

## 4.5 Educational Attainment and Employment

### 4.5.1 Economic Activity by Educational Attainment

A literate, well-educated labor force is essential for sustainable economic development. The economic activity and occupational status differs by educational level of the population. Table 4.6 shows the percent of the population aged 7 and over by economic activity status for each educational attainment and sex. In this table, column of “Total” in “Economically Active” means “economic activity rate”, column of “Employed” means “employment rate” and “Unemployed” may correspond to “unemployment rate.” According to the table, persons with “lower secondary” show the highest percent of economically active (72.2%), while those with “primary not completed” show the lowest (56.4%) for both sexes. By sex, males with "lower secondary" show the highest (76.4 %) and those with “primary not completed” show the lowest (55.5%). Females also indicates similar tendency like males, females with "lower secondary" show the highest economic activity (66.6%) and those with “primary not completed” shows the lowest (57.2%). Difference of economic activity rates by educational attainment seems to be greater for males than for females.

**Table 4.6 Percent of Population Aged 7 and over by Status of Economic Activity, Educational Attainment and Sex , 2013**

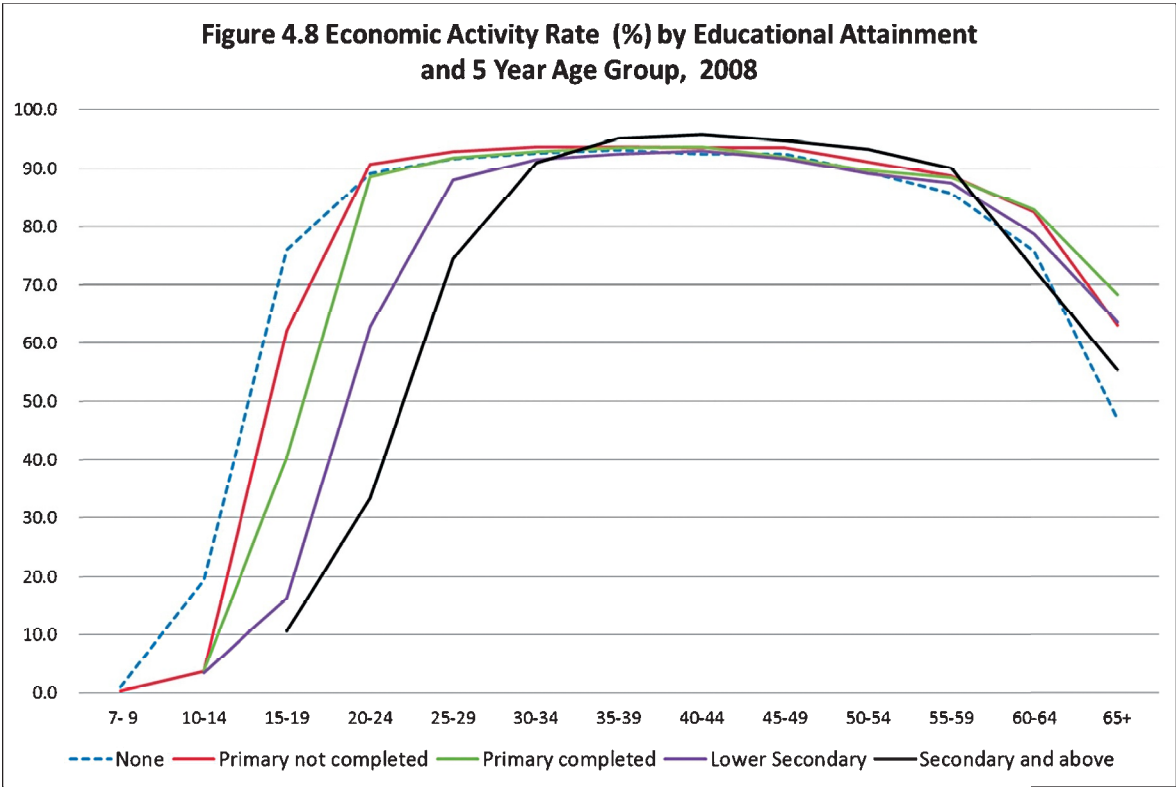
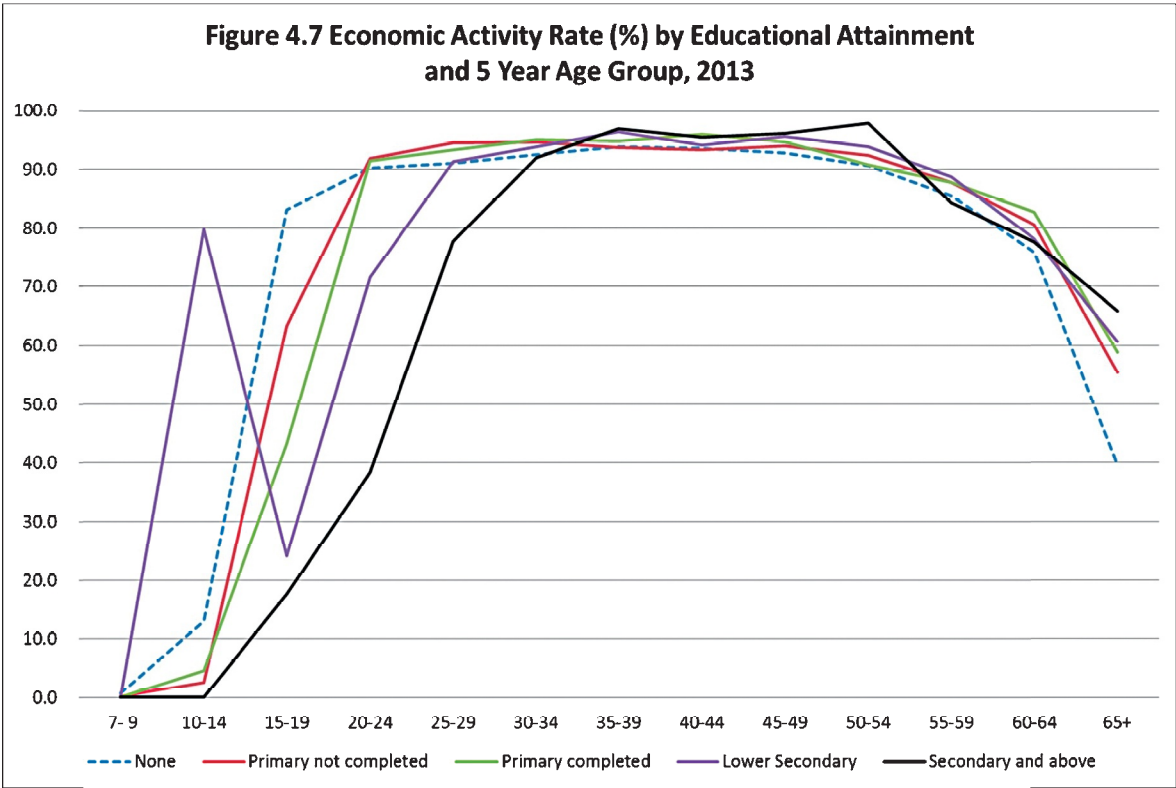
Educational Attainment and Sex		Economically Active			Not in Economically
		Total	Employed	Unemployed	
Total	Both sexes	65.3	63.7	1.6	34.7
	Males	67.1	65.6	1.5	32.9
	Females	63.7	61.9	1.7	36.3
No Education	Both Sexes	66.4	64.3	2.1	33.6
	Males	67.1	65.1	1.9	32.9
	Females	66.0	63.9	2.1	34.0
Primary Not Completed	Both Sexes	56.4	55.2	1.1	43.6
	Males	55.5	54.5	0.9	44.5
	Females	57.2	55.9	1.3	42.8
Primary Completed	Both Sexes	71.5	69.9	1.5	28.5
	Males	73.9	72.4	1.5	26.1
	Females	68.9	67.3	1.6	31.1
Lower Secondary	Both Sexes	72.2	70.2	2.0	27.8
	Males	76.4	74.5	1.9	23.6
	Females	66.6	64.5	2.1	33.4
Secondary and above	Both Sexes	66.9	64.9	2.0	33.1
	Males	70.1	68.3	1.8	29.9
	Females	61.8	59.6	2.2	38.2

Table 4.7 indicates relations with educational attainment and employment. The better educated persons generally have more chance to get job. Persons with secondary and above educational attainment have the highest economic activity rate (77.5%), while the less educated persons with no educational attainment have the lowest (49.3%) in 1998. However, the situation has changed that the highest economic activity rate was found among persons with no education (68.1%) in 2008 and those with lower secondary (72.2%) in 2013. While the primary not completed persons have the lowest, 56.0% and 56.4% in 2008 and 2013, respectively.

The unemployment rate is much lower in 2008 than that in 1998, irrespective of the educational attainment and sex. However the rate rose in 2013. The better educated persons tend to be higher unemployment rate than the less educated persons in 2013 as well as in 1998 and 2008. However, males with no education has the highest unemployment rate (2.9%), followed by males with secondary and above (2.6%) in 2013.

<b>Table 4.7 Economic Activity Rate and Unemployment Rate for Population Aged 7 and over</b>						
<b>by Educational Attainment, and Sex, 1998, 2008, 2013</b>						
Sex, Year	Total	No Education	Primary Not Completed	Primary Completed	Lower Secondary	Secondary and above
	Economic Activity Rate (%)					
Both Sexes, 1998	55.5	49.3	53.9	67.8	68.4	77.5
Males	56.5	43.5	54.1	72.5	72.8	80.5
Females	54.6	52.8	53.2	60.8	60.9	69.9
Both Sexes, 2008	61.7	68.1	56.0	63.4	63.2	64.4
Males	62.5	66.3	55.0	66.8	67.8	68.3
Females	60.9	69.1	56.9	59.5	56.4	57.0
Both Sexes, 2013	65.3	66.4	56.4	71.5	72.2	66.9
Males	67.1	67.1	55.5	73.9	76.4	70.1
Females	63.6	66.0	57.2	68.9	66.6	61.8
	Unemployment Rate (%)					
Both Sexes, 1998	5.3	5.2	5.2	5.9	5.4	5.3
Males	4.7	5.4	4.4	4.6	4.6	4.9
Females	5.9	5.1	5.2	8.1	7.1	6.5
Both Sexes, 2008	1.7	1.5	1.4	1.8	2.3	2.4
Males	1.5	1.6	1.3	1.5	1.8	1.9
Females	1.8	1.5	1.5	2.2	3.1	3.5
Both Sexes, 2013	2.5	3.1	2.0	2.2	2.7	2.9
Males	2.2	2.9	1.7	2.0	2.4	2.6
Females	2.7	3.2	2.3	2.3	3.2	3.5

The population aged 7 and over includes a great amount of school age population. Accordingly, economically active status is affected by amount of those population at younger ages. In order to avoid the effect of such population, age-specific economic activity rates were calculated by educational attainment and sex.



Figures 4.7 and 4.8 show the economic activity rates by age group for educational attainment level as of 2008 and 2013. Looking those figures, it can be said that less educated persons aged under 30-34 have higher economic activity rates than those for better educated persons shown in 2013 as well as in 2008. Better educated persons with secondary and above educational attainment aged between 35-39 and 50-54 have higher economic activity rates than those with under lower secondary as of 2008 and 2013. Comparing with Figure 4.8, persons aged 10-14 with lower secondary has shown strange economic activity rate in Figure 4.7, which might be sample problem of the survey in 2013.

#### 4.5.2 Educational Attainment of Population by Occupation

Table 4.8 shows the percentage distribution of employed population in each educational category by major group of occupation as of 2013. The proportion of population engaging in agriculture, forestry and fishery decreases generally with improvement of the educational attainment. The proportion engaging in agriculture, forestry and fishery of persons with no education and secondary above educational attainment are 80% and 7%, respectively. The opposite pattern is observed in the proportions engaged in managers, professionals and clerks, sales and service workers. These proportions are increasing with improvement of the educational level.

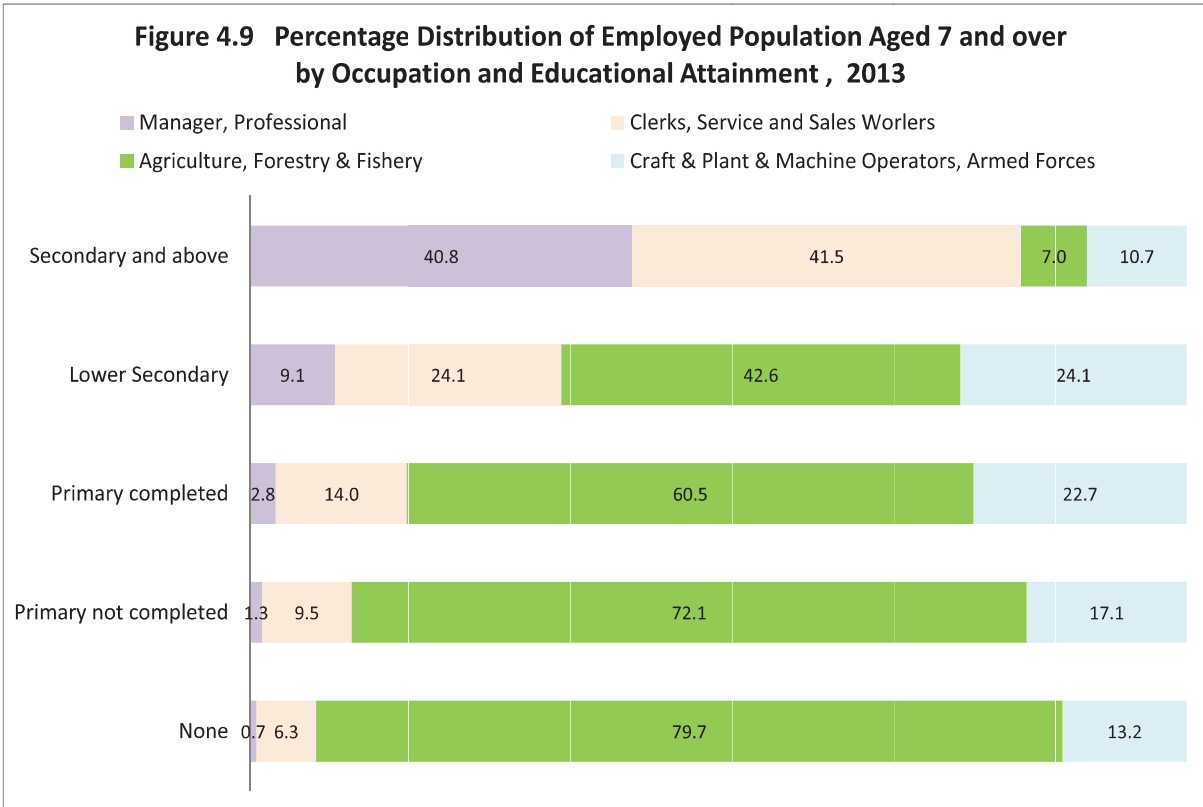
**Table 4.8 Percent of Employed Population Aged 7 and over by Educational Attainment, Occupation, and Sex, 2013**

Occupation	Employed Population	None (Illiterate & No Education)	Primary not completed	Primary completed	Lower Secondary	Secondary and above
Both Sexes	8,123,833	1,863,490	2,292,306	2,087,063	1,497,506	378,967
Armed Forces	0.8	0.3	0.4	0.9	1.7	2.1
Managers	0.6	0.1	0.4	0.6	1.1	2.6
Professionals	3.0	0.2	0.6	1.4	5.7	28.0
Technicians & Associate Professionals	1.3	0.4	0.3	0.8	2.3	10.3
Clerical Support Workers	2.3	0.1	0.3	1.1	4.6	22.5
Services & Sales Workers	11.8	6.2	9.2	12.9	19.5	19.0
Skilled Agricultural, Forestry & Fishery Workers	62.3	79.7	72.1	60.5	42.6	7.0
Craft & Related Workers	10.0	4.7	8.9	13.8	14.2	6.0
Plant & Machine Operators, & Assemblers	1.9	0.7	1.4	2.3	3.6	1.5
Elementary Occupations	5.9	7.6	6.4	5.8	4.6	1.1
Note: Population includes Occupation "Not reported".						
Employed Population includes persons who didn't reply literacy status and educational level.						

**Table 4.8 Percent of Employed Population Aged 7 and over by Educational Attainment, Occupation, and Sex, 2013 (Continued)**

Occupation	Employed Population	None (Illiterate & No Education)	Primary not completed	Primary completed	Lower Secondary	Secondary and above
Males	4,020,380	689,265	1,065,200	1,109,990	907,575	245,103
Armed Forces	1.5	0.6	0.8	1.6	2.5	3.0
Managers	1.0	0.2	0.7	1.0	1.4	3.0
Professionals	3.5	0.3	0.7	1.4	5.7	24.8
Technicians & Associate Professionals	1.7	0.5	0.5	1.0	2.2	10.7
Clerical Support Workers	3.0	0.3	0.3	1.2	4.6	25.3
Services & Sales Workers	8.6	3.1	5.3	8.6	14.7	15.5
Skilled Agricultural, Forestry & Fishery Workers	60.2	78.4	72.7	62.2	43.9	7.5
Craft & Related Workers	9.1	4.4	7.2	11.0	13.0	6.8
Plant & Machine Operators, & Assemblers	3.6	1.6	2.9	4.1	5.8	1.9
Elementary Occupations	7.8	10.5	8.8	8.0	6.1	1.4
Females	4,103,453	1,174,225	1,227,106	977,074	589,930	133,864
Armed Forces	0.2	0.1	0.1	0.2	0.3	0.4
Managers	0.2	0.1	0.1	0.2	0.7	1.8
Professionals	2.5	0.2	0.5	1.3	5.8	33.7
Technicians & Associate Professionals	1.0	0.3	0.2	0.6	2.3	9.5
Clerical Support Workers	1.6	0.1	0.4	0.9	4.6	17.4
Services & Sales Workers	15.0	8.0	12.5	17.7	27.0	25.3
Skilled Agricultural, Forestry & Fishery Workers	64.4	80.4	71.5	58.6	40.5	6.2
Craft & Related Workers	10.9	4.8	10.3	17.0	16.1	4.7
Plant & Machine Operators, & Assemblers	0.2	0.1	0.1	0.2	0.3	0.6
Elementary Occupations	4.1	5.9	4.2	3.3	2.4	0.4
Note: Population includes Occupation "Not reported".						
Employed Population includes persons who didn't reply literacy status and educational level.						

Figures 4.9 to 4.11 show the distribution of employed persons by occupation for educational attainment and sex in 2013. In the Figures, the occupation is broadly classified by 4 groups which was mentioned in “Terms and Classifications related to this Report”; 1) Managers and Professionals, 2) Clerks, Service and Sales Workers, 3) Agricultural, Forestry and Fishery Workers, and 4) Craft, and Plant and Machine Operators, and Armed Forces. It is observed that the occupational structure differs remarkably according to the level of educational attainment. In the case of better-educated persons with educational attainment in secondary and above, the percentages in white-collar types of occupation including managers, professional workers and clerks, sales and service workers, are higher, as compared to those of the other educational attainment as of 2013. It is paid attention that females with higher educational attainment (secondary and above) have better chances of getting white-collar types of occupation than counterparts (Figures 4.10 and 4.11).



**Figure 4.10 Percentage Distribution of Employed Males Aged 7 and over by Occupation and Educational Attainment , 2013**



**Figure 4.11 Percentage Distribution of Employed Females Aged 7 and over by Occupation and Educational Attainment , 2013**

