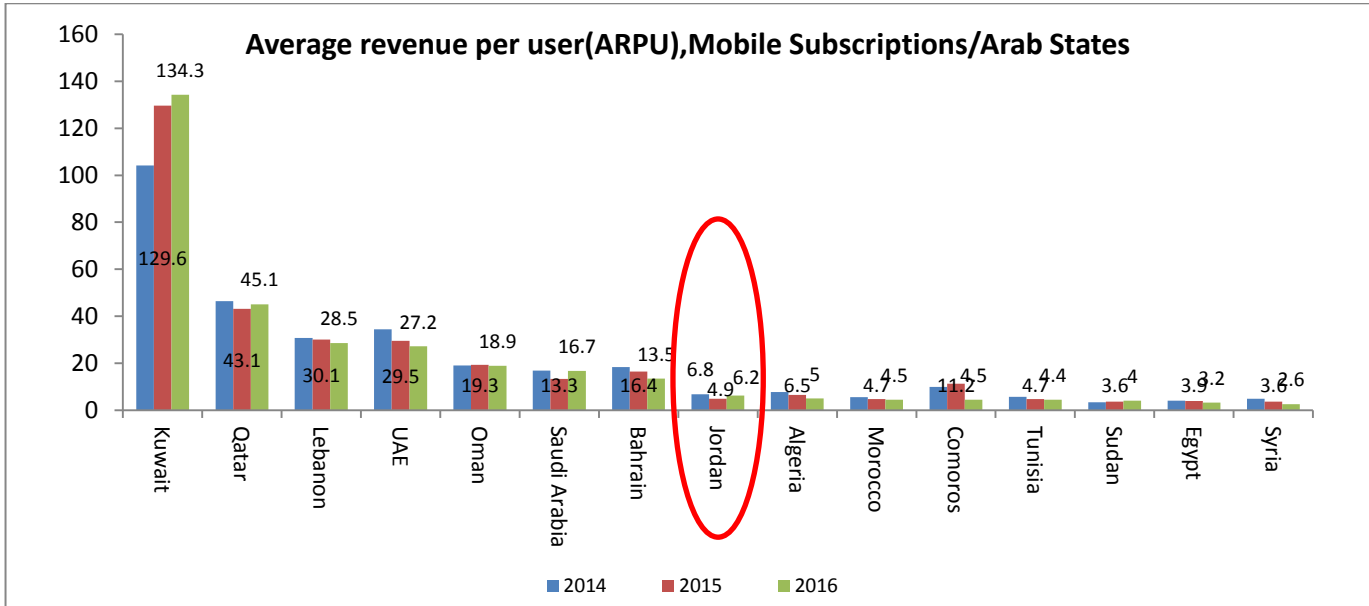
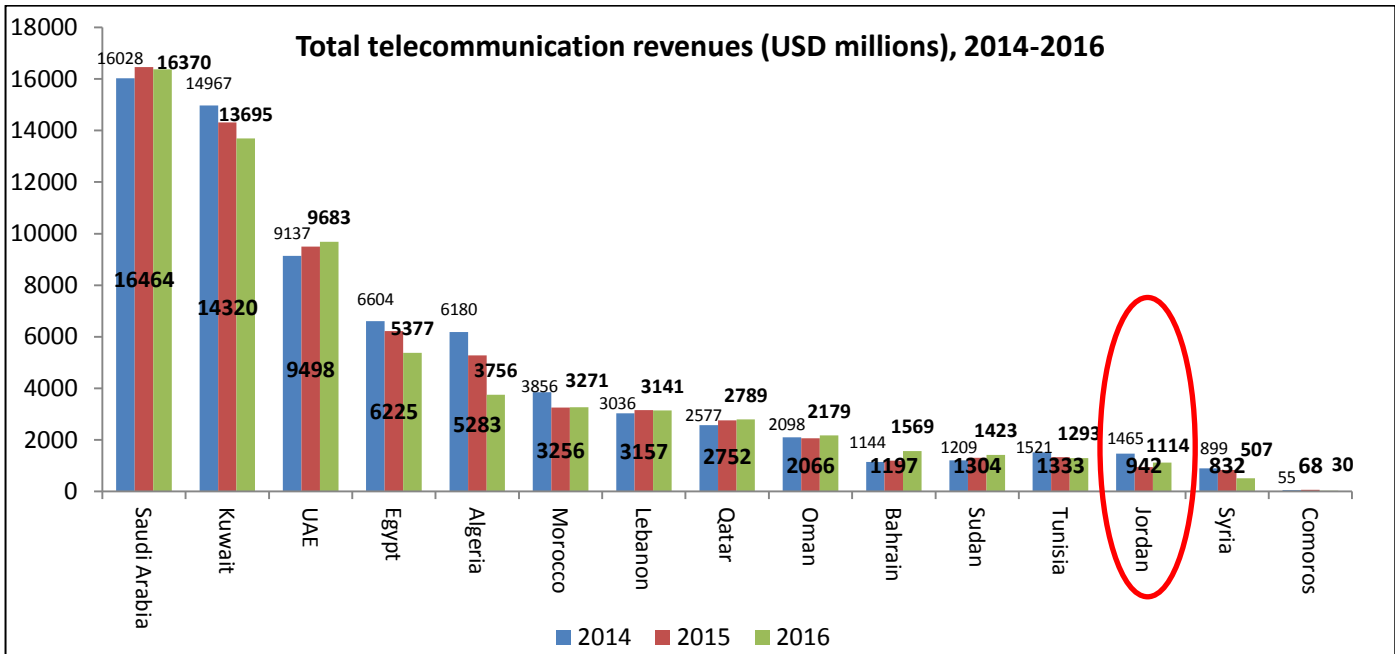


Chart 6: Total Telecommunication Revenue in Arab states (2014 - 2016)



From Voice to Data Revenue

- The rapid pace of smartphone adoption, investment in LTE and fiber technology, and the relatively positive economic growth in recent years, have all helped to fuel growth in data services.
- There is a reduction in the voice revenue but at same time there is an increase in data revenue.

Chart 7: mobile voice revenue

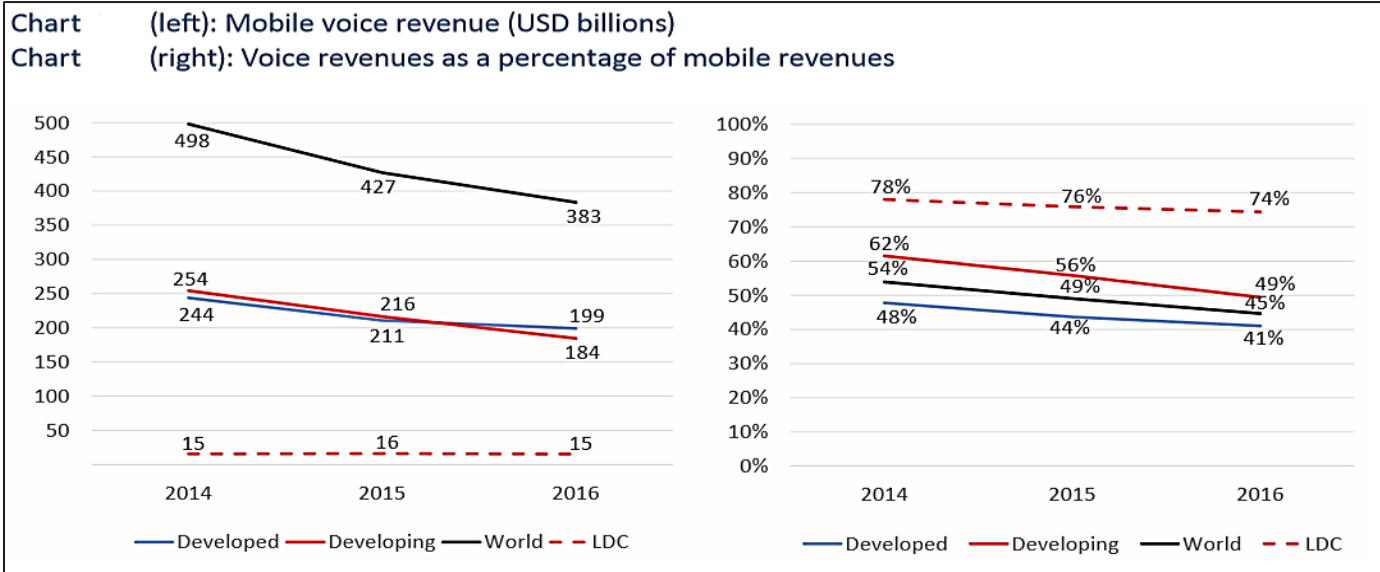


Chart 8: mobile Data Revenue:

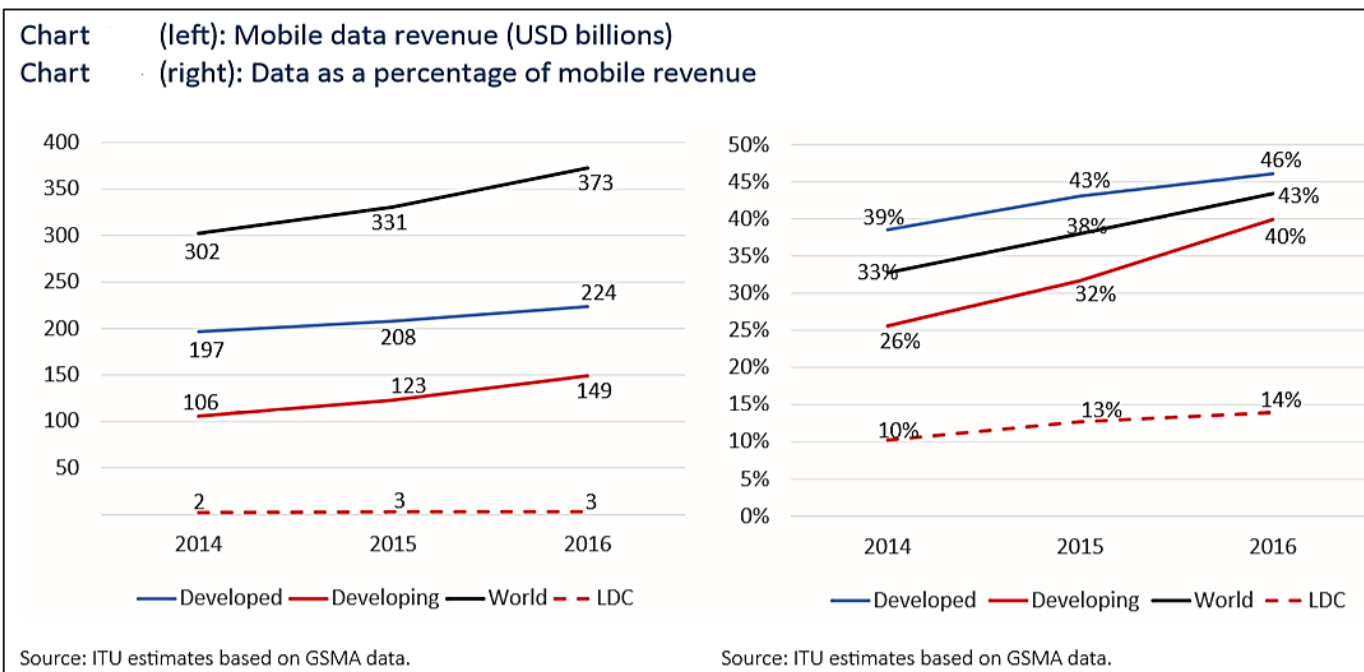
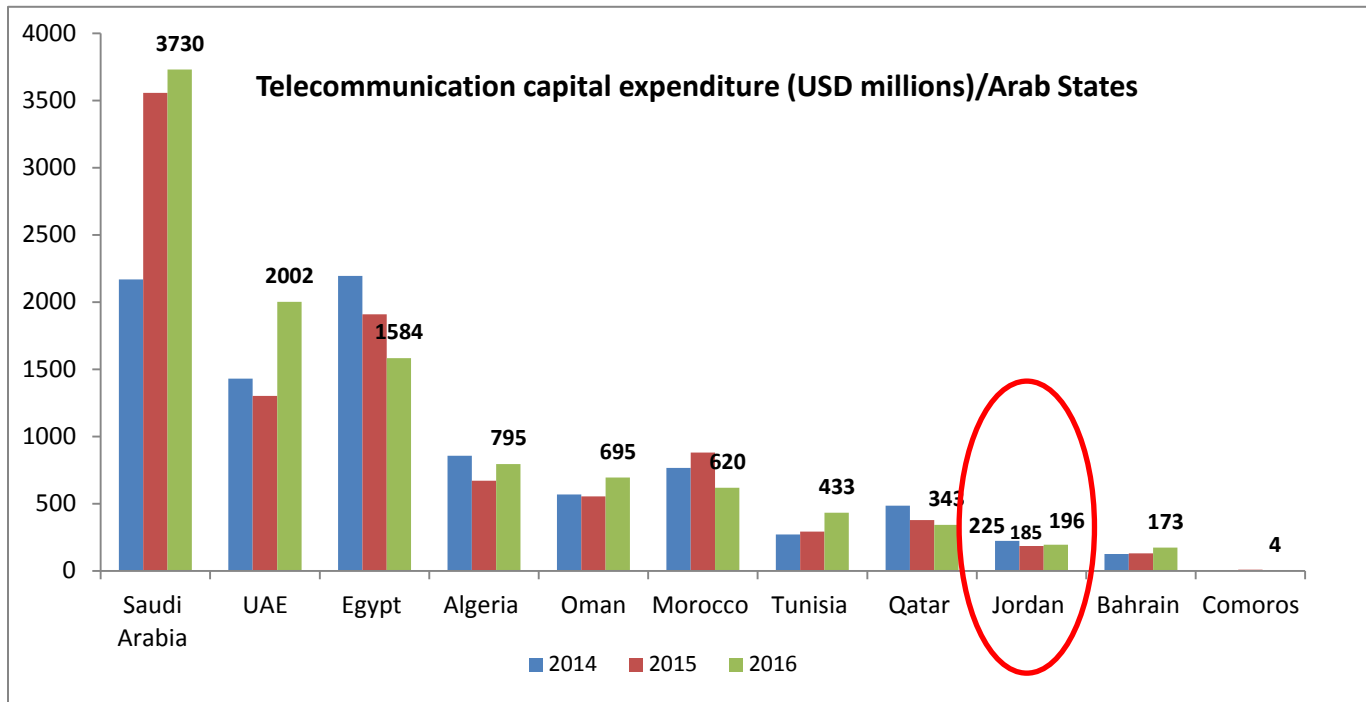
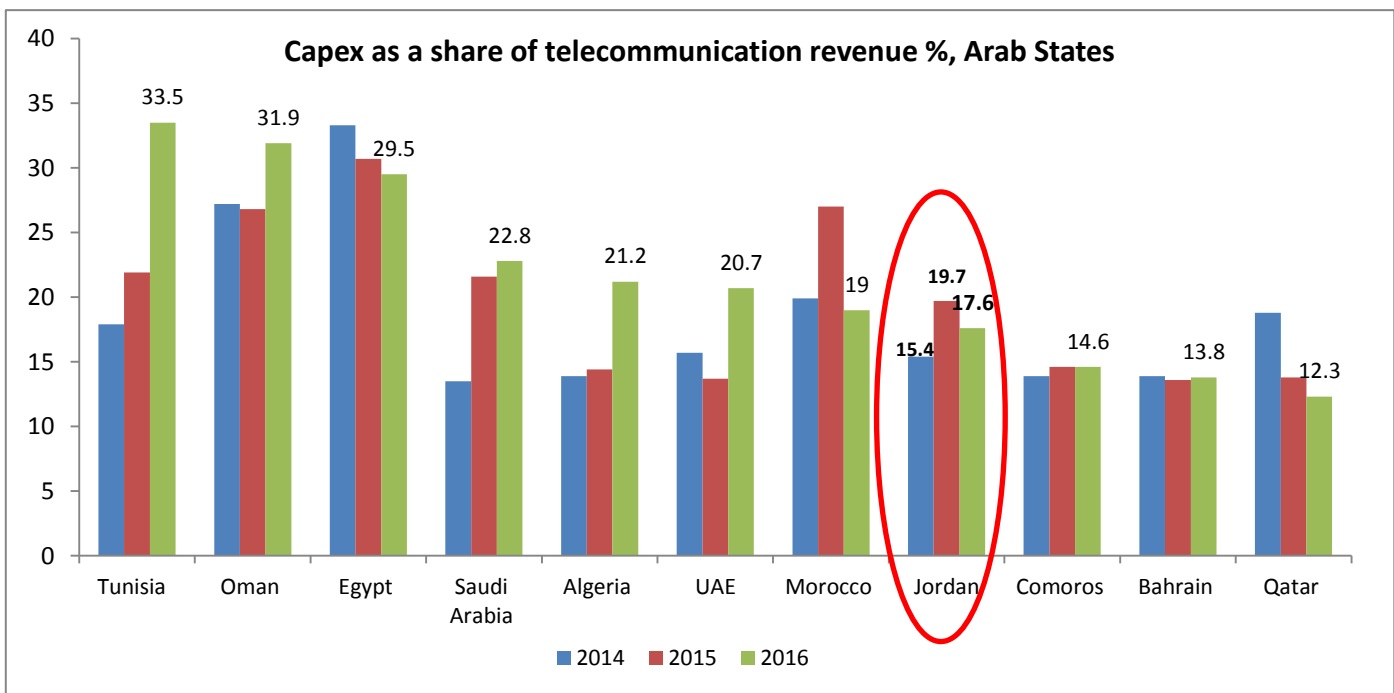


Chart 9: Telecommunications Capital Expenditure 2014-2016:



Capital expenditure in Jordan Telecom sector is one of the lowest countries compared to other Arab countries.

Chart 10: Capex as share of Telecommunication Revenue for Arab States 2014-2016:



Chapter IV: ICT Price Trends

This chapter presents the latest ICT price data collected by ITU and analyses of the price and affordability of three key ICT services (mobile-cellular, fixed-broadband and mobile broadband), benchmarking countries and regions, and highlighting key trends over time.

For the purpose of the calculations of this section, All prices are converted into USD using the IMF's average annual rate of exchange, and into **purchasing power parity (PPP)** using World Bank conversion factors. Prices are also presented as a percentage of countries' monthly **Gross National Income per capita (GNI)** is the dollar value of a country's final income in a year, divided by its population. It reflects the average income of a country's citizens.

The outcomes of the chapter:

- Affordable access to information and communication technologies (ICTs) has been recognized as a key enabler for ICT development by policy-makers at the national and international level, ICT prices have dropped globally in the last decade in parallel with the increase in access and use of ICT services.
- Fixed-broadband services recorded the largest price drop of all ICT services, while fixed broadband subscriptions per 100 inhabitants doubled worldwide.
- Lower prices make ICT services affordable to larger segments of the population, thus contributing to ICT adoption.
- Conversely, higher levels of ICT access and use create the conditions for solid business cases, which allow operators to benefit from economies of scale and scope.
- The price of mobile services are elastic; when prices goes down, penetration goes up
- Global average prices are USD 12.7 per month whereas the Arab States have average prices of about USD 10 per month.
- Comparing, tax rate 2017 in Arab States, Jordan is the highest country with tax on mobile sector
- The price of an entry-level fixed-broadband plan has significantly decreased worldwide in the last decade

Chart 11: subscription per 100 inhabitants:

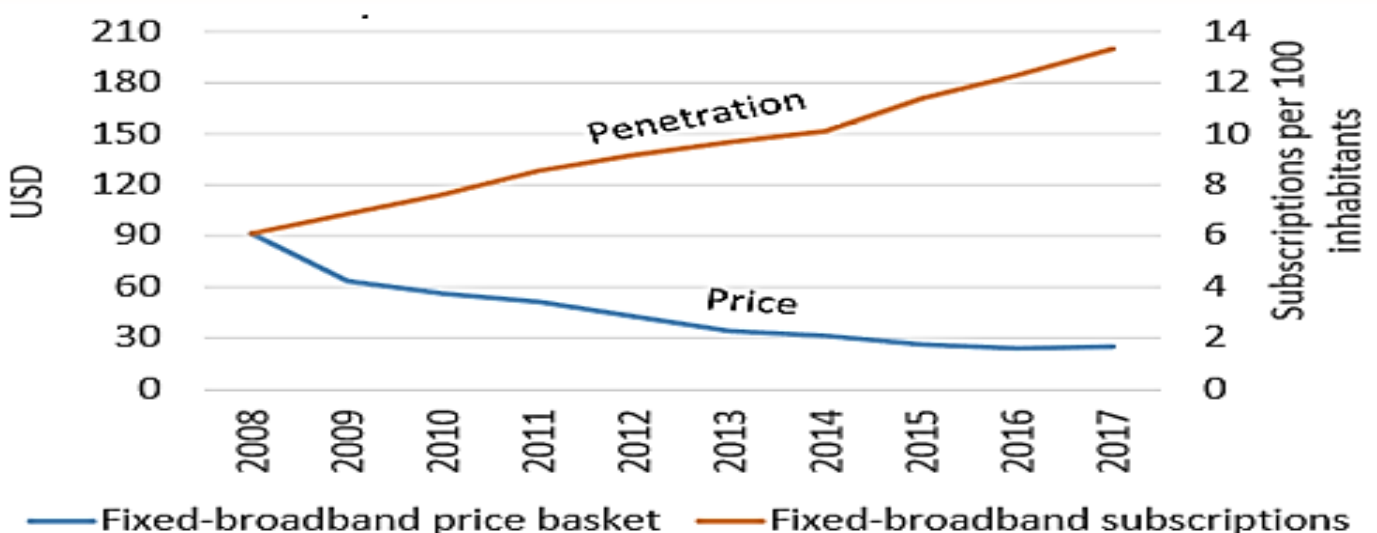


Chart 12: taxes on mobile sector.

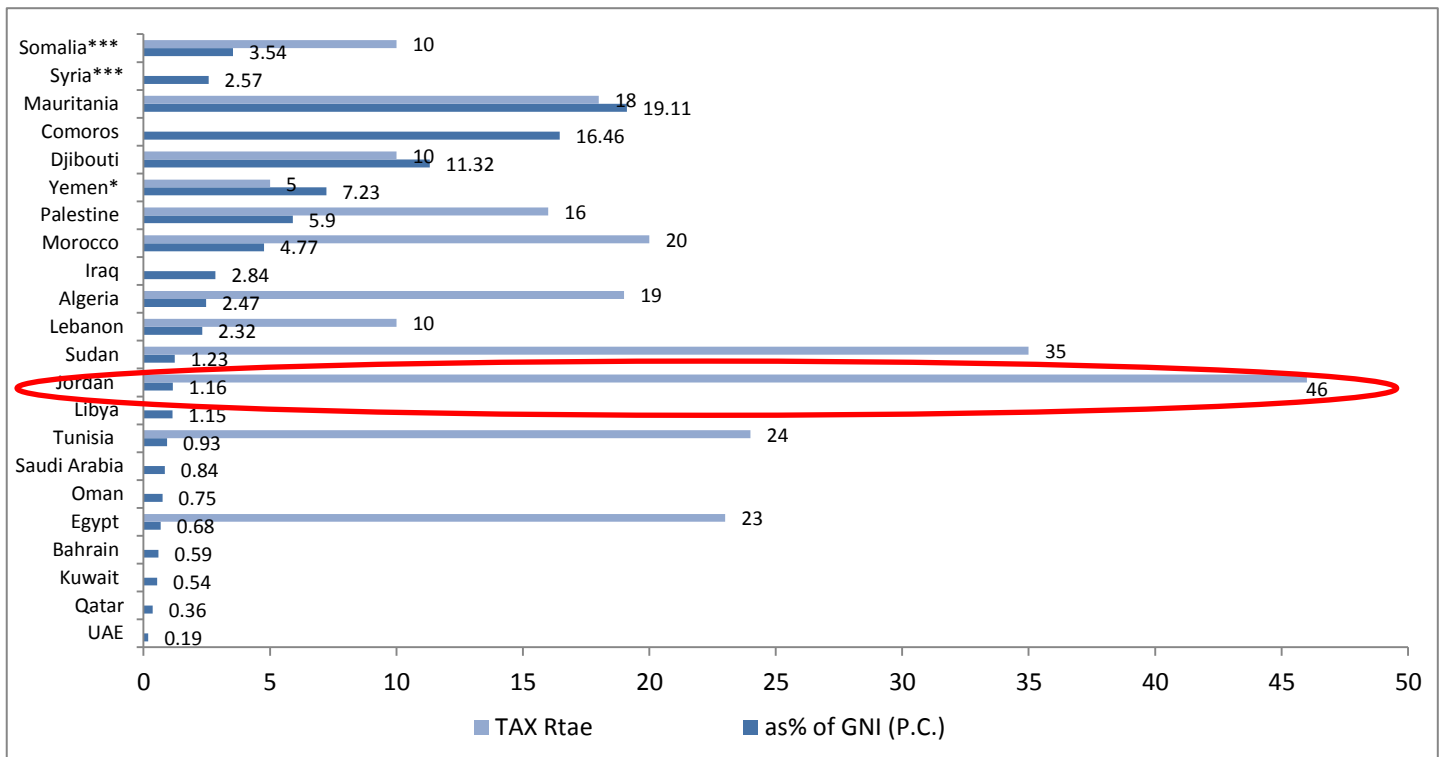


Chart 13: Mobile-broadband basket, postpaid computer-based, 1 GB, 2017

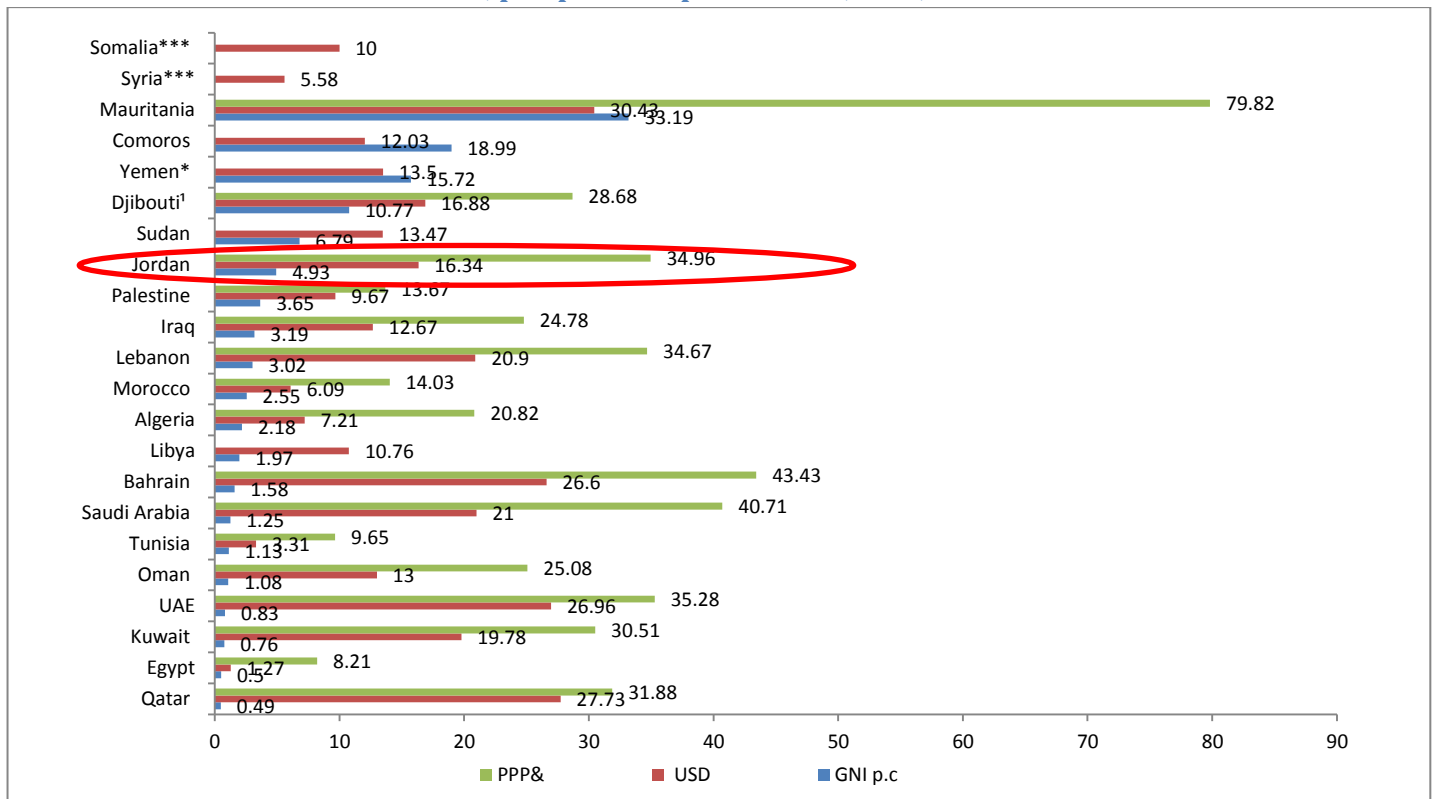


Chart 14: taxes on Mobile-broadband basket, postpaid computer-based, 1 GB, 2017

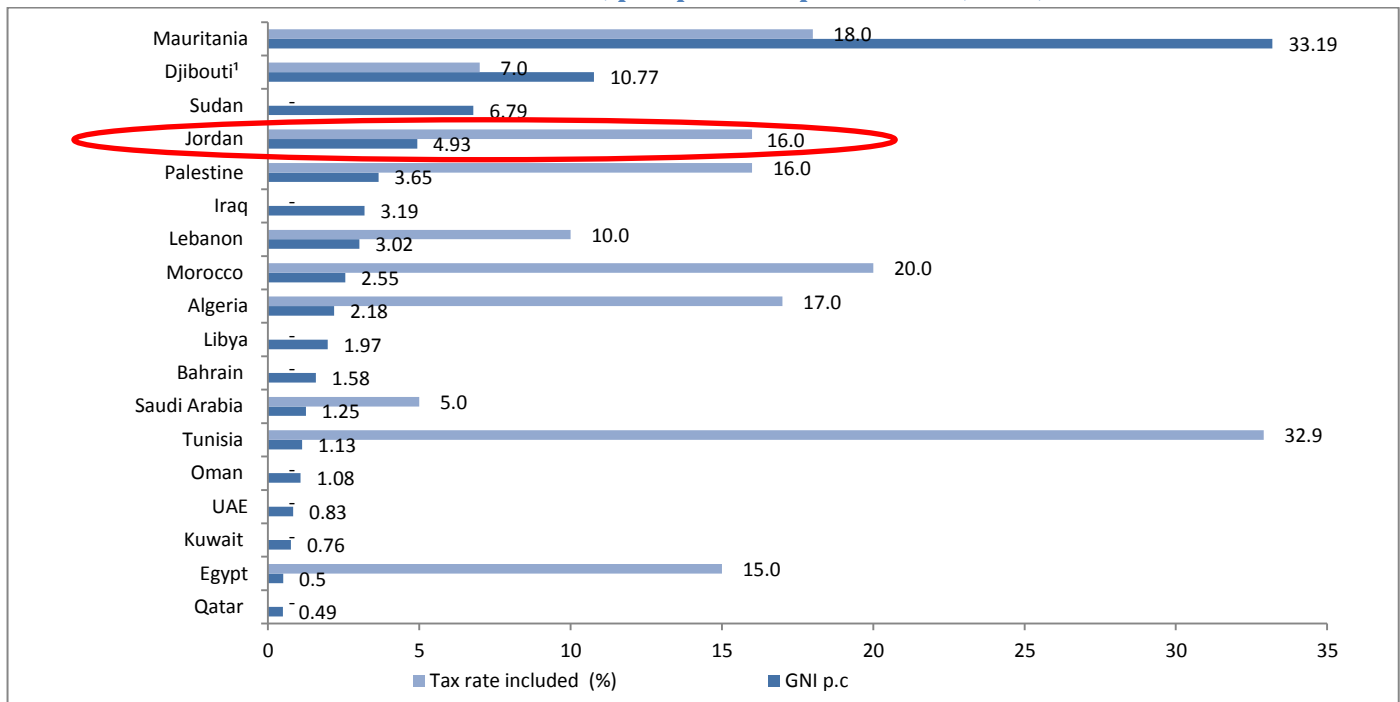


Chart 15: Fixed-broadband prices

