

June, 29<sup>th</sup> 2015

## Monthly Employment and Unemployment Estimates

May 2015

### Unemployment rate estimate for May: 13.2%

The provisional unemployment rate estimate for May 2015 was 13.2%, up 0.4 percentage points from the definitive estimate for April 2015.

The provisional unemployed population estimate for May 2015 was 676.8 thousand people, up 2.9% from the definitive estimate for April 2015 (more 19.1 thousand people). The provisional employed population estimate was 4,444.0 thousand people, 0.5% less than in the previous month (less 22.7 thousand people).

In these estimates, it was considered the population aged 15 to 74 and the values were seasonally adjusted.

#### Introductory note

In the present Press Release, we proceed with the dissemination of the monthly estimates of the employed and unemployed population (and corresponding rates) for May 2015.

The monthly estimates refer to centred moving quarters, where the reference month corresponds to the central month of each moving quarter (see note 1 at the end of the Press Release). In fact, the reference month of the present Press Release (May 2015) corresponds to the central month of the quarter consisting of the months from April to June 2015.

The estimates for May 2015 are provisional, as they correspond to a moving quarter where for the first two months the Labour Force Survey data collection process has been already completed (April and May 2015) and for the third month a forecast was done (June 2015)

based on time series models. In the next Press Release, the final figures for the moving quarter centred in May will be published.

The estimates reported in the present Press Release concerning April 2015 and the previous months are definitive.

Unless otherwise stated, the data series are seasonally adjusted. For this reason, the analysis focuses on the comparison with the most recent periods. The original data series, not seasonally adjusted, are available in Tables 1 and 2 of the annex and at the Statistics Portugal Portal.

The indicators analyzed refer to persons aged 15 to 74 (as in the Eurostat News Release), an option that differs from the one followed at the Statistics Portugal quarterly releases (people aged 15 and over, in line

with the concepts in force from the International Labour Organization).

## Employed population and employment rate

In April 2015, the employed population was estimated to be 4,466.7 thousand people, having increased by 0.1% from the previous month (5.0 thousand), following the growth initiated in February 2015.

In May 2015, the provisional estimate for the employed population was 4,444.0 thousand people, which corresponds to a 0.5% decrease from the previous month (22.7 thousand).

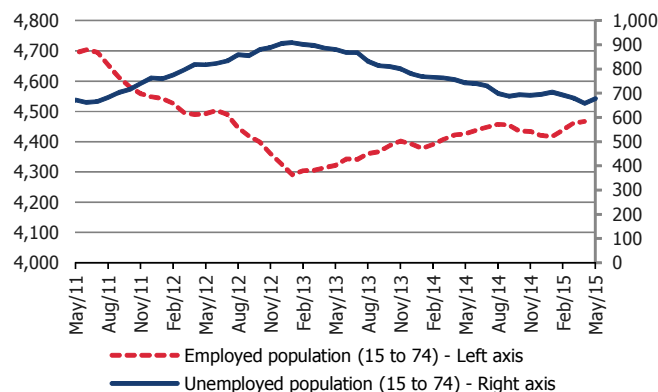
This decrease in the employed population was observed for: men (1.2%; 27.7 thousand), adults (25 to 74 years old) (0.5%; 20.1 thousand) and young people (15 to 24 years old) (1.0%; 2.5 thousand). For women, there was an increase of 5.0 thousand employed people (0.2%) from the previous month.

The employment rate stood at 56.8%, having decreased by 0.2 percentage points (p.p.) from the previous month level.

The employment rate of men (60.2%) exceeded that of women (53.6%) by 6.6 p.p.. The former decreased by 0.7 p.p. from the previous month and the latter increased by 0.1 p.p..

The employment rate of adults was 62.4% and that of young people was 22.4%. Both rates have decreased from last month level, by 0.3 p.p. and 0.2 p.p., respectively.

**Figure 1: Employed and unemployed population**  
(seasonally adjusted data; thousands)



## Unemployed population and unemployment rate

In April 2015, the unemployed population was estimated to be 657.7 thousand people, having decreased by 3.3% from the previous month (22.2 thousand), following a trend that has been observed since February 2015.

In May 2015, the provisional estimate for the unemployed population was 676.8 thousand people, having increased by 2.9% from the previous month (19.1 thousand).

In this month, the unemployed population increased in all groups considered: men (5.3%; 17.2 thousand), adults (2.1%; 11.4 thousand), young people (6.6%; 7.7 thousand) and women (0.6%; 1.9 thousand).

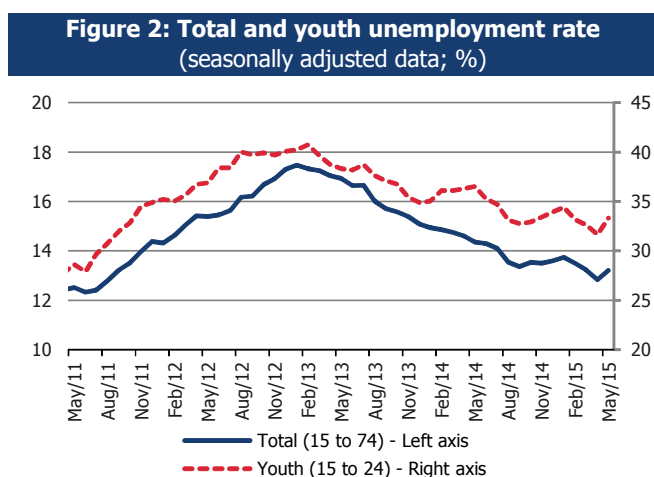
In April 2015, the unemployment rate stood at 12.8%, down 0.4 p.p. from the previous month. This decrease, as for the unemployed population, had also been observed in February and in March 2015.

In May 2015, the provisional estimate for the unemployment rate was 13.2%, up 0.4 p.p. from the previous month level. For this increase contributed the

already mentioned growth in the unemployed population and contraction in the employed population.

In this month, the unemployment rate of women (13.3%) exceeded that of men (13.2%) by 0.1 p.p.. Both rates increased from the previous month (by 0.1 p.p. and 0.7 p.p., respectively).

The youth unemployment rate stood at 33.3%, having increased by 1.6 p.p. from the previous month. The adults' unemployment rate stood at 11.6% and has increased by 0.2 p.p. from the previous month level.



In April 2015, the not seasonally adjusted unemployment rate stood at 12.8%, down 0.6 p.p. from the previous month, following the downward trend initiated in February 2015.

In May 2015, the provisional estimate for the not seasonally adjusted unemployment rate was 13.0%, up 0.2 p.p. from the previous month level and down 1.1 p.p. from May 2014.

**Table 1: Employed population and employment rate by sex and age group (15 to 74)**

	Seasonally adjusted data					Not seasonally adjusted data				
	May 2014	Feb 2015	Mar 2015	Apr 2015	May 2015 (p)	May 2014	Feb 2015	Mar 2015	Apr 2015	May 2015 (p)
	Thousands									
<b>Employed population (15 to 74)</b>	<b>4,425.5</b>	<b>4,438.1</b>	<b>4,461.7</b>	<b>4,466.7</b>	<b>4,444.0</b>	<b>4,439.1</b>	<b>4,409.1</b>	<b>4,448.2</b>	<b>4,465.9</b>	<b>4,458.6</b>
Men (15 to 74)	2,273.3	2,273.9	2,278.8	2,285.6	2,257.9	2,278.9	2,253.6	2,265.9	2,281.8	2,263.7
Women (15 to 74)	2,152.2	2,164.3	2,182.9	2,181.1	2,186.1	2,160.2	2,155.5	2,182.3	2,184.0	2,194.9
Youth (15 to 24)	239.2	248.9	249.3	249.7	247.2	234.1	242.0	245.8	245.0	242.9
Adults (25 to 74)	4,186.3	4,189.3	4,212.4	4,216.9	4,196.8	4,205.0	4,167.1	4,202.4	4,220.9	4,215.6
<b>%</b>										
<b>Employment rate (15 to 74)</b>	<b>56.3</b>	<b>56.6</b>	<b>56.9</b>	<b>57.0</b>	<b>56.8</b>	<b>56.4</b>	<b>56.3</b>	<b>56.8</b>	<b>57.0</b>	<b>56.9</b>
Men (15 to 74)	60.3	60.5	60.7	60.9	60.2	60.4	60.0	60.4	60.8	60.3
Women (15 to 74)	52.5	53.0	53.5	53.5	53.6	52.7	52.8	53.5	53.5	53.8
Youth (15 to 24)	21.7	22.6	22.6	22.6	22.4	21.2	21.9	22.3	22.2	22.0
Adults (25 to 74)	61.9	62.2	62.6	62.7	62.4	62.2	61.9	62.4	62.7	62.7

Source: Statistics Portugal, Labour Force Survey.

Note: (p) - Provisional estimates.

**Table 2: Unemployed population and unemployment rate by sex and age group (15 to 74)**

	Seasonally adjusted data					Not seasonally adjusted data				
	May 2014	Feb 2015	Mar 2015	Apr 2015	May 2015 (p)	May 2014	Feb 2015	Mar 2015	Apr 2015	May 2015 (p)
	Thousands									
<b>Unemployed population (15 to 74)</b>	<b>742.3</b>	<b>692.8</b>	<b>679.9</b>	<b>657.7</b>	<b>676.8</b>	<b>728.9</b>	<b>712.9</b>	<b>690.7</b>	<b>658.1</b>	<b>664.4</b>
Men (15 to 74)	368.5	337.5	341.3	325.3	342.5	363.5	346.8	348.9	327.0	338.1
Women (15 to 74)	373.8	355.3	338.5	332.4	334.3	365.5	366.1	341.8	331.1	326.3
Youth (15 to 24)	137.5	123.6	120.7	115.8	123.5	129.3	127.0	120.2	111.4	116.0
Adults (25 to 74)	604.8	569.2	559.1	541.9	553.3	599.6	585.9	570.5	546.7	548.5
<b>%</b>										
<b>Unemployment rate (15 to 74)</b>	<b>14.4</b>	<b>13.5</b>	<b>13.2</b>	<b>12.8</b>	<b>13.2</b>	<b>14.1</b>	<b>13.9</b>	<b>13.4</b>	<b>12.8</b>	<b>13.0</b>
Men (15 to 74)	13.9	12.9	13.0	12.5	13.2	13.8	13.3	13.3	12.5	13.0
Women (15 to 74)	14.8	14.1	13.4	13.2	13.3	14.5	14.5	13.5	13.2	12.9
Youth (15 to 24)	36.5	33.2	32.6	31.7	33.3	35.6	34.4	32.8	31.3	32.3
Adults (25 to 74)	12.6	12.0	11.7	11.4	11.6	12.5	12.3	12.0	11.5	11.5

Source: Statistics Portugal, Labour Force Survey.

Notes: (p) - Provisional estimates.

## 1. PRESENTATION NOTE OF THE MONTHLY RELEASE OF LABOUR FORCE SURVEY ESTIMATES

### BRIEF SYNTHESIS

With the release of the results for October 2014, Statistics Portugal initiated a monthly release of Labour Force Survey estimates for the main labour market indicators in addition to the usual quarterly estimates releases (for more information, see detailed note previously disclosed, only available in Portuguese). In the present Press Release, we proceed with the dissemination of the monthly estimates for May 2015.

With this initiative, Statistics Portugal intends to provide to users monthly updated information on labour market recent developments, allowing, at the same time, a more complete reading picture than that provided so far by Eurostat in its monthly releases of the unemployed population and unemployment rate estimates for Portugal. With this dissemination, Statistics Portugal satisfies also a specific requirement from the PEEIs (Principal European Economic Indicators).

Taking advantage of the continuous nature of the Labour Force Survey collection process (see the "Technical note", below), it is possible to monthly obtain estimates related to successive sets of three months (moving quarters), assuring consistency with the quarterly released estimates. The use of data collected exclusively from the Labour Force Survey leads to revisions of smaller size than those arising from models that also use administrative data (registered unemployment).

The monthly estimates refer to *centred* moving quarters, where the reference month corresponds to the central month of each moving quarter. In fact, the reference month of the present Press Release (May 2015) corresponds to the central month of the quarter consisting of the months from April to June 2015.

As a consequence, the monthly changes are calculated on values that contain common months. The comparison of moving quarters without common months should be done in relation to reference months three months earlier.

The option for disseminating centred moving quarters series aimed at avoiding delays in the detection of turning points in the economic cycle that arise from the use of simple moving averages, but it implies that the estimates for the latest released moving quarter are provisional (see "Revisions" section, below).

As estimates of centred moving quarters, the values (not seasonally adjusted) of the reference months February, May, August and November of each year correspond to the estimates of the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> natural quarters, respectively, whose results are published and analyzed with greater detail in the quarterly releases of the Labour Force Survey estimates.

#### Information available

The data series selected for monthly releases refer to both employed and unemployed population, by sex and age group, and to the corresponding rates. In relation to these data series, it should be noted the following:

- For the purpose of creating long monthly data series needed for subsequent adjustment of seasonality, the two latest data series of the Labour Force Survey (from 1998 to 2010; from 2011 onwards) were previously linked.
- The data series analyzed in this Press Release are seasonally adjusted. For this reason, the analysis focuses on the comparison with the most recent periods. As agreed, Eurostat started using these estimates in its unemployment monthly releases. The original data series (not seasonally adjusted; as in the Statistics Portugal quarterly releases), are available in Tables 1 and 2 of the annex and at the Official Statistics Portal.
- The indicators analyzed in this Press Release were calculated for the age subgroup of those aged 15 to 74 (as in the Eurostat News Release), which differs from the criterion adopted at the Statistics Portugal quarterly releases (people aged 15 and over, in line with the concepts in force of the International Labour Organization).

The back series for all the released and analyzed indicators in this Press Release, since February 1998 (quarter from January to March 1998), are available at the Statistics Portugal Portal.

*(to be continued)*

(continuation)

## Revisions

The monthly released data are subject to revisions. The revisions come, on one hand, from the updating of the seasonally adjusted data series whenever a new observation is added and, on the other hand, from the definitive estimates then obtained for the last month (moving quarter).

The estimates for the latest month (moving quarter) are provisional, since this quarter is composed of two months for which the data collection process from the Labour Force Survey has been completed and of one month for which a forecast was done based on time series models (state space approach for exponential smoothing models). In the next Press Release, as the collection process for the three months of that quarter will have already been concluded, the corresponding estimates will be revised and their definitive values will be published.

The impact of those revisions, measured by the difference between the estimates now released for April 2015 (definitive estimates) and the ones for that month published in the last Press Release, is the following:

Revision of April 2015 estimates - main indicators			
	Unit	Seasonally adjusted data	Not seasonally adjusted data
Employed population (15 to 74)	Thousands	- 19.6	- 22.1
Unemployed population (15 to 74)		- 10.1	- 11.7
Employment rate (15 to 74)		- 0.3	- 0.3
Unemployment rate (15 to 74)	p.p.	- 0.2	- 0.2
Youth unemployment rate (15 to 24)		0.5	0.8
Adults' unemployment rate (25 to 74)		- 0.1	- 0.1

## 2. TECHNICAL NOTE

The main purpose of the Labour Force Survey is to characterise the labour market situation of the population. It is a quarterly sample survey, addressed to families occupying dwellings in the national territory, which produces quarterly and annual data results.

Most of the characteristics observed in this survey report to the situation in one pre-defined week (from Monday to Sunday), known as *reference week*. Reference weeks are uniformly distributed throughout the quarters and years. The interviews usually take place in the week following the reference week. These characteristics allow obtaining monthly estimates for three months periods while keeping the quarterly estimates precision levels.

The information is obtained directly, by means of computer-assisted interviews, by using a mixed data collection mode: the initial interview is done face-to-face by an interviewer visiting the household and the other five subsequent interviews are done by telephone, if certain requirements are met.

Published data were calibrated by using the population estimates calculated from the final results of Census 2011.

### Concepts

**Unemployed:** person aged 15 and 74 who, during the reference period, was simultaneously in the following situations:

- without work, i.e. was not in paid employment or self-employment;
- seeking work, i.e. had taken specific steps in a specified recent period (reference period or the three previous weeks) to seek paid employment or self-employment; and
- currently available for work, i.e. was available for paid employment or self-employment during the reference period.

**Employed:** person aged 15 and over who, during the reference period, was in one of the following situations:

- did any work for pay or profit for at least one hour, including a familiar gain in money or gender;
- was not working but had jobs from which was temporarily absent;
- had a business, but was temporarily not working for a specific reason;
- was in a pre-retirement situation while working.

**Unemployment rate:** ratio between the unemployed population and the labour force.

$U.R. (\%) = (\text{Unemployed population} / \text{Labour force}) \times 100$

**Employment rate (15 and over):** ratio between the employed population and the working age total population (15 and over).

$E.R. (\%) = (\text{Employed population} / \text{Total population 15 and over}) \times 100$

For the indicators selected for monthly dissemination, it was considered the age subgroup of those aged 15 to 74 (see Note 1).

For a more detailed definition on the concepts and the methodological characteristics of the Labour Force Survey, see the quarterly publication "Employment Statistics", available only in Portuguese, at [http://www.ine.pt/portal/page/portal/PORTAL\\_INE/Publicacoes](http://www.ine.pt/portal/page/portal/PORTAL_INE/Publicacoes).

Due to rounding, totals may not correspond exactly to the sum of the parts.

### Next Press Release:

30 July 2015: "Employment and Unemployment Statistics – June 2015".

31 July 2015: Eurostat News Release.