



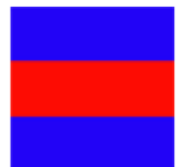
# THE REPUBLIC OF THE UNION OF MYANMAR

## The 2014 Myanmar Population and Housing Census KACHIN STATE, MYITKYINA DISTRICT Waingmaw Township Report



Department of Population  
Ministry of Labour, Immigration and Population

October 2017





# The 2014 Myanmar Population and Housing Census

Kachin State, Myitkyina District

## **Waingmaw Township Report**

Department of Population

Ministry of Labour, Immigration and Population

Office No.48

Nay Pyi Taw

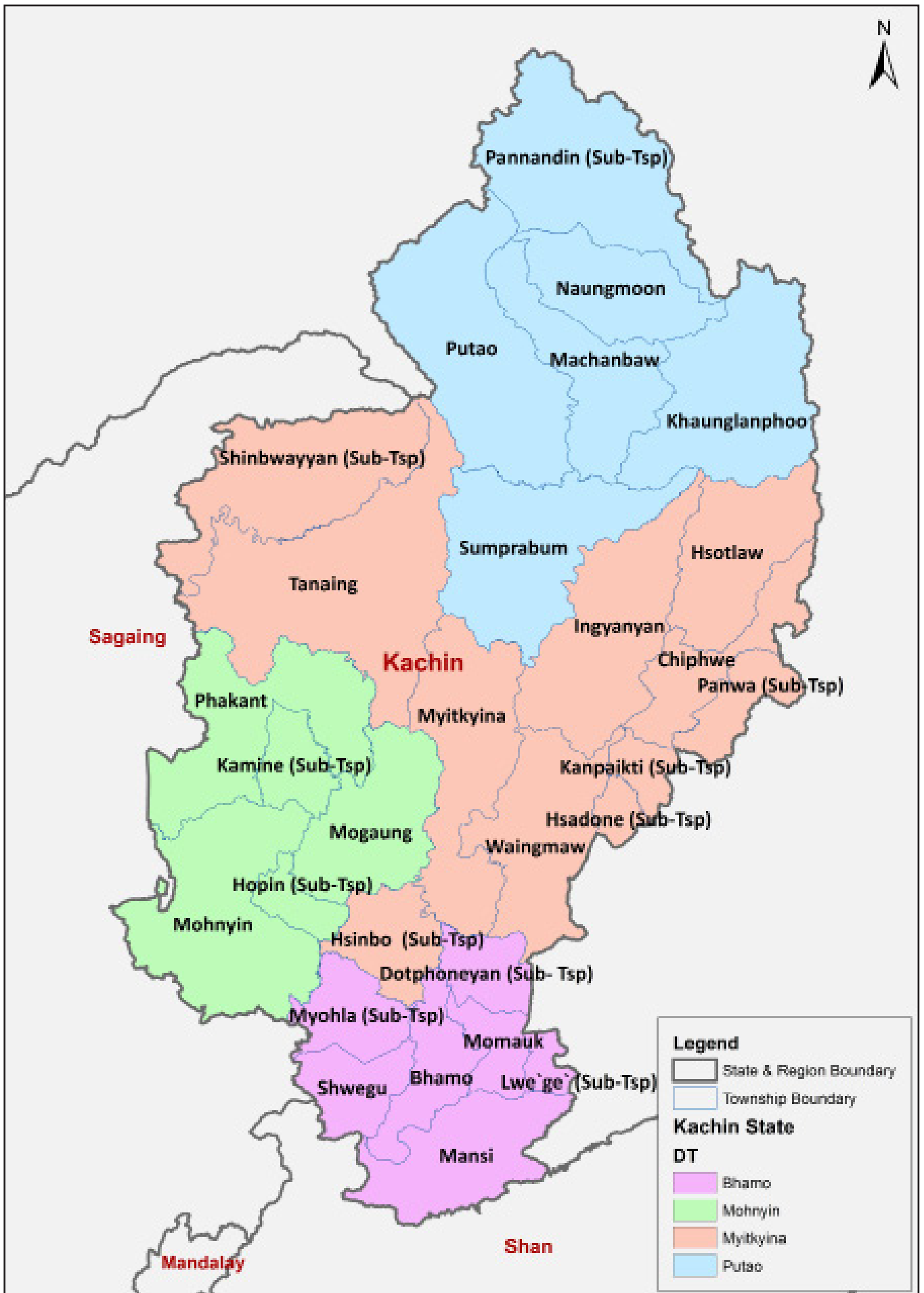
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October 2017



Figure 1 : Map of Kachin State, showing the townships





## Waingmaw Township Figures at a Glance <sup>1</sup>

|   |                                 |                 |
|---|---------------------------------|-----------------|
| <b>Total Population</b>                         | <b>106,366 <sup>2</sup></b>     |                 |
| <b>Population males</b>                         | <b>52,698 (49.5%)</b>           |                 |
| <b>Population females</b>                       | <b>53,668 (50.5%)</b>           |                 |
| <b>Percentage of urban population</b>           | <b>20.7%</b>                    |                 |
| <b>Area (Km<sup>2</sup>)</b>                    | <b>3,625.8 <sup>3</sup></b>     |                 |
| <b>Population density (per Km<sup>2</sup>)</b>  | <b>29.3 persons</b>             |                 |
| <b>Median age</b>                               | <b>23.1 years</b>               |                 |
|   |                                 |                 |
| <b>Number of wards</b>                          | <b>5</b>                        |                 |
| <b>Number of village tracts</b>                 | <b>26</b>                       |                 |
| <b>Number of private households</b>             | <b>19,780</b>                   |                 |
| <b>Percentage of female headed households</b>   | <b>32.0%</b>                    |                 |
| <b>Mean household size</b>                      | <b>5.1 persons <sup>4</sup></b> |                 |
|   |                                 |                 |
| <b>Percentage of population by age group</b>    |                                 |                 |
| <b>Children (0 – 14 years)</b>                  | <b>34.8%</b>                    |                 |
| <b>Economically productive (15 – 64 years)</b>  | <b>60.5%</b>                    |                 |
| <b>Elderly population (65+ years)</b>           | <b>4.7%</b>                     |                 |
|   |                                 |                 |
| <b>Dependency ratios</b>                        |                                 |                 |
| <b>Total dependency ratio</b>                   | <b>65.1</b>                     |                 |
| <b>Child dependency ratio</b>                   | <b>57.4</b>                     |                 |
| <b>Old dependency ratio</b>                     | <b>7.7</b>                      |                 |
|   |                                 |                 |
| <b>Ageing index</b>                             | <b>13.5</b>                     |                 |
|   |                                 |                 |
| <b>Sex ratio (males per 100 females)</b>        | <b>98</b>                       |                 |
|   |                                 |                 |
| <b>Literacy rate (persons aged 15 and over)</b> | <b>83.2%</b>                    |                 |
| <b>Male</b>                                     | <b>87.4%</b>                    |                 |
| <b>Female</b>                                   | <b>79.4%</b>                    |                 |
|   |                                 |                 |
| <b>People with disability</b>                   | <b>Number</b>                   | <b>Per cent</b> |
| <b>Any form of disability</b>                   | <b>7,788</b>                    | <b>7.3</b>      |
| <b>Walking</b>                                  | <b>2,592</b>                    | <b>2.4</b>      |
| <b>Seeing</b>                                   | <b>4,283</b>                    | <b>4.0</b>      |
| <b>Hearing</b>                                  | <b>2,945</b>                    | <b>2.8</b>      |
| <b>Remembering</b>                              | <b>2,467</b>                    | <b>2.3</b>      |
|   |                                 |                 |

|   |                   |                 |               |
|---|-------------------|-----------------|---------------|
| <b>Type of Identity Card (persons aged 10 and over)</b> | <b>Number</b>     | <b>Per cent</b> |               |
| Citizenship Scrutiny                                    | 57,560            | 70.1            |               |
| Associate Scrutiny                                      | 88                | 0.1             |               |
| Naturalised Scrutiny                                    | 378               | 0.5             |               |
| National Registration                                   | 799               | 1.0             |               |
| Religious   | 137               | 0.2             |               |
| Temporary Registration                                  | 440               | 0.5             |               |
| Foreign Registration                                    | 145               | 0.2             |               |
| Foreign Passport  | 20                | < 0.1           |               |
| None  | 22,542            | 27.5            |               |
|   |                   |                 |               |
| <b>Labour Force (aged 15 – 64)</b>                      | <b>Both sexes</b> | <b>Male</b>     | <b>Female</b> |
| Labour force participation rate                         | 64.4%             | 83.2%           | 45.7%         |
| Unemployment rate                                       | 4.6%              | 4.8%            | 4.3%          |
| Employment to population ratio                          | 61.4%             | 79.2%           | 43.8%         |
|   |                   |                 |               |
| <b>Ownership of housing unit (Tenure)</b>               | <b>Number</b>     | <b>Per cent</b> |               |
| Owner   | 16,862            | 85.2            |               |
| Renter  | 1,197             | 6.1             |               |
| Provided free (individually)                            | 685               | 3.5             |               |
| Government quarters                                     | 331               | 1.7             |               |
| Private company quarters                                | 579               | 2.9             |               |
| Other   | 126               | 0.6             |               |
|   |                   |                 |               |
| <b>Material for housing</b>                             | <b>Wall</b>       | <b>Floor</b>    | <b>Roof</b>   |
| Dhani/Theke/In leaf                                     | 1.0%              |                 | 31.8%         |
| Bamboo  | 75.4%             | 45.4%           | 0.2%          |
| Earth   | 0.1%              | 14.1%           |               |
| Wood  | 6.7%              | 21.7%           | < 0.1%        |
| Corrugated sheet  | 0.2%              |                 | 66.4%         |
| Tile/Brick/Concrete                                     | 15.4%             | 17.2%           | 0.2%          |
| Other   | 1.3%              | 1.5%            | 1.3%          |
|   |                   |                 |               |
| <b>Main source of energy for cooking</b>                | <b>Number</b>     | <b>Per cent</b> |               |
| Electricity   | 391               | 2.0             |               |
| LPG   | *                 | < 0.1           |               |
| Kerosene  | *                 | < 0.1           |               |
| Biogas  | *                 | 0.1             |               |
| Firewood  | 17,810            | 90.0            |               |
| Charcoal  | 1,435             | 7.3             |               |
| Coal  | 86                | 0.4             |               |
| Other   | 36                | 0.2             |               |
|   |                   |                 |               |



|  |               |                 |
|--|---------------|-----------------|
| <b>Main source of energy for lighting</b>        | <b>Number</b> | <b>Per cent</b> |
| Electricity                                      | 2,523         | 12.8            |
| Kerosene   | 68            | 0.3             |
| Candle   | 8,494         | 42.9            |
| Battery  | 724           | 3.7             |
| Generator (private)                              | 1,411         | 7.1             |
| Water mill (private)                             | 1,076         | 5.4             |
| Solar system/energy                              | 5,370         | 27.1            |
| Other  | 114           | 0.6             |
|  |               |                 |
| <b>Main source of drinking water</b>             | <b>Number</b> | <b>Per cent</b> |
| Tap water/piped                                  | 59            | 0.3             |
| Tube well, borehole                              | 2,856         | 14.4            |
| Protected well/spring                            | 9,898         | 50.1            |
| Bottled/purifier water                           | 619           | 3.1             |
| <i>Total Improved Water Sources</i>              | <i>13,432</i> | <i>67.9</i>     |
| Unprotected well/spring                          | 4,658         | 23.6            |
| Pool/pond/lake                                   | *             | < 0.1           |
| River/stream/canal                               | 866           | 4.4             |
| Waterfall/rainwater                              | 523           | 2.6             |
| Other  | 296           | 1.5             |
| <i>Total Unimproved Water Sources</i>            | <i>6,348</i>  | <i>32.1</i>     |
|  |               |                 |
| <b>Main source of water for non-drinking use</b> | <b>Number</b> | <b>Per cent</b> |
| Tap water/piped                                  | 80            | 0.4             |
| Tube well, borehole                              | 2,930         | 14.8            |
| Protected well/spring                            | 10,055        | 50.8            |
| Unprotected well/spring                          | 4,799         | 24.3            |
| Pool/pond/lake                                   | *             | < 0.1           |
| River/stream/canal                               | 1,059         | 5.4             |
| Waterfall/rainwater                              | 533           | 2.7             |
| Bottled/purifier water                           | *             | 0.1             |
| Other  | 300           | 1.5             |
|  |               |                 |

| Type of toilet                           | Number        | Per cent    |
|--|---------------|-------------|
| Flush                                    | 151           | 0.8         |
| Water seal (Improved pit latrine)        | 16,472        | 83.2        |
| <i>Total Improved Sanitation</i>         | <i>16,623</i> | <i>84.0</i> |
| Pit (Traditional pit latrine)            | 2,207         | 11.2        |
| Bucket (Surface latrine)                 | 70            | 0.3         |
| Other                                    | 389           | 2.0         |
| None                                     | 491           | 2.5         |
|  |               |             |
| Availability of communication amenities  | Number        | Per cent    |
| Radio                                    | 9,328         | 47.2        |
| Television                               | 9,263         | 46.8        |
| Landline phone                           | 1,189         | 6.0         |
| Mobile phone                             | 4,668         | 23.6        |
| Computer                                 | 443           | 2.2         |
| Internet at home                         | 505           | 2.6         |
| Households with none of the items        | 5,935         | 30.0        |
| Households with all of the items         | 61            | 0.3         |
|  |               |             |
| Availability of Transportation equipment | Number        | Per cent    |
| Car/Truck/Van                            | 404           | 2.0         |
| Motorcycle/Moped                         | 12,560        | 63.5        |
| Bicycle                                  | 6,650         | 33.6        |
| 4-Wheel tractor                          | 599           | 3.0         |
| Canoe/Boat                               | 337           | 1.7         |
| Motor boat                               | 236           | 1.2         |
| Cart (bullock)                           | 5,915         | 29.9        |

Note: <sup>1</sup> Population figures for Waingmaw Township are as of 29<sup>th</sup> March 2014.

<sup>2</sup> Includes both household population and institution population.

<sup>3</sup> Settlement and Land Record Department, Ministry of Agriculture, Livestock and Irrigation, (2014-2015)

<sup>4</sup> Calculated based on conventional household population

\* Less than 20.

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## Introduction

In April 2014, the Government of the Republic of the Union of Myanmar conducted its latest census, after three decades without a Population and Housing Census. In the post-independence period, comprehensive population and housing censuses were only successfully undertaken in 1973, 1983 and most recently in April 2014.

Censuses are an important source of benchmark information on the characteristics of the population and households in every country. One unique feature of a census is its ability to provide information down to the lowest administrative level. Such information is vital for planning and evidence based decision-making at every level. Additional data uses include allocation of national resources; the review of administrative boundaries; the positioning of social infrastructures, drawing national development plans, service provision and developing social infrastructure, and for humanitarian preparedness and response.

The results of the 2014 Census have been published so far in a number of volumes. The first was the Provisional Results released in August 2014. The Census Main Results were launched in May 2015. These included The Union Report, Highlights of the Main Results, and reports of each of the 15 States and Regions. The reports on Occupation and Industry and Religion were launched in March 2016 and July 2016, respectively. All the publications are available online at <http://www.dop.gov.mm/> and <http://myanmar.unfpa.org/node/15104>.

The current set of the 2014 Census publications comprise township and sub-township reports. Their preparation involved collaborative efforts of the Department of Population and UNFPA. This report contains selected demographic and socio-economic characteristics of Waingmaw Township in Kachin State. The information included in this report is the situation of 2014 March 29, Census night. Township level information is very important. However, the level of confidence of township estimates is not the same as Union level information. Some of the townships have relatively small populations; the interpretation of these estimates should be made with caution. Some of the indicators, such as IMR/U5MR, were adopted only after careful analysis considering a number of factors to ensure consistency in the results. Estimates for townships with relatively small number of observations should not be taken as exact estimates of the mortality level, but rather they should be regarded as reasonable indicators for the scale of mortality risk they experience, an indication of which townships are better off and which are in a more vulnerable situation.



## **Census information on Waingmaw Township**





## (A) Demographic Characteristics

|  |                          |        |        |
|--|--------------------------|--------|--------|
| Total population   | 106,366 *                |        |        |
| Males  | 52,698                   |        |        |
| Females  | 53,668                   |        |        |
| Sex ratio  | 98 males per 100 females |        |        |
| Percentage of urban population   | 20.7%                    |        |        |
| Area (Km <sup>2</sup> )  | 3,625.8 **               |        |        |
| Population density (persons per Km <sup>2</sup> )  | 29.3 persons             |        |        |
| Number of wards  | 5                        |        |        |
| Number of village tracts   | 26                       |        |        |
|  | Total                    | Urban  | Rural  |
| Population in conventional households  | 100,286                  | 21,056 | 79,230 |
| Number of conventional households  | 19,780                   | 3,820  | 15,960 |
| Mean household size  | 5.1 persons ***          |        |        |
| <ul style="list-style-type: none"> <li>• In Waingmaw Township, there are more females than males with 98 males per 100 females.</li> <li>• The majority of the people in the Township live in rural areas with only (20.7%) living in urban areas.</li> <li>• The population density of Waingmaw Township is 29 persons per square kilometre.</li> <li>• There are 5.1 persons living in each household in Waingmaw Township. This is higher than to the Union average (4.4 persons).</li> </ul> |                          |        |        |

Note: \* Includes both household population and institution population.

\*\* Settlement and Land Record Department, Ministry of Agriculture, Livestock and Irrigation, (2014-2015)

\*\*\* Calculated based on conventional household population

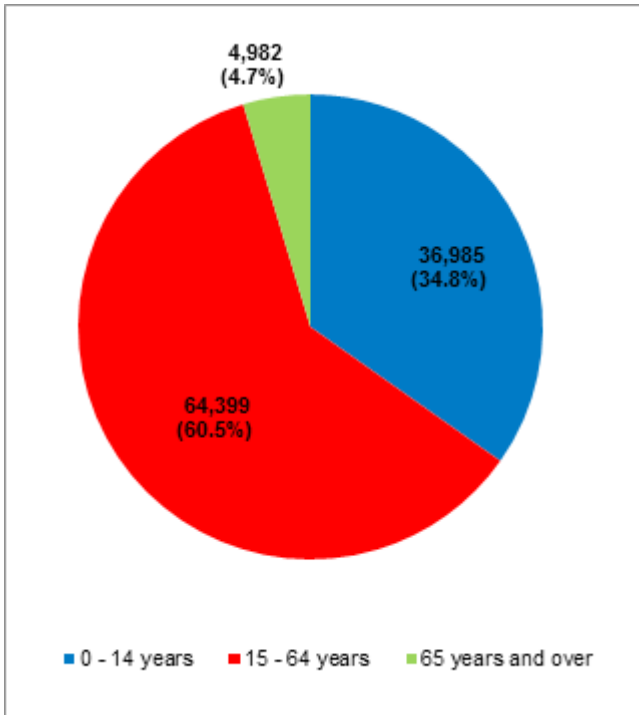
**Table 1: Population and number of conventional households by sex by ward and village tract;  
Waingmaw Township (Myitkyina District, Kachin State)**

| Sr | Ward/Village Tract   | No. of<br>Conventional<br>households | Population     |               |               |
|----|----------------------|--------------------------------------|----------------|---------------|---------------|
|    |                      |                                      | Total          | Males         | Females       |
|    | <b>Total</b>         | <b>19,780</b>                        | <b>106,366</b> | <b>52,698</b> | <b>53,668</b> |
|    | <b>Ward</b>          | <b>3,820</b>                         | <b>21,969</b>  | <b>10,827</b> | <b>11,142</b> |
| 1  | No(1)(W)             | 976                                  | 5,349          | 2,536         | 2,813         |
| 2  | No(2)(W)             | 635                                  | 3,810          | 1,826         | 1,984         |
| 3  | No(3)(W)             | 1,040                                | 6,253          | 3,124         | 3,129         |
| 4  | No(4)(W)             | 778                                  | 4,415          | 2,238         | 2,177         |
| 5  | No(5)(W)             | 391                                  | 2,142          | 1,103         | 1,039         |
|    | <b>Village Tract</b> | <b>15,960</b>                        | <b>84,397</b>  | <b>41,871</b> | <b>42,526</b> |
| 1  | Mading(VT)           | 867                                  | 4,745          | 2,295         | 2,450         |
| 2  | Moke Lwe(VT)         | 379                                  | 1,928          | 933           | 995           |
| 3  | Hkat Cho(VT)         | 2,169                                | 10,524         | 5,147         | 5,377         |
| 4  | Aung Myay(1)(VT)     | 947                                  | 5,190          | 2,615         | 2,575         |
| 5  | Aung Myay(2)(VT)     | 159                                  | 848            | 416           | 432           |
| 6  | Mai Na(VT)           | 2,784                                | 14,211         | 6,854         | 7,357         |
| 7  | Nawng Ta Law(VT)     | 449                                  | 2,708          | 1,296         | 1,412         |
| 8  | Nawng Hee(VT)        | 394                                  | 2,040          | 1,007         | 1,033         |
| 9  | Ma Hkan Tee(VT)      | 442                                  | 2,134          | 1,030         | 1,104         |
| 10 | Wu Yang(VT)          | 1,057                                | 5,935          | 2,841         | 3,094         |
| 11 | Shwe Nyaung Pin(VT)  | 696                                  | 3,492          | 1,811         | 1,681         |
| 12 | Nawng Si Paw(VT)     | 452                                  | 2,218          | 1,054         | 1,164         |
| 13 | Nawng Chein(VT)      | 1,391                                | 7,380          | 3,774         | 3,606         |
| 14 | Nang War(VT)         | 581                                  | 3,091          | 1,509         | 1,582         |
| 15 | War Shawng(VT)       | 816                                  | 4,450          | 2,177         | 2,273         |
| 16 | Ding Jang Yang(VT)   | 211                                  | 984            | 475           | 509           |
| 17 | Sha Ngaw(VT)         | 122                                  | 615            | 360           | 255           |
| 18 | Ma Ga Ran Yang(VT)   | 41                                   | 234            | 131           | 103           |
| 19 | Hpan Dawng(VT)       | 335                                  | 2,652          | 1,486         | 1,166         |
| 20 | Gang Dau Yang(VT)    | -                                    | 2              | 2             | -             |
| 21 | Nam Sang Yang(VT)    | -                                    | 43             | 40            | 3             |

**Table 1: (Continued)**

| Sr | Ward/Village Tract   | No. of Conventional households | Population |       |         |
|----|----------------------|--------------------------------|------------|-------|---------|
|    |                      |                                | Total      | Males | Females |
| 22 | Da Bak Yang(VT)      | -                              | 9          | 8     | 1       |
| 23 | Sai Law(VT)          | 227                            | 1,187      | 619   | 568     |
| 24 | Man Wein(VT)         | 567                            | 3,142      | 1,624 | 1,518   |
| 25 | San Ka(VT)           | 750                            | 4,072      | 2,093 | 1,979   |
| 26 | Hpung Tang Kawng(VT) | 124                            | 563        | 274   | 289     |

**Figure 2: Population by broad age groups, Waingmaw Township**

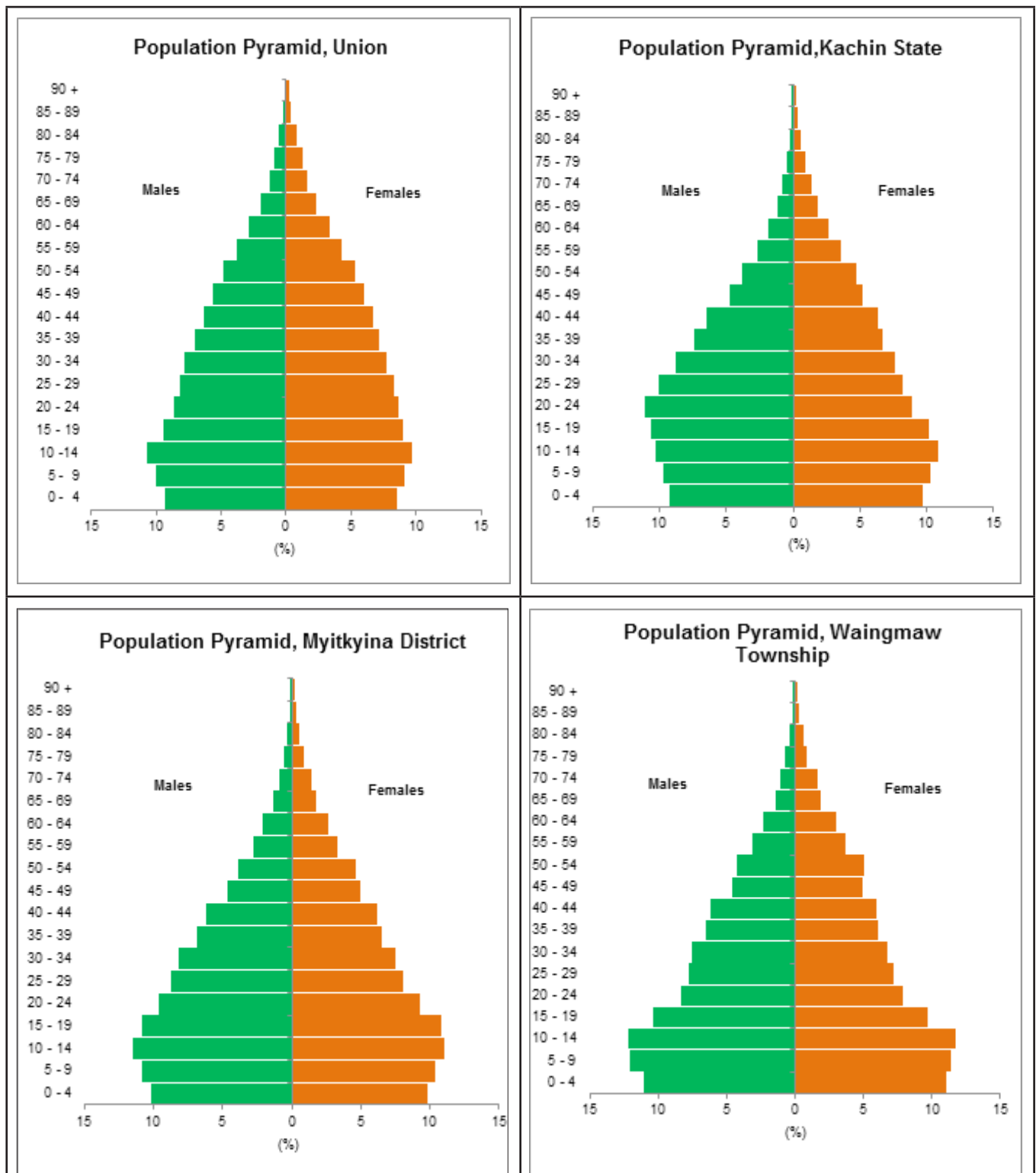


**Table 2: Population by 5-year age groups, Waingmaw Township**

| Age groups   | Total          | Males         | Females       |
|--------------|----------------|---------------|---------------|
| <b>Total</b> | <b>106,366</b> | <b>52,698</b> | <b>53,668</b> |
| 0 - 4        | 11,774         | 5,826         | 5,948         |
| 5 - 9        | 12,483         | 6,367         | 6,116         |
| 10 - 14      | 12,728         | 6,416         | 6,312         |
| 15 - 19      | 10,643         | 5,470         | 5,173         |
| 20 - 24      | 8,640          | 4,416         | 4,224         |
| 25 - 29      | 7,991          | 4,100         | 3,891         |
| 30 - 34      | 7,611          | 3,970         | 3,641         |
| 35 - 39      | 6,699          | 3,419         | 3,280         |
| 40 - 44      | 6,422          | 3,255         | 3,167         |
| 45 - 49      | 5,069          | 2,395         | 2,674         |
| 50 - 54      | 4,932          | 2,231         | 2,701         |
| 55 - 59      | 3,582          | 1,631         | 1,951         |
| 60 - 64      | 2,810          | 1,192         | 1,618         |
| 65 - 69      | 1,767          | 746           | 1,021         |
| 70 - 74      | 1,414          | 550           | 864           |
| 75 - 79      | 818            | 360           | 458           |
| 80 - 84      | 544            | 193           | 351           |
| 85 - 89      | 259            | 100           | 159           |
| 90 +         | 180            | 61            | 119           |

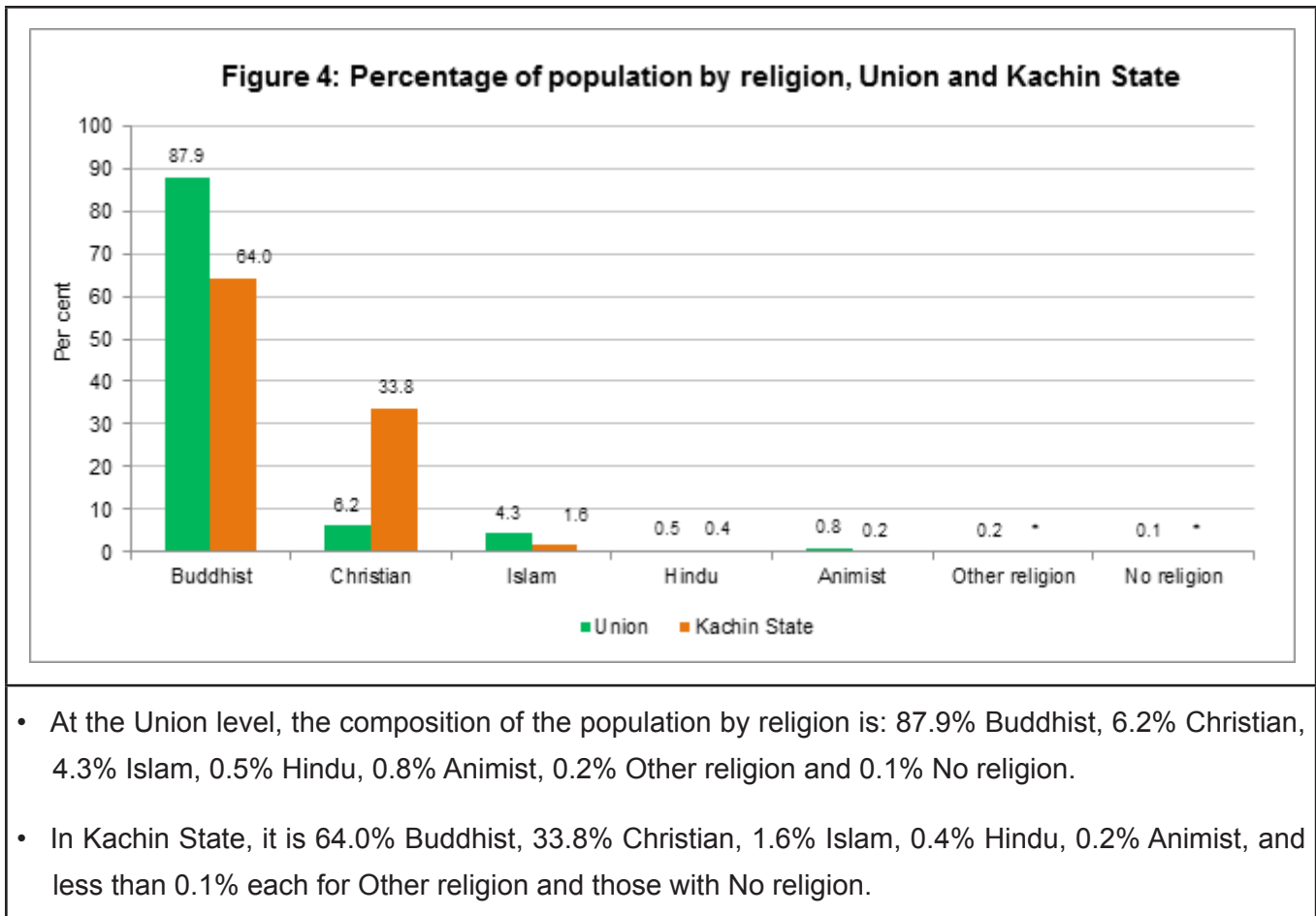
- The proportion of productive working population between 15 to 64 years of age in Waingmaw Township is 60.5 per cent.
- The proportion of children aged 14 and below together with the proportion of the elderly aged 65 and over are less than the proportion of the working age group population.
- Fewer proportions of children and elderly reduce the dependency of those age groups on the working age population.

**Figure 3: Population pyramid (Union, Kachin State, Myitkyina District and Waingmaw Township)**



- The population has markedly declined from age group 15-19 onwards.
- Compared to Union level, there is less percentage of working age group 15-64 population in Waingmaw Township.
- Starting from age group 45-49, there are less males than females in all age groups.

## (B) Religion



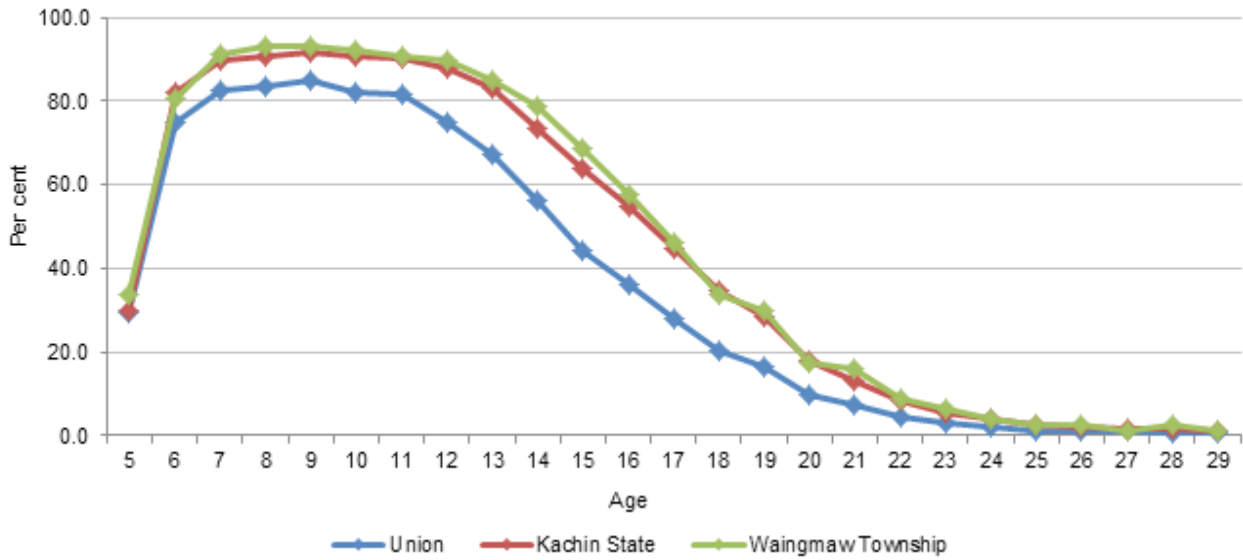
Note: \* Less than 0.1 per cent.

## (C) Education

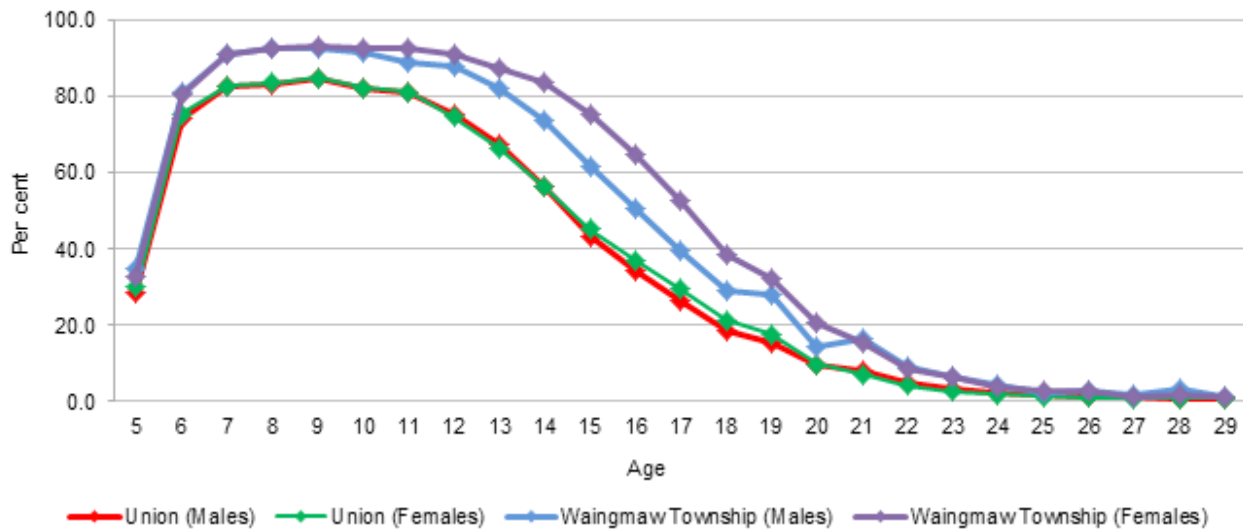
Table 3: Population aged 5 - 29 and current school attendance by sex by age

| Age | Total population |       |         | Currently attending |       |         |
|-----|------------------|-------|---------|---------------------|-------|---------|
|     | Total            | Males | Females | Total               | Males | Females |
| 5   | 2,446            | 1,278 | 1,168   | 829                 | 448   | 381     |
| 6   | 2,341            | 1,203 | 1,138   | 1,889               | 974   | 915     |
| 7   | 2,501            | 1,258 | 1,243   | 2,277               | 1,143 | 1,134   |
| 8   | 2,455            | 1,198 | 1,257   | 2,281               | 1,113 | 1,168   |
| 9   | 2,414            | 1,246 | 1,168   | 2,250               | 1,158 | 1,092   |
| 10  | 2,515            | 1,277 | 1,238   | 2,319               | 1,174 | 1,145   |
| 11  | 2,142            | 1,051 | 1,091   | 1,944               | 934   | 1,010   |
| 12  | 2,582            | 1,292 | 1,290   | 2,317               | 1,138 | 1,179   |
| 13  | 2,608            | 1,315 | 1,293   | 2,214               | 1,082 | 1,132   |
| 14  | 2,402            | 1,216 | 1,186   | 1,891               | 897   | 994     |
| 15  | 2,030            | 1,002 | 1,028   | 1,390               | 616   | 774     |
| 16  | 2,002            | 1,019 | 983     | 1,157               | 519   | 638     |
| 17  | 1,952            | 979   | 973     | 900                 | 389   | 511     |
| 18  | 2,181            | 1,132 | 1,049   | 736                 | 331   | 405     |
| 19  | 1,601            | 812   | 789     | 482                 | 228   | 254     |
| 20  | 1,997            | 1,019 | 978     | 349                 | 148   | 201     |
| 21  | 1,349            | 628   | 721     | 215                 | 105   | 110     |
| 22  | 1,496            | 748   | 748     | 133                 | 67    | 66      |
| 23  | 1,477            | 717   | 760     | 98                  | 47    | 51      |
| 24  | 1,394            | 651   | 743     | 58                  | 28    | 30      |
| 25  | 1,692            | 834   | 858     | 45                  | 21    | 24      |
| 26  | 1,314            | 681   | 633     | 37                  | 19    | 18      |
| 27  | 1,268            | 606   | 662     | 17                  | 9     | 8       |
| 28  | 1,548            | 748   | 800     | 41                  | 25    | 16      |
| 29  | 1,311            | 618   | 693     | 15                  | 7     | 8       |

**Figure 5: School attendance by age, Union, Kachin State and Waingmaw Township**



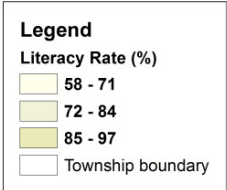
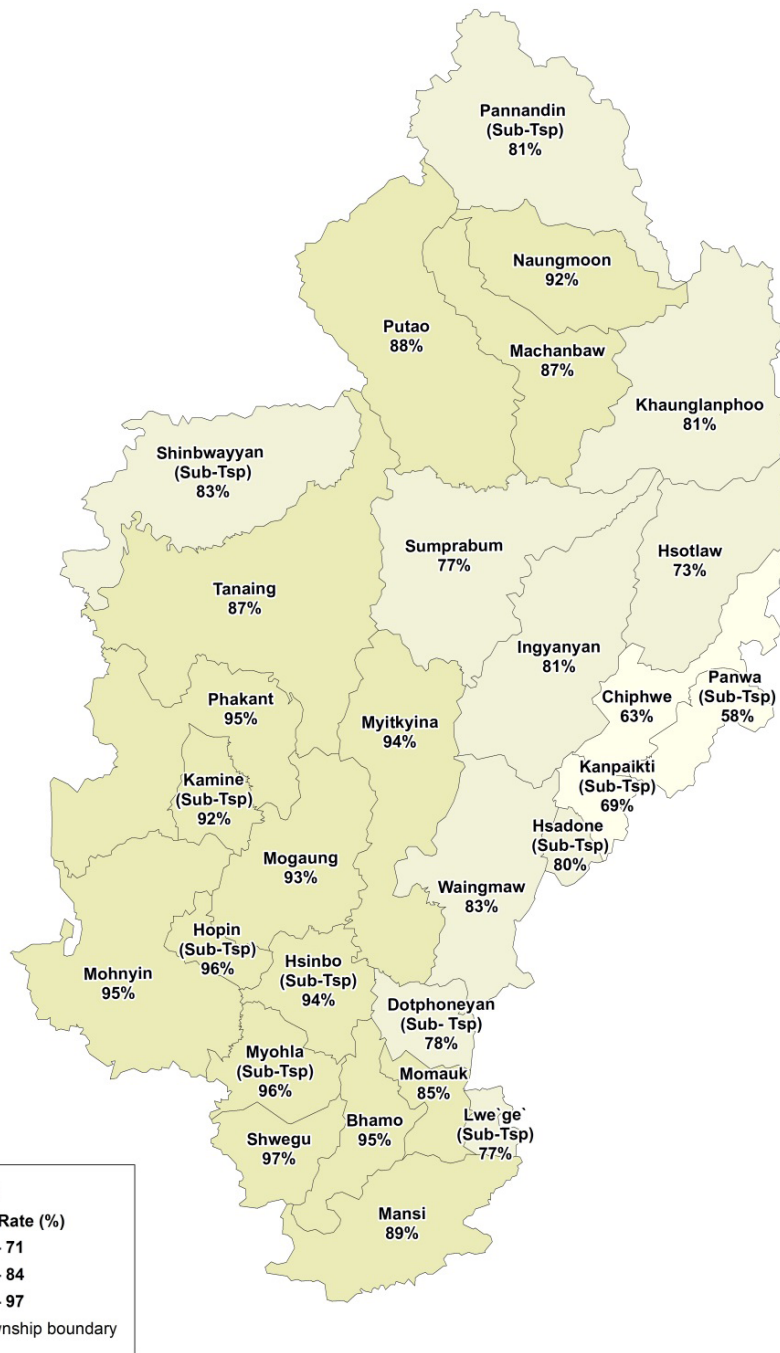
**Figure 6: School attendance by age by sex, Union and Waingmaw Township**



- School attendance in Waingmaw Township drops after age 13 for both males and females.
- Compared to the Union, the school attendance of males and females in Waingmaw Township is higher.



**Figure 7: Literacy rate, Kachin State (aged 15 and over)**



|                    |         |
|--------------------|---------|
| Union              | : 89.5% |
| Kachin State       | : 91.7% |
| Myitkyina District | : 89.0% |
| Waingmaw Township  | : 83.2% |

**Table 4: Youth literacy rate (15 - 24), Waingmaw Township**

| <b>Sex</b> | <b>Total Population (15 - 24)</b> | <b>Literacy Rate (15 - 24)</b> |
|------------|-----------------------------------|--------------------------------|
| Total      | 17,479                            | 96.7                           |
| Males      | 8,707                             | 96.1                           |
| Females    | 8,772                             | 97.3                           |

- The literacy rate of those aged 15 and over in Waingmaw Township is 83.2 per cent. It is lower than the literacy rate of (91.7%) for Kachin State and (89.5%) for the Union. Female literacy rate is 79.4 per cent and for the males it is 87.4 per cent.
- In Waingmaw Township, the literacy rate for youth aged 15-24 is 96.7 per cent with 97.3 per cent for females and 96.1 per cent for males.

**Table 5: Population aged 25 and over by highest level of education completed, urban/rural and sex**

|         | Total  | None   | % Never attended | Primary school |           | Middle school (grade 6 - 9) | High school (grade 10 - 11) | Diploma | University/ College | Post-graduate and above | Vocational training | Other |
|---------|--------|--------|------------------|----------------|-----------|-----------------------------|-----------------------------|---------|---------------------|-------------------------|---------------------|-------|
|         |        |        |                  | (grade 1 - 4)  | (grade 5) |                             |                             |         |                     |                         |                     |       |
| Total   | 50,098 | 11,852 | 23.7             | 10,623         | 7,288     | 12,072                      | 5,503                       | 108     | 2,166               | 224                     | 63                  | 199   |
| Urban   | 10,256 | 2,068  | 20.2             | 1,795          | 1,215     | 2,476                       | 1,514                       | 19      | 904                 | 117                     | 11                  | 137   |
| Rural   | 39,842 | 9,784  | 24.6             | 8,828          | 6,073     | 9,596                       | 3,989                       | 89      | 1,262               | 107                     | 52                  | 62    |
| Males   | 24,203 | 4,374  | 18.1             | 5,176          | 3,849     | 6,649                       | 2,793                       | 67      | 1,067               | 81                      | 40                  | 107   |
| Females | 25,895 | 7,478  | 28.9             | 5,447          | 3,439     | 5,423                       | 2,710                       | 41      | 1,099               | 143                     | 23                  | 92    |

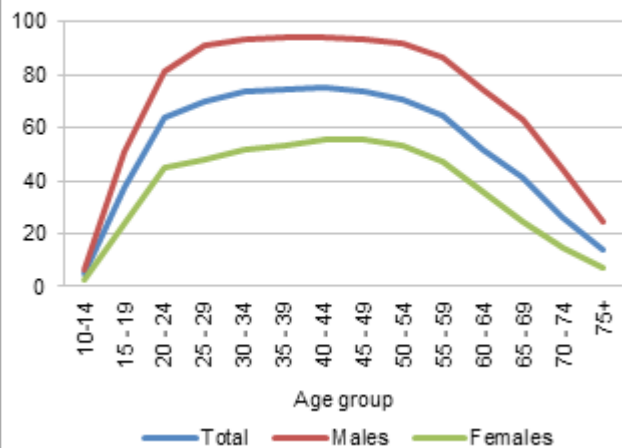
- About 23.7 per cent of the population aged 25 and over have never been to school.
- Of the rural population aged 25 and over, 24.6 per cent have never been to school.
- There are 18.1 per cent of males aged 25 and over who have never attended school as against 28.9 per cent for females.
- Among those aged 25 and over, 14.5 per cent has completed primary school (grade 5) and only 4.3 per cent has completed university/college education.

## (D) Economic Characteristics

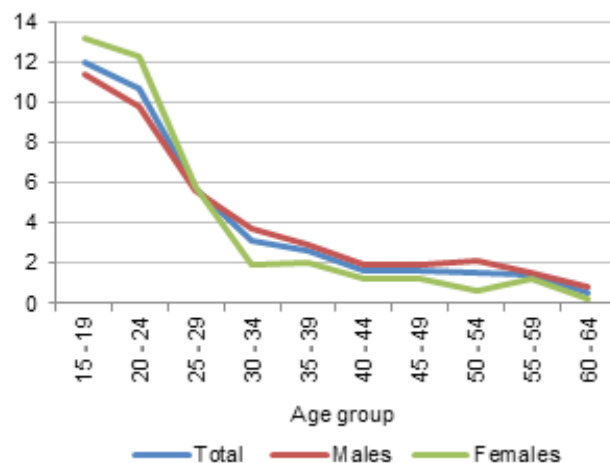
**Table 6: Population aged 10 and over by labour force participation rate and unemployment rate  
by sex and age group**

| Age groups | Labour Force Participation Rate |       |         | Unemployment Rate |       |         |
|------------|---------------------------------|-------|---------|-------------------|-------|---------|
|            | Total                           | Males | Females | Total             | Males | Females |
| 10-14      | 4.8                             | 6.7   | 2.9     | 10.5              | 11.0  | 9.2     |
| 15 - 19    | 37.6                            | 50.9  | 23.5    | 12.0              | 11.4  | 13.2    |
| 20 - 24    | 63.6                            | 81.5  | 44.9    | 10.7              | 9.8   | 12.3    |
| 25 - 29    | 70.2                            | 90.9  | 48.3    | 5.7               | 5.6   | 5.8     |
| 30 - 34    | 73.4                            | 93.5  | 51.5    | 3.1               | 3.7   | 1.9     |
| 35 - 39    | 74.2                            | 94.2  | 53.5    | 2.6               | 2.9   | 2.0     |
| 40 - 44    | 75.1                            | 94.3  | 55.5    | 1.6               | 1.9   | 1.2     |
| 45 - 49    | 73.4                            | 93.6  | 55.3    | 1.6               | 1.9   | 1.2     |
| 50 - 54    | 70.5                            | 91.6  | 53.0    | 1.5               | 2.1   | 0.6     |
| 55 - 59    | 64.7                            | 86.1  | 46.9    | 1.4               | 1.5   | 1.2     |
| 60 - 64    | 52.0                            | 74.3  | 35.5    | 0.5               | 0.8   | 0.2     |
| 65 - 69    | 40.9                            | 63.0  | 24.8    | 0.7               | 0.6   | 0.8     |
| 70 - 74    | 26.0                            | 43.8  | 14.7    | -                 | -     | -       |
| 75+        | 13.8                            | 24.4  | 6.9     | 1.2               | 1.1   | 1.3     |
| 15 - 24    | 49.2                            | 64.5  | 33.1    | 11.2              | 10.5  | 12.6    |
| 15 - 64    | 64.4                            | 83.2  | 45.7    | 4.6               | 4.8   | 4.3     |

**Figure 8: Labour force participation rate**



**Figure 9: Unemployment rate**



- Labour force participation rate for the population aged 15-64 in Waingmaw Township is 64.4 per cent.
- The labour force participation rate of females is 45.7 per cent and is significantly lower than that of their male counterparts which is 83.2 per cent.
- In Waingmaw Township, labour force participation rate for the population aged 10-14 is 4.8 per cent.
- The unemployment rate for those aged 15-64 in Waingmaw Township is 4.6 per cent. There is not much difference between the unemployment rate for males is (4.8%) and for females is (4.3%).
- The unemployment rate for young females aged 15-24 is 12.6 per cent.

**Table 7: Population aged 10 and over not in the labour force by usual activity status and sex**

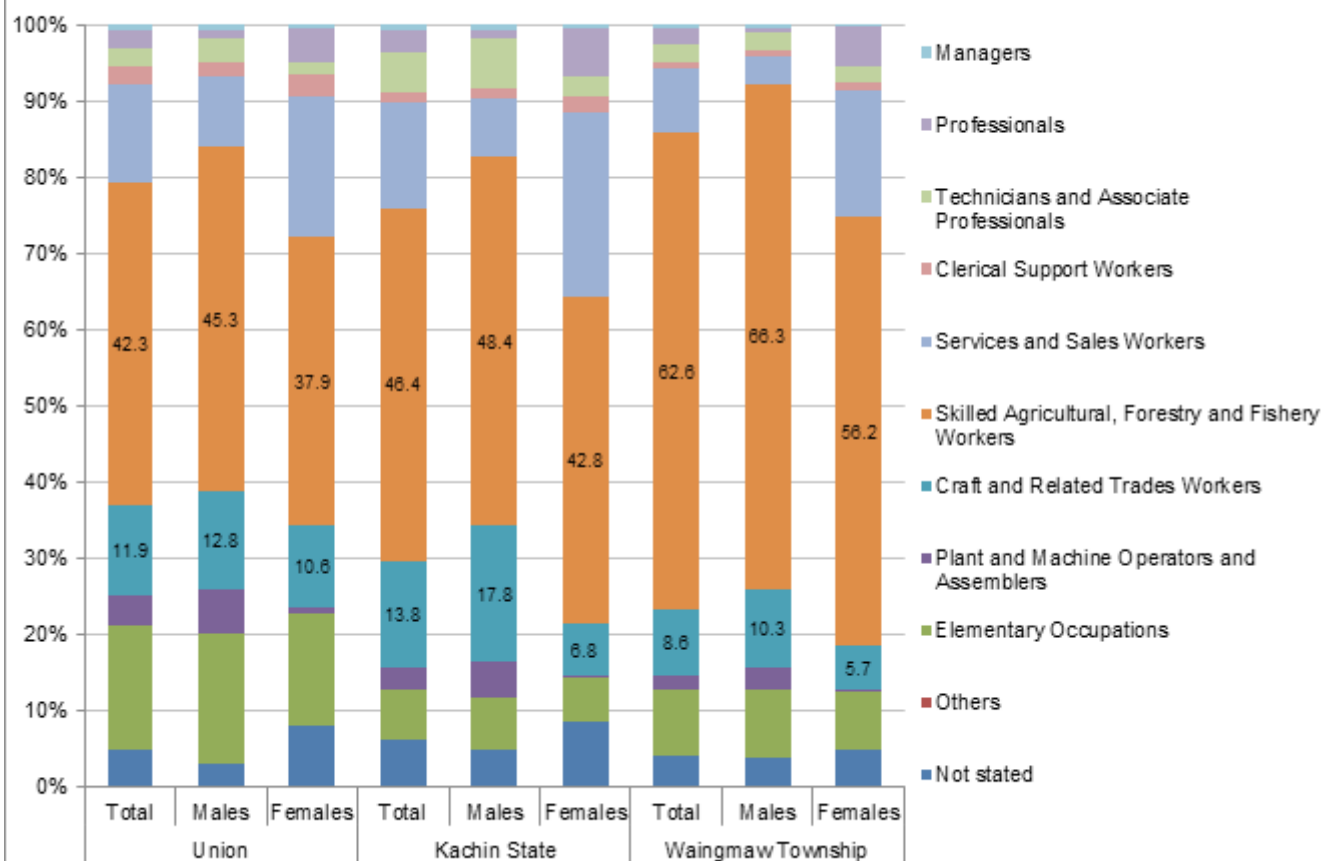
| Sex     | Usual activity status |                   |                   |                  |                             |               |       |
|---------|-----------------------|-------------------|-------------------|------------------|-----------------------------|---------------|-------|
|         | Total                 | Did not seek work | Full time student | Household worker | Pensioner, retired, elderly | Ill, disabled | Other |
| Total   | 38,694                | 0.5               | 44.0              | 37.1             | 10.2                        | 1.7           | 6.5   |
| Males   | 12,515                | 1.0               | 65.2              | 8.3              | 10.8                        | 2.6           | 12.1  |
| Females | 26,179                | 0.3               | 33.8              | 50.8             | 9.9                         | 1.3           | 3.9   |

- Among those aged 10 and over who are not in the labour force, 65.2 per cent of males are full time students while 50.8 per cent of females are household workers.

**Table 8: Employed persons aged 15 - 64 by occupation by sex**

| Occupation   | Employed persons |               |               | Per cent     |              |              |
|--|------------------|---------------|---------------|--------------|--------------|--------------|
|  | Total            | Males         | Females       | Total        | Males        | Females      |
| <b>Total</b>                                       | <b>35,370</b>    | <b>22,398</b> | <b>12,972</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> |
| Managers   | 142              | 96            | 46            | 0.4          | 0.4          | 0.4          |
| Professionals                                      | 820              | 155           | 665           | 2.3          | 0.7          | 5.1          |
| Technicians and Associate Professionals            | 764              | 494           | 270           | 2.2          | 2.2          | 2.1          |
| Clerical Support Workers                           | 325              | 180           | 145           | 0.9          | 0.8          | 1.1          |
| Services and Sales Workers                         | 2,971            | 812           | 2,159         | 8.4          | 3.6          | 16.6         |
| Skilled Agricultural, Forestry and Fishery Workers | 22,147           | 14,853        | 7,294         | 62.6         | 66.3         | 56.2         |
| Craft and Related Trades Workers                   | 3,050            | 2,305         | 745           | 8.6          | 10.3         | 5.7          |
| Plant and Machine Operators and Assemblers         | 670              | 650           | 20            | 1.9          | 2.9          | 0.2          |
| Elementary Occupations                             | 3,040            | 2,032         | 1,008         | 8.6          | 9.1          | 7.8          |
| Others   | -                | -             | -             | -            | -            | -            |
| Not stated   | 1,441            | 821           | 620           | 4.1          | 3.7          | 4.8          |

**Figure 10: Percentage of employed persons aged 15 - 64 by occupation by sex, Union, Kachin State and Waingmaw Township**



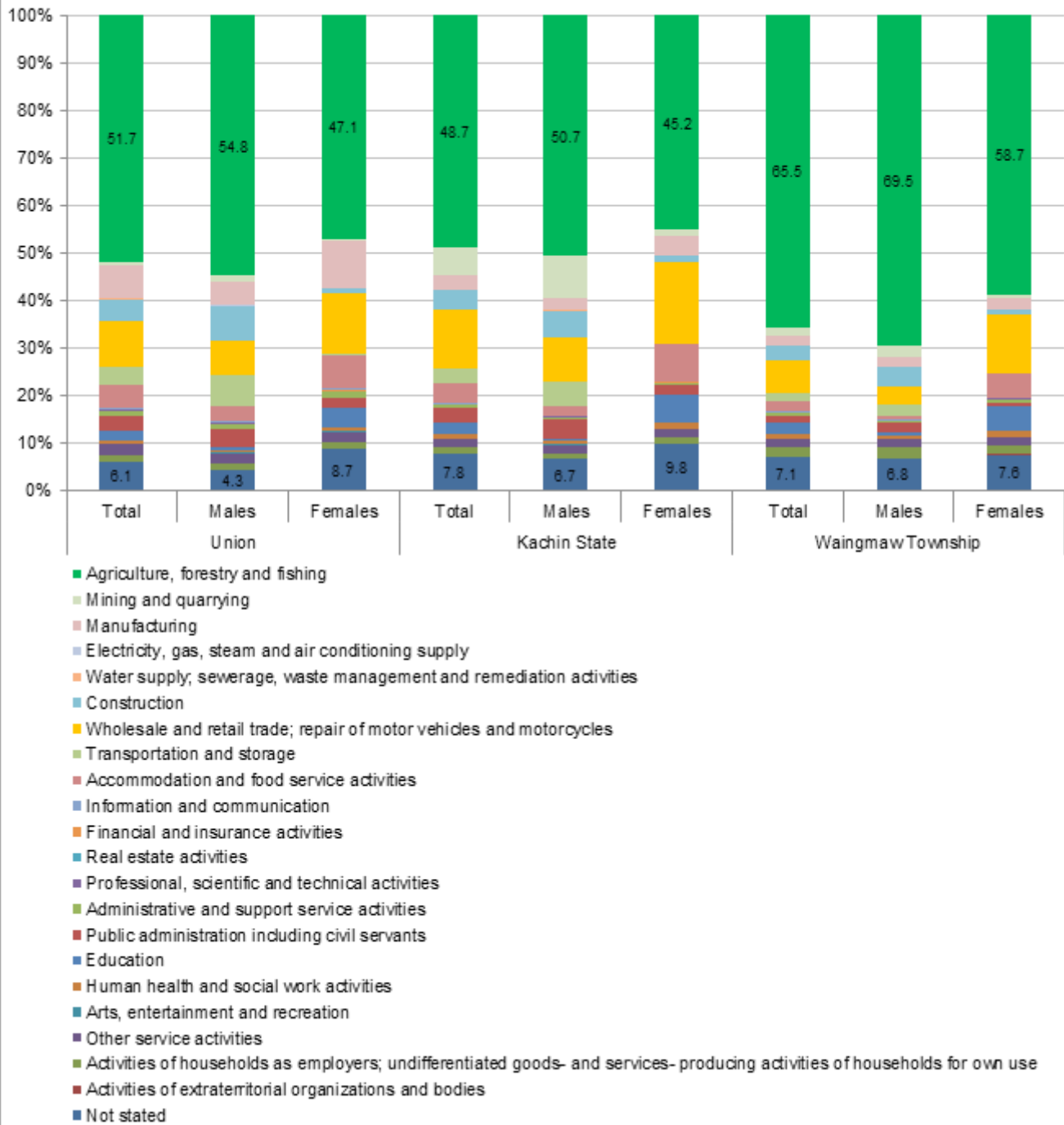
- In Waingmaw Township, 62.6 per cent of the employed persons aged 15-64 are skilled agricultural, forestry and fishery workers and is the highest proportion, followed by 8.6 per cent in craft and related trades workers.
- Analysis by sex shows that 66.3 per cent of males and 56.2 per cent of females are skilled agricultural, forestry and fishery workers.
- In Kachin State, 46.4 per cent are skilled agricultural, forestry and fishery workers and 13.8 per cent are in craft and related trades workers.

**Table 9: Employed persons aged 15 - 64 by industry by sex**

| Industry  | Employed persons |               |               | Per cent     |              |              |
|---|------------------|---------------|---------------|--------------|--------------|--------------|
|   | Total            | Males         | Females       | Total        | Males        | Females      |
| <b>Total</b>  | <b>35,370</b>    | <b>22,398</b> | <b>12,972</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> |
| Agriculture, forestry and fishing   | 23,177           | 15,564        | 7,613         | 65.5         | 69.5         | 58.7         |
| Mining and quarrying  | 616              | 507           | 109           | 1.7          | 2.3          | 0.8          |
| Manufacturing   | 772              | 469           | 303           | 2.2          | 2.1          | 2.3          |
| Electricity, gas, steam and air conditioning supply   | 25               | 20            | 5             | 0.1          | 0.1          | *            |
| Water supply; sewerage, waste management and remediation activities   | 29               | 24            | 5             | 0.1          | 0.1          | *            |
| Construction  | 1,006            | 889           | 117           | 2.8          | 4.0          | 0.9          |
| Wholesale and retail trade; repair of motor vehicles and motorcycles  | 2,454            | 827           | 1,627         | 6.9          | 3.7          | 12.5         |
| Transportation and storage  | 579              | 572           | 7             | 1.6          | 2.6          | 0.1          |
| Accommodation and food service activities   | 838              | 183           | 655           | 2.4          | 0.8          | 5.0          |
| Information and communication   | 32               | 23            | 9             | 0.1          | 0.1          | 0.1          |
| Financial and insurance activities  | 7                | 2             | 5             | *            | *            | *            |
| Real estate activities  | 8                | 2             | 6             | *            | *            | *            |
| Professional, scientific and technical activities   | 27               | 18            | 9             | 0.1          | 0.1          | 0.1          |
| Administrative and support service activities   | 207              | 122           | 85            | 0.6          | 0.5          | 0.7          |
| Public administration including civil servants  | 571              | 460           | 111           | 1.6          | 2.1          | 0.9          |
| Education   | 765              | 103           | 662           | 2.2          | 0.5          | 5.1          |
| Human health and social work activities   | 347              | 147           | 200           | 1.0          | 0.7          | 1.5          |
| Arts, entertainment and recreation  | 12               | 8             | 4             | *            | *            | *            |
| Other service activities  | 664              | 440           | 224           | 1.9          | 2.0          | 1.7          |
| Activities of households as employers; undifferentiated goods- and services- producing activities of households for own use | 703              | 478           | 225           | 2.0          | 2.1          | 1.7          |
| Activities of extraterritorial organizations and bodies   | 10               | 6             | 4             | *            | *            | *            |
| Not stated  | 2,521            | 1,534         | 987           | 7.1          | 6.8          | 7.6          |

Note: \* Less than 0.1 per cent.

**Figure 11: Percentage of employed persons aged 15 - 64 by industry by sex, Union, Kachin State and Waingmaw Township**



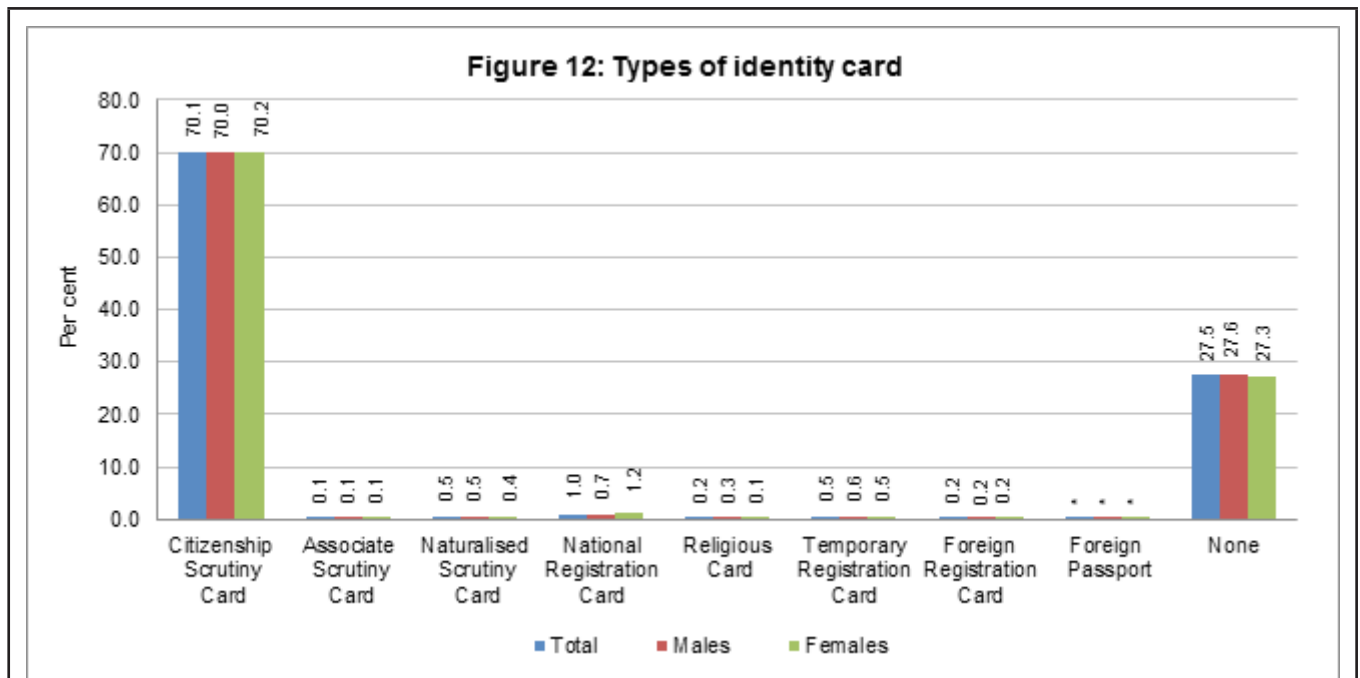
- In Waingmaw Township, the proportion of employed persons working in the industry of “Agriculture, forestry and fishing” is the highest with 65.5 per cent.
- There are 69.5 per cent of males and 58.7 per cent of females are in “Agriculture, forestry and fishing” industry.
- In Kachin State, there are 48.7 per cent of employed population working in “Agriculture, forestry and fishing” industry.



## (E) Identity Cards

**Table 10: Population aged 10 and over by type of identity card, urban/rural and sex**

|         | Citizenship Scrutiny Card | Associate Scrutiny Card | Naturalised Scrutiny Card | National Registration Card | Religious Card | Temporary Registration Card | Foreign Registration Card | Foreign Passport | None   |
|---------|---------------------------|-------------------------|---------------------------|----------------------------|----------------|-----------------------------|---------------------------|------------------|--------|
| Total   | 57,560                    | 88                      | 378                       | 799                        | 137            | 440                         | 145                       | 20               | 22,542 |
| Urban   | 13,017                    | 23                      | 51                        | 141                        | 65             | 36                          | 8                         | 4                | 4,106  |
| Rural   | 44,543                    | 65                      | 327                       | 658                        | 72             | 404                         | 137                       | 16               | 18,436 |
| Males   | 28,365                    | 44                      | 207                       | 303                        | 105            | 224                         | 76                        | 10               | 11,171 |
| Females | 29,195                    | 44                      | 171                       | 496                        | 32             | 216                         | 69                        | 10               | 11,371 |



- In Waingmaw Township, 70.1 per cent of the population aged 10 and over have Citizenship Scrutiny Card while 27.5 per cent have none.
- Analysis by sex shows that 27.6 per cent of males and 27.3 per cent of females do not have any type of card.

Note: \* Less than 0.1 per cent.

## (F) Disability

**Table 11: Population by disability prevalence rate and type of disability by sex by age group**

| Age groups   | Total Population |               |                            |                                | Type of disability |              |              |              |
|--------------|------------------|---------------|----------------------------|--------------------------------|--------------------|--------------|--------------|--------------|
|              | Total            | Not disabled  | With any of 4 disabilities | Disability prevalence rate (%) | Seeing             | Hearing      | Walking      | Remembering  |
| <b>Total</b> | <b>106,366</b>   | <b>98,578</b> | <b>7,788</b>               | <b>7.3</b>                     | <b>4,283</b>       | <b>2,945</b> | <b>2,592</b> | <b>2,467</b> |
| 0 - 4        | 11,774           | 11,558        | 216                        | 1.8                            | 33                 | 29           | 181          | 122          |
| 5 - 9        | 12,483           | 12,247        | 236                        | 1.9                            | 45                 | 81           | 82           | 94           |
| 10 - 14      | 12,728           | 12,431        | 297                        | 2.3                            | 72                 | 97           | 95           | 120          |
| 15 - 19      | 10,643           | 10,385        | 258                        | 2.4                            | 73                 | 78           | 80           | 87           |
| 20 - 24      | 8,640            | 8,419         | 221                        | 2.6                            | 47                 | 72           | 92           | 71           |
| 25 - 29      | 7,991            | 7,734         | 257                        | 3.2                            | 55                 | 92           | 90           | 90           |
| 30 - 34      | 7,611            | 7,272         | 339                        | 4.5                            | 84                 | 119          | 97           | 117          |
| 35 - 39      | 6,699            | 6,385         | 314                        | 4.7                            | 113                | 96           | 89           | 111          |
| 40 - 44      | 6,422            | 5,880         | 542                        | 8.4                            | 284                | 149          | 143          | 141          |
| 45 - 49      | 5,069            | 4,388         | 681                        | 13.4                           | 439                | 176          | 147          | 171          |
| 50 - 54      | 4,932            | 4,028         | 904                        | 18.3                           | 585                | 285          | 204          | 228          |
| 55 - 59      | 3,582            | 2,829         | 753                        | 21.0                           | 494                | 252          | 181          | 172          |
| 60 - 64      | 2,810            | 2,018         | 792                        | 28.2                           | 544                | 325          | 236          | 211          |
| 65 - 69      | 1,767            | 1,227         | 540                        | 30.6                           | 375                | 230          | 189          | 156          |
| 70 - 74      | 1,414            | 883           | 531                        | 37.6                           | 371                | 283          | 225          | 188          |
| 75 - 79      | 818              | 454           | 364                        | 44.5                           | 262                | 218          | 149          | 126          |
| 80 - 84      | 544              | 271           | 273                        | 50.2                           | 207                | 174          | 150          | 130          |
| 85 - 89      | 259              | 97            | 162                        | 62.5                           | 111                | 108          | 85           | 67           |
| 90 +         | 180              | 72            | 108                        | 60.0                           | 89                 | 81           | 77           | 65           |

**Table 11: (Continued)**

| Age groups   | Total Population |               |                            |                                | Type of disability |              |              |              |
|--------------|------------------|---------------|----------------------------|--------------------------------|--------------------|--------------|--------------|--------------|
|              | Total            | Not disabled  | With any of 4 disabilities | Disability prevalence rate (%) | Seeing             | Hearing      | Walking      | Remembering  |
| <b>Males</b> | <b>52,698</b>    | <b>49,186</b> | <b>3,512</b>               | <b>6.7</b>                     | <b>1,759</b>       | <b>1,308</b> | <b>1,162</b> | <b>1,057</b> |
| 0 - 4        | 5,826            | 5,716         | 110                        | 1.9                            | 15                 | 14           | 93           | 65           |
| 5 - 9        | 6,367            | 6,237         | 130                        | 2.0                            | 25                 | 42           | 39           | 63           |
| 10 - 14      | 6,416            | 6,254         | 162                        | 2.5                            | 41                 | 55           | 47           | 65           |
| 15 - 19      | 5,470            | 5,323         | 147                        | 2.7                            | 36                 | 46           | 45           | 50           |
| 20 - 24      | 4,416            | 4,299         | 117                        | 2.6                            | 27                 | 41           | 51           | 35           |
| 25 - 29      | 4,100            | 3,955         | 145                        | 3.5                            | 24                 | 52           | 52           | 46           |
| 30 - 34      | 3,970            | 3,791         | 179                        | 4.5                            | 46                 | 53           | 59           | 57           |
| 35 - 39      | 3,419            | 3,262         | 157                        | 4.6                            | 44                 | 52           | 50           | 51           |
| 40 - 44      | 3,255            | 3,011         | 244                        | 7.5                            | 113                | 66           | 83           | 63           |
| 45 - 49      | 2,395            | 2,093         | 302                        | 12.6                           | 181                | 74           | 72           | 73           |
| 50 - 54      | 2,231            | 1,831         | 400                        | 17.9                           | 250                | 129          | 85           | 90           |
| 55 - 59      | 1,631            | 1,311         | 320                        | 19.6                           | 199                | 112          | 84           | 73           |
| 60 - 64      | 1,192            | 860           | 332                        | 27.9                           | 218                | 148          | 103          | 87           |
| 65 - 69      | 746              | 531           | 215                        | 28.8                           | 150                | 91           | 70           | 55           |
| 70 - 74      | 550              | 341           | 209                        | 38.0                           | 148                | 115          | 81           | 62           |
| 75 - 79      | 360              | 207           | 153                        | 42.5                           | 105                | 95           | 56           | 41           |
| 80 - 84      | 193              | 97            | 96                         | 49.7                           | 72                 | 61           | 42           | 37           |
| 85 - 89      | 100              | 38            | 62                         | 62.0                           | 39                 | 39           | 31           | 28           |
| 90 +         | 61               | 29            | 32                         | 52.5                           | 26                 | 23           | 19           | 16           |

**Table 11: (Continued)**

| Age groups     | Total Population |               |                            |                                | Type of disability |              |              |              |
|----------------|------------------|---------------|----------------------------|--------------------------------|--------------------|--------------|--------------|--------------|
|                | Total            | Not disabled  | With any of 4 disabilities | Disability prevalence rate (%) | Seeing             | Hearing      | Walking      | Remembering  |
| <b>Females</b> | <b>53,668</b>    | <b>49,392</b> | <b>4,276</b>               | <b>8.0</b>                     | <b>2,524</b>       | <b>1,637</b> | <b>1,430</b> | <b>1,410</b> |
| 0 - 4          | 5,948            | 5,842         | 106                        | 1.8                            | 18                 | 15           | 88           | 57           |
| 5 - 9          | 6,116            | 6,010         | 106                        | 1.7                            | 20                 | 39           | 43           | 31           |
| 10 - 14        | 6,312            | 6,177         | 135                        | 2.1                            | 31                 | 42           | 48           | 55           |
| 15 - 19        | 5,173            | 5,062         | 111                        | 2.1                            | 37                 | 32           | 35           | 37           |
| 20 - 24        | 4,224            | 4,120         | 104                        | 2.5                            | 20                 | 31           | 41           | 36           |
| 25 - 29        | 3,891            | 3,779         | 112                        | 2.9                            | 31                 | 40           | 38           | 44           |
| 30 - 34        | 3,641            | 3,481         | 160                        | 4.4                            | 38                 | 66           | 38           | 60           |
| 35 - 39        | 3,280            | 3,123         | 157                        | 4.8                            | 69                 | 44           | 39           | 60           |
| 40 - 44        | 3,167            | 2,869         | 298                        | 9.4                            | 171                | 83           | 60           | 78           |
| 45 - 49        | 2,674            | 2,295         | 379                        | 14.2                           | 258                | 102          | 75           | 98           |
| 50 - 54        | 2,701            | 2,197         | 504                        | 18.7                           | 335                | 156          | 119          | 138          |
| 55 - 59        | 1,951            | 1,518         | 433                        | 22.2                           | 295                | 140          | 97           | 99           |
| 60 - 64        | 1,618            | 1,158         | 460                        | 28.4                           | 326                | 177          | 133          | 124          |
| 65 - 69        | 1,021            | 696           | 325                        | 31.8                           | 225                | 139          | 119          | 101          |
| 70 - 74        | 864              | 542           | 322                        | 37.3                           | 223                | 168          | 144          | 126          |
| 75 - 79        | 458              | 247           | 211                        | 46.1                           | 157                | 123          | 93           | 85           |
| 80 - 84        | 351              | 174           | 177                        | 50.4                           | 135                | 113          | 108          | 93           |
| 85 - 89        | 159              | 59            | 100                        | 62.9                           | 72                 | 69           | 54           | 39           |
| 90 +           | 119              | 43            | 76                         | 63.9                           | 63                 | 58           | 58           | 49           |

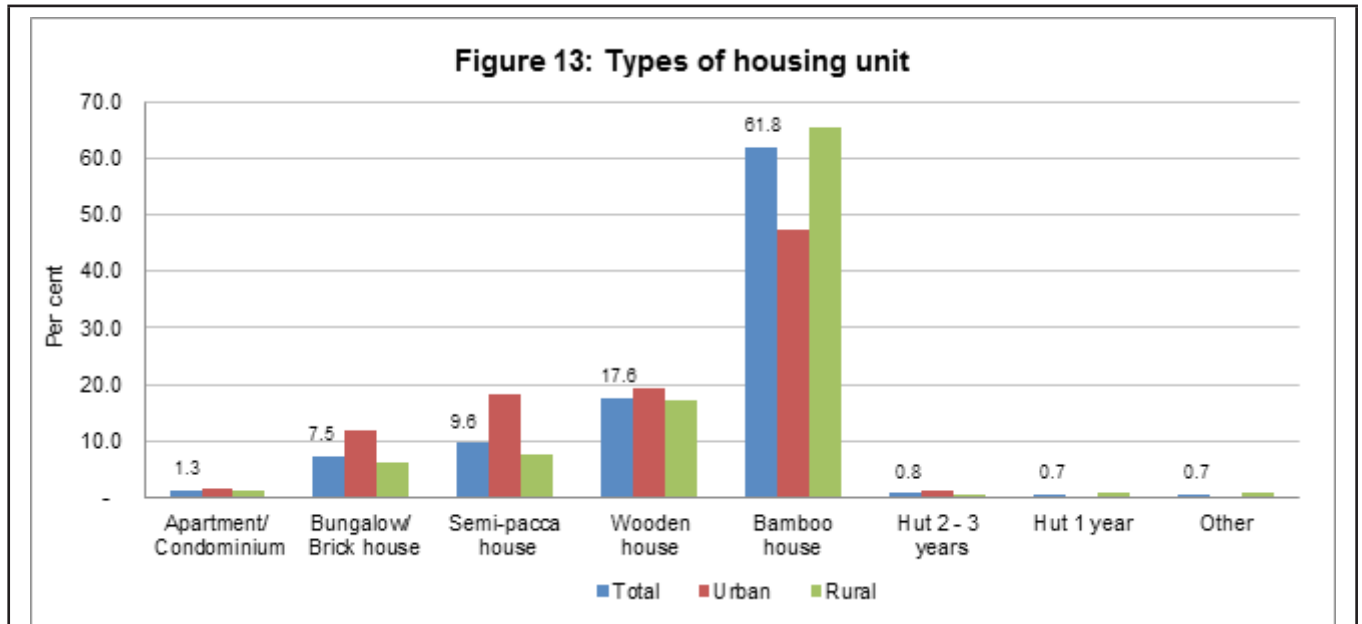
- Seven in every 100 persons in Waingmaw Township have, at least, one form of disability.
- Slightly more females than males have disability.
- The prevalence of disability increases with age and it increases considerably after the age of 60.
- Difficulties with seeing and hearing were the most commonly mentioned forms of disability in the Township.

## (G) Housing Conditions and Household Amenities

### Type of housing unit

Table 12: Conventional households by type of housing unit by urban/rural

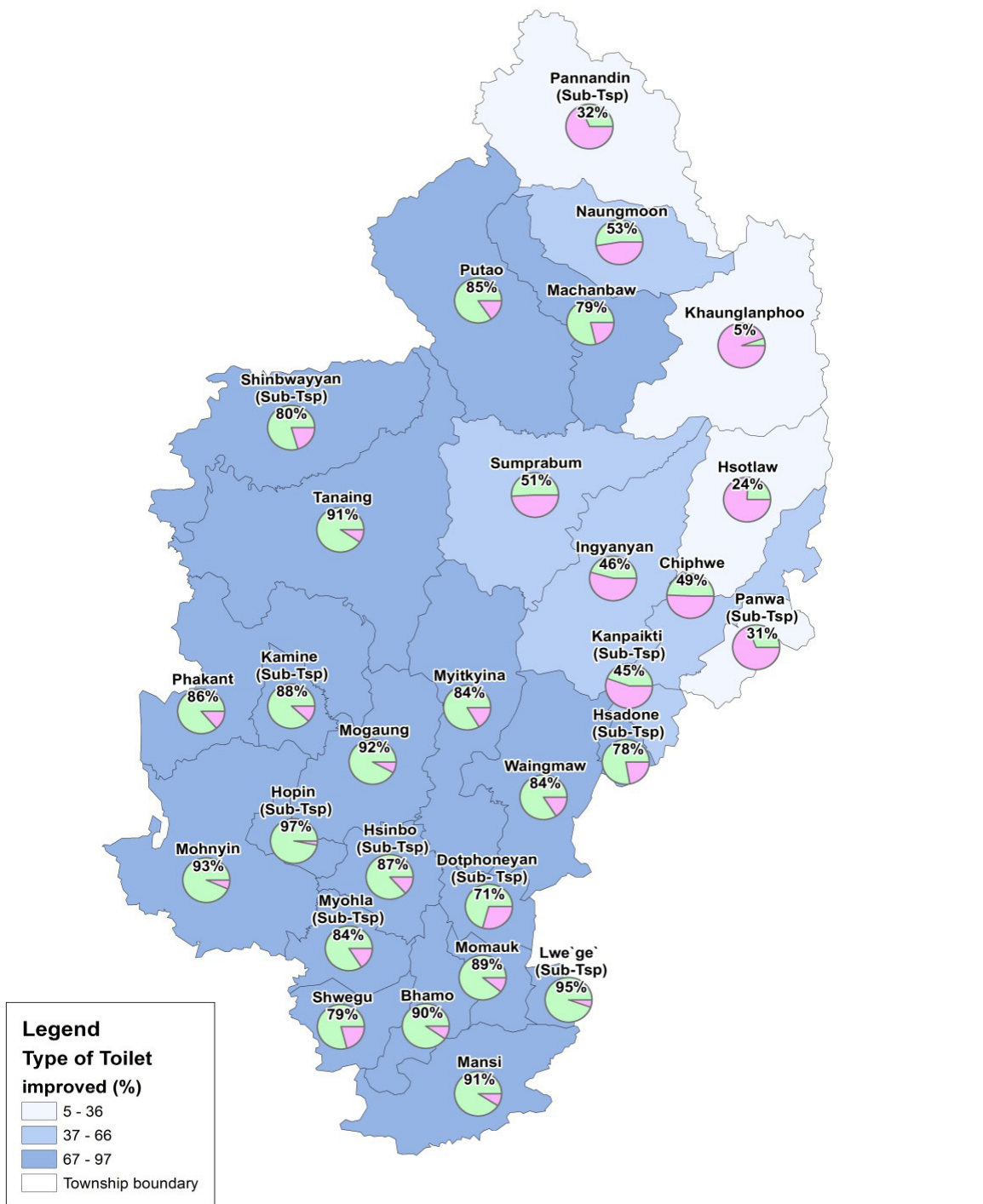
| Residence | Total  | Apartment/<br>Condominium | Bungalow/<br>Brick house | Semi-pacca<br>house | Wooden<br>house | Bamboo<br>house | Hut 2 - 3<br>years | Hut 1 year | Other |
|-----------|--------|---------------------------|--------------------------|---------------------|-----------------|-----------------|--------------------|------------|-------|
| Total     | 19,780 | 1.3                       | 7.5                      | 9.6                 | 17.6            | 61.8            | 0.8                | 0.7        | 0.7   |
| Urban     | 3,820  | 1.5                       | 11.8                     | 18.2                | 19.3            | 47.5            | 1.4                | 0.1        | 0.3   |
| Rural     | 15,960 | 1.2                       | 6.4                      | 7.6                 | 17.2            | 65.3            | 0.7                | 0.9        | 0.8   |



- The majority of the households in Waingmaw Township are living in bamboo houses (61.8%) followed by households in wooden houses (17.6%).
- About 47.5 per cent of urban households and 65.3 per cent of rural households live in bamboo houses.

Type of toilet

Figure 14: Proportion of households with access to improved sanitation



|                    |         |
|--------------------|---------|
| Union              | : 74.3% |
| Kachin State       | : 85.5% |
| Myitkyina District | : 80.9% |
| Waingmaw Township  | : 84.0% |

**Table 13: Conventional households by type of toilet by urban/rural**

| Type of toilet                    |                 | Total         | Urban        | Rural         |
|-----------------------------------|-----------------|---------------|--------------|---------------|
| Flush                             |                 | 0.8           | 1.4          | 0.7           |
| Water seal (Improved pit latrine) |                 | 83.2          | 92.2         | 81.1          |
| <i>Improved sanitation</i>        |                 | <i>84.0</i>   | <i>93.6</i>  | <i>81.8</i>   |
| Pit (Traditional pit latrine)     |                 | 11.2          | 5.4          | 12.5          |
| Bucket (Surface latrine)          |                 | 0.3           | *            | 0.4           |
| Other                             |                 | 2.0           | 0.6          | 2.3           |
| None                              |                 | 2.5           | 0.4          | 3.0           |
| <b>Total</b>                      | <b>Per cent</b> | <b>100.0</b>  | <b>100.0</b> | <b>100.0</b>  |
|                                   | <b>Number</b>   | <b>19,780</b> | <b>3,820</b> | <b>15,960</b> |

- Up to 84.0 per cent of the households in Waingmaw Township have improved sanitation facilities (flush toilet (0.8%), water seal (improved pit latrine) (83.2%)).
- Compared to other townships in Kachin State, Waingmaw belongs to the (67-97) proportion group of households with improved sanitation facilities.
- The proportion of households with improved sanitation facilities in Kachin State is 85.5 per cent while it is 74.3 per cent at the Union level.
- About 2.5 per cent of the households in the Waingmaw Township have no toilet facilities. For the entire Kachin State, it is 2.0 per cent.
- In the rural areas of Waingmaw Township, 3.0 per cent of the households have no toilet facilities.

Note: \* Less than 0.1 per cent.

## Source of drinking water

Figure 15: Proportion of households with access to improved source of drinking water



|                    |         |
|--------------------|---------|
| Union              | : 69.5% |
| Kachin State       | : 76.6% |
| Myitkyina District | : 77.3% |
| Waingmaw Township  | : 67.9% |



**Table 14: Conventional households by source of drinking water by urban/rural**

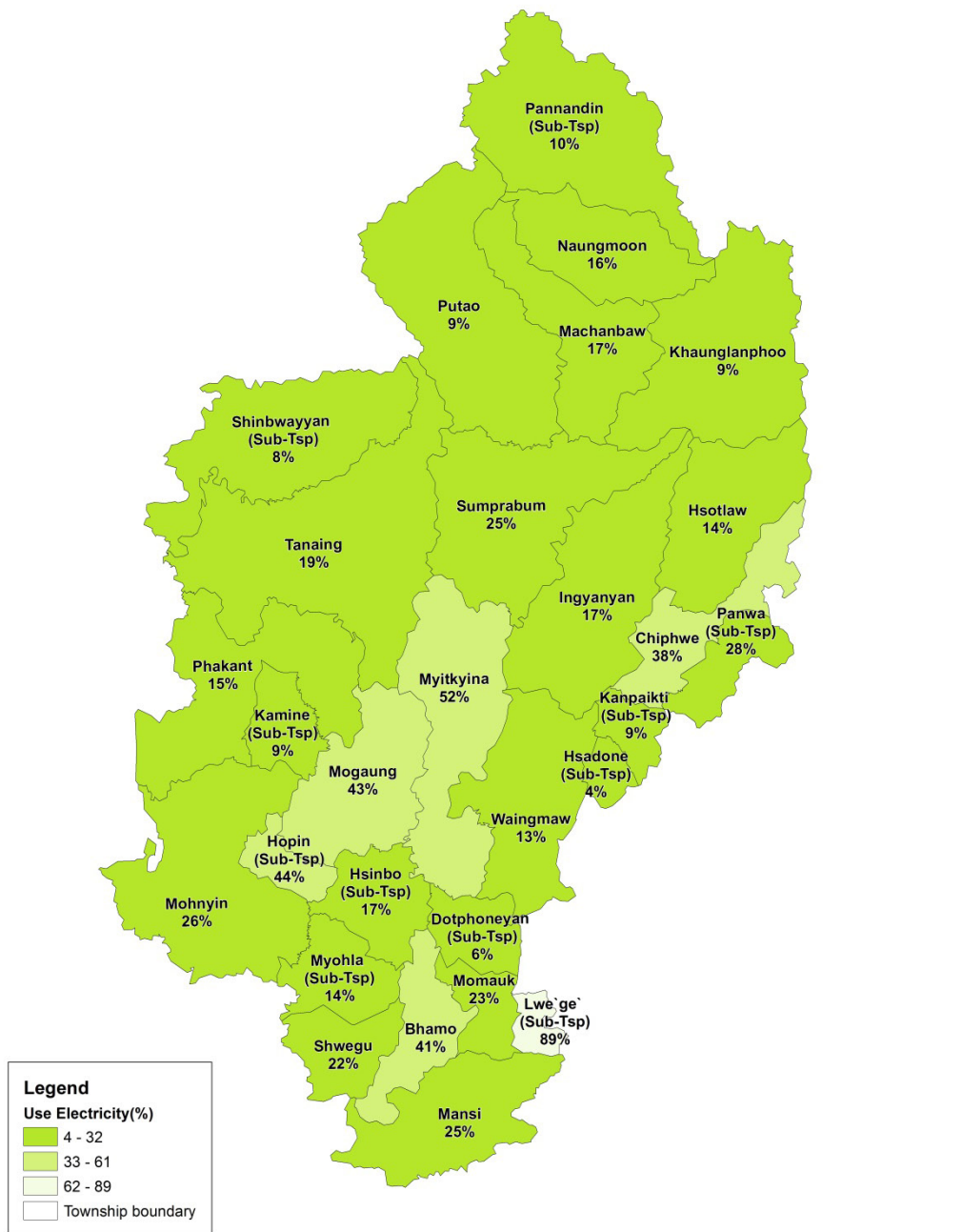
| Source of drinking water               |                 | Total         | Urban        | Rural         |
|--|-----------------|---------------|--------------|---------------|
| Tap water/ Piped                       |                 | 0.3           | 0.5          | 0.3           |
| Tube well, borehole                    |                 | 14.4          | 9.8          | 15.6          |
| Protected well/ Spring                 |                 | 50.1          | 56.8         | 48.4          |
| Bottled water/ Water purifier          |                 | 3.1           | 10.2         | 1.4           |
| <i>Total improved drinking water</i>   |                 | <i>67.9</i>   | <i>77.3</i>  | <i>65.7</i>   |
| Unprotected well/Spring                |                 | 23.6          | 18.4         | 24.8          |
| Pool/Pond/ Lake                        |                 | *             | *            | *             |
| River/stream/ canal                    |                 | 4.4           | 2.2          | 4.9           |
| Waterfall/ Rain water                  |                 | 2.6           | -            | 3.3           |
| Other                                  |                 | 1.5           | 2.1          | 1.3           |
| <i>Total unimproved drinking water</i> |                 | <i>32.1</i>   | <i>22.7</i>  | <i>34.3</i>   |
| <b>Total</b>                           | <b>Per cent</b> | <b>100.0</b>  | <b>100.0</b> | <b>100.0</b>  |
|  | <b>Number</b>   | <b>19,780</b> | <b>3,820</b> | <b>15,960</b> |

- In Waingmaw Township, 67.9 per cent of households use improved sources of drinking water (tap water/piped, tube well, borehole, protected well/spring and bottled water/water purifier).
- Compared to other townships in Kachin State, Waingmaw household belongs to the (66-97) group proportion in use improved sources for drinking water and it is slightly lower than the Union average (69.5%).
- About 50.1 per cent of the households use water from protected well/spring and 23.6 per cent use water from unprotected well/spring.
- About 32.1 per cent of the households use water from unimproved sources.
- In rural areas, 34.3 per cent of the households use water from unimproved sources for drinking water.

Note: \* Less than 0.1 per cent.

Source of lighting

Figure 16: Proportion of households using electricity for lighting



|                    |         |
|--------------------|---------|
| Union              | : 32.4% |
| Kachin State       | : 30.3% |
| Myitkyina District | : 36.3% |
| Waingmaw Township  | : 12.8% |

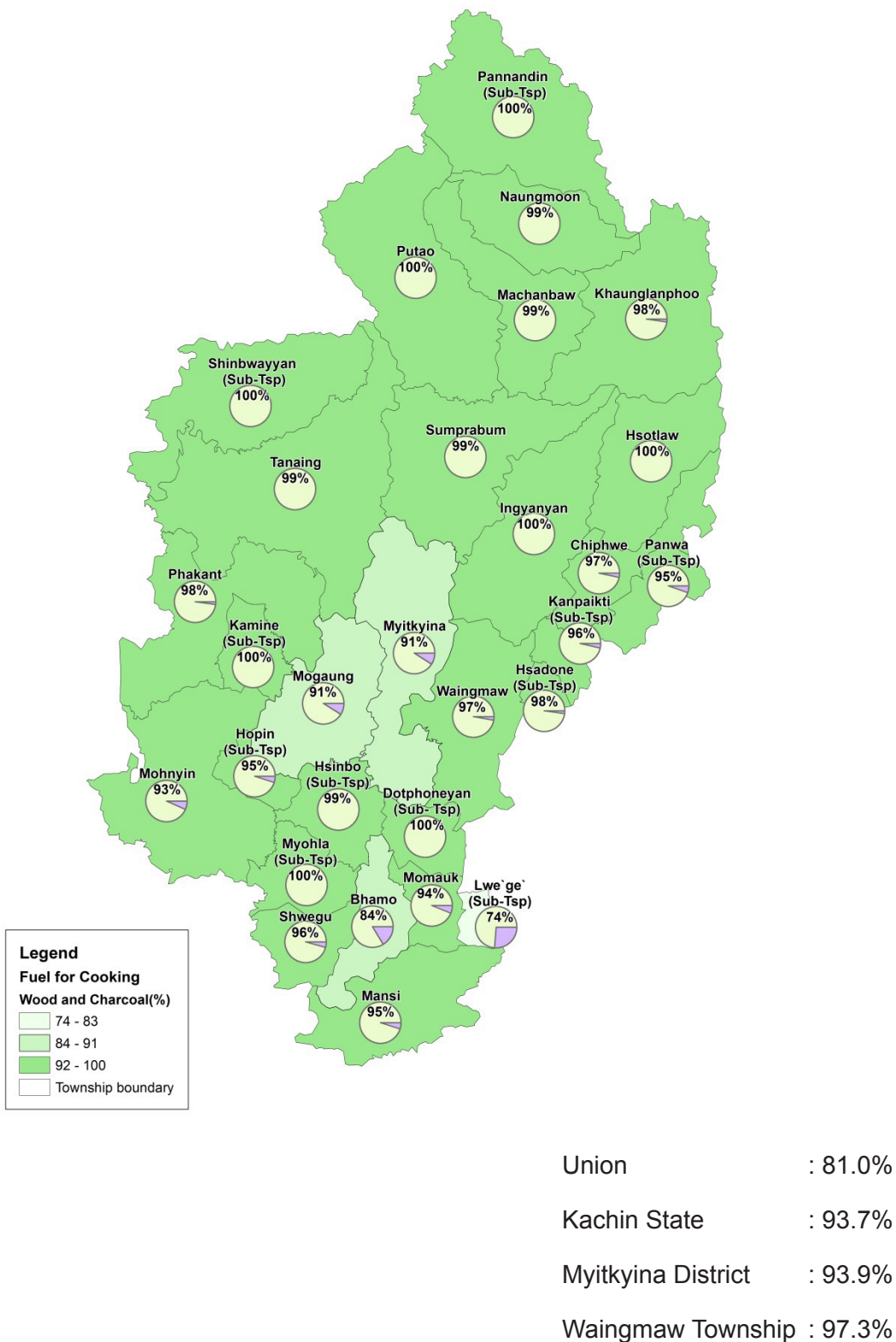
**Table 15: Conventional households by source of lighting by urban/rural**

| Source of lighting   |                 | Total         | Urban        | Rural         |
|----------------------|-----------------|---------------|--------------|---------------|
| Electricity          |                 | 12.8          | 40.1         | 6.2           |
| Kerosene             |                 | 0.3           | 0.3          | 0.4           |
| Candle               |                 | 42.9          | 21.3         | 48.1          |
| Battery              |                 | 3.7           | 4.5          | 3.5           |
| Generator (private)  |                 | 7.1           | 1.3          | 8.5           |
| Water mill (private) |                 | 5.4           | 16.3         | 2.9           |
| Solar system/energy  |                 | 27.1          | 16.0         | 29.8          |
| Other                |                 | 0.6           | 0.3          | 0.7           |
| <b>Total</b>         | <b>Per cent</b> | <b>100.0</b>  | <b>100.0</b> | <b>100.0</b>  |
|                      | <b>Number</b>   | <b>19,780</b> | <b>3,820</b> | <b>15,960</b> |

- In Waingmaw Township, 12.8 per cent of the households use electricity for lighting. This proportion belongs to the (4-32) group in electricity usage compared to other townships in Kachin State. The percentage of households that use electricity in Kachin State is 30.3 per cent.
- The use of candle for lighting is the highest in the township with 42.9 per cent.
- In rural areas, 48.1 per cent of the households use candle for lighting.

Type of cooking fuel

Figure 17: Proportion of households using wood-related cooking fuel



**Table 16: Conventional households by type of cooking fuel by urban/rural**

| Type of cooking fuel |                 | Total         | Urban        | Rural         |
|----------------------|-----------------|---------------|--------------|---------------|
| Electricity          |                 | 2.0           | 5.2          | 1.2           |
| LPG                  |                 | *             | 0.1          | *             |
| Kerosene             |                 | *             | *            | *             |
| BioGas               |                 | 0.1           | 0.1          | 0.1           |
| Firewood             |                 | 90.0          | 74.0         | 93.9          |
| Charcoal             |                 | 7.3           | 19.0         | 4.4           |
| Coal                 |                 | 0.4           | 0.8          | 0.3           |
| Other                |                 | 0.2           | 0.7          | 0.1           |
| <b>Total</b>         | <b>Per cent</b> | <b>100.0</b>  | <b>100.0</b> | <b>100.0</b>  |
|                      | <b>Number</b>   | <b>19,780</b> | <b>3,820</b> | <b>15,960</b> |

- In Waingmaw Township, households mainly use wood-related fuels for cooking with 90.0 per cent using firewood and 7.3 per cent using charcoal.
- About 2.0 per cent of households use electricity for cooking.
- About 93.9 per cent of households in rural areas use firewood and 4.4 per cent use charcoal.

Note: \* Less than 0.1 per cent.

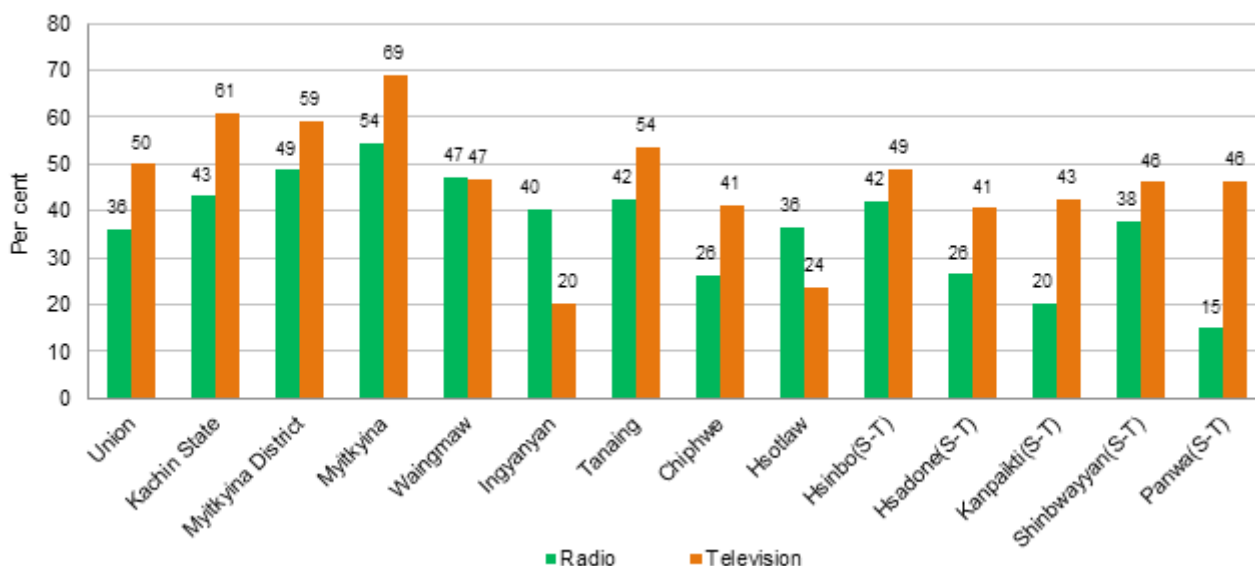
## Communication and related amenities

**Table 17: Conventional households by availability of communication and related amenities by urban/rural**

| Residence | Conventional households | Radio | Television | Land line phone | Mobile phone | Computer | Internet at home | % with none of the items | % with all of the items |
|-----------|-------------------------|-------|------------|-----------------|--------------|----------|------------------|--------------------------|-------------------------|
| Total     | 19,780                  | 47.2  | 46.8       | 6.0             | 23.6         | 2.2      | 2.6              | 30.0                     | 0.3                     |
| Urban     | 3,820                   | 53.9  | 63.9       | 9.9             | 44.3         | 5.7      | 7.3              | 16.6                     | 1.0                     |
| Rural     | 15,960                  | 45.6  | 42.8       | 5.1             | 18.6         | 1.4      | 1.4              | 33.2                     | 0.1                     |

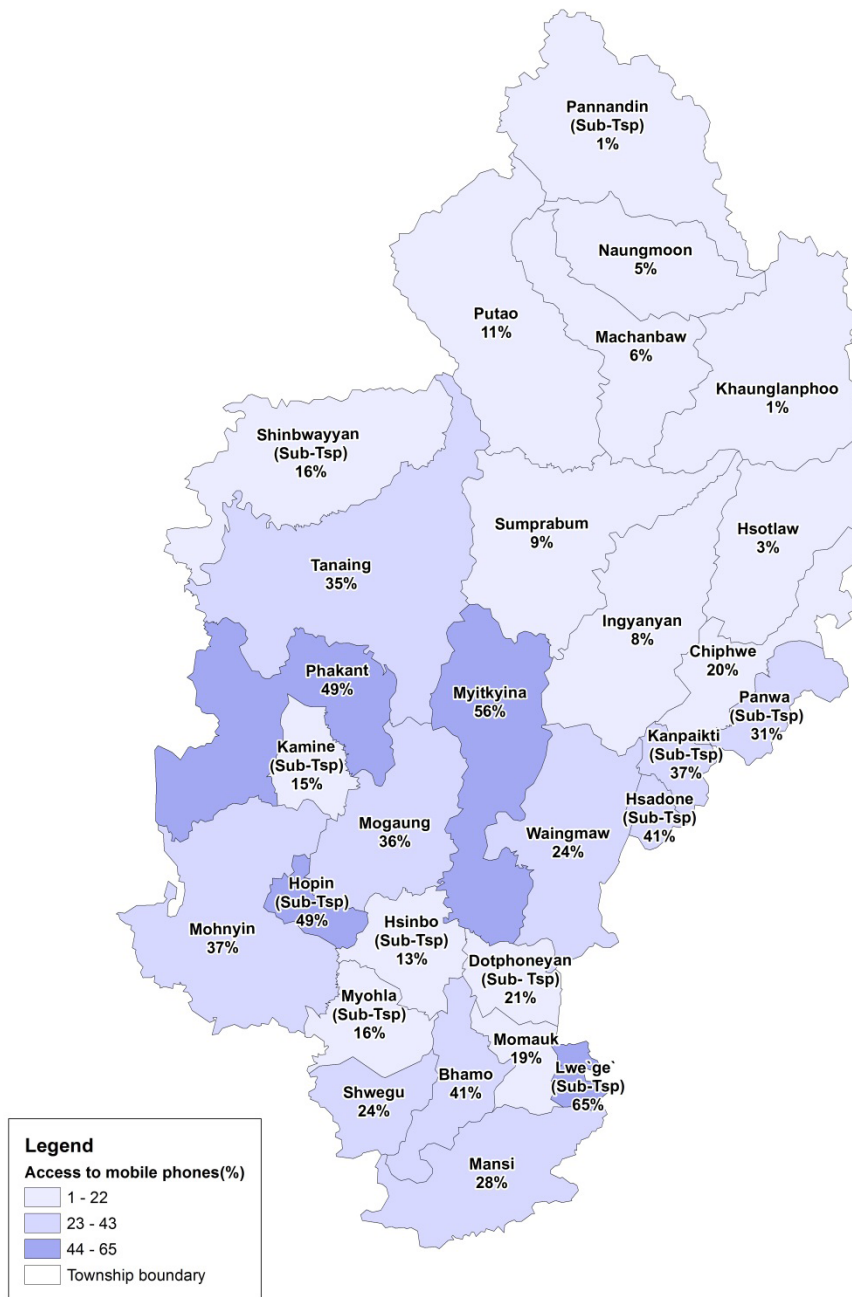
- About 47.2 per cent of the households in Waingmaw Township have access to radio and is the highest among the access of communication and related amenities. About 63.9 per cent of households in urban areas have access to television, while the proportion for rural areas was 45.6 per cent of households have access to radio.

**Figure 18: Percentage of households with access to radio and television**



- About 46.8 per cent of the households in Waingmaw Township have access to television and one in two households (47.2%) reported having a radio.

**Figure 19: Proportion of households with access to mobile phone**



|                    |         |
|--------------------|---------|
| Union              | : 32.9% |
| Kachin State       | : 37.5% |
| Myitkyina District | : 42.9% |
| Waingmaw Township  | : 23.6% |

- About 23.6 per cent of the households in Waingmaw Township reported having mobile phones. In Kachin State, 37.5 per cent have mobile phones.

## Transportation items

**Table 18: Conventional households by availability of transportation items by urban/rural**

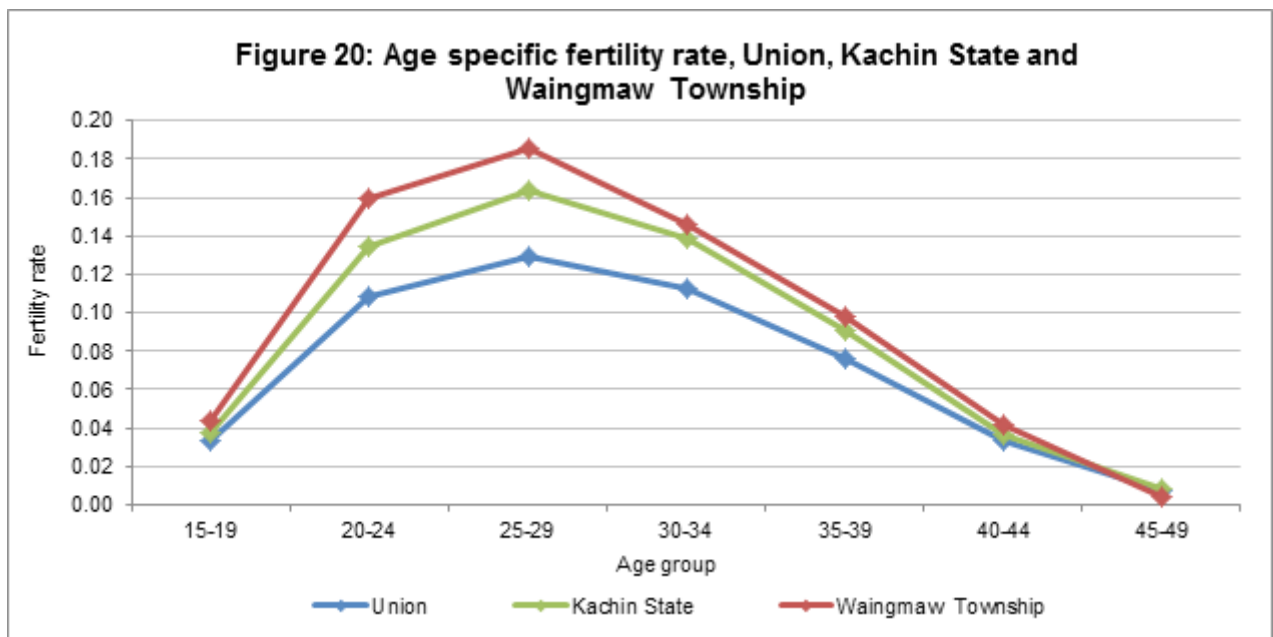
| State/District/<br>Township | Conventional<br>households | Car/Truck/<br>Van | Motorcycle/<br>Moped | Bicycle | 4-Wheel<br>tractor | Canoe/<br>Boat | Motor boat | Cart<br>(bullock) |
|-----------------------------|----------------------------|-------------------|----------------------|---------|--------------------|----------------|------------|-------------------|
| Kachin State                | 269,365                    | 10,911            | 188,959              | 94,853  | 14,759             | 10,977         | 6,252      | 70,938            |
| Urban                       | 95,859                     | 5,765             | 75,218               | 44,841  | 2,780              | 1,683          | 1,249      | 10,459            |
| Rural                       | 173,506                    | 5,146             | 113,741              | 50,012  | 11,979             | 9,294          | 5,003      | 60,479            |
| Myitkyina District          | 88,643                     | 4,103             | 62,774               | 32,469  | 1,882              | 1,879          | 1,504      | 15,537            |
| Urban                       | 50,264                     | 3,440             | 40,587               | 24,094  | 969                | 611            | 744        | 4,547             |
| Rural                       | 38,379                     | 663               | 22,187               | 8,375   | 913                | 1,268          | 760        | 10,990            |
| Waingmaw Township           | 19,780                     | 404               | 12,560               | 6,650   | 599                | 337            | 236        | 5,915             |
| Urban                       | 3,820                      | 191               | 2,982                | 1,944   | 119                | 82             | 57         | 759               |
| Rural                       | 15,960                     | 213               | 9,578                | 4,706   | 480                | 255            | 179        | 5,156             |

- In Waingmaw Township, 63.5 per cent of the households have motorcycle/moped as a means of transport and it is the highest proportion, followed by 33.6 per cent of households having bicycle.
- Analysis by urban/rural residence, the majority of the households mainly use motorcycle/moped as a means of transport.



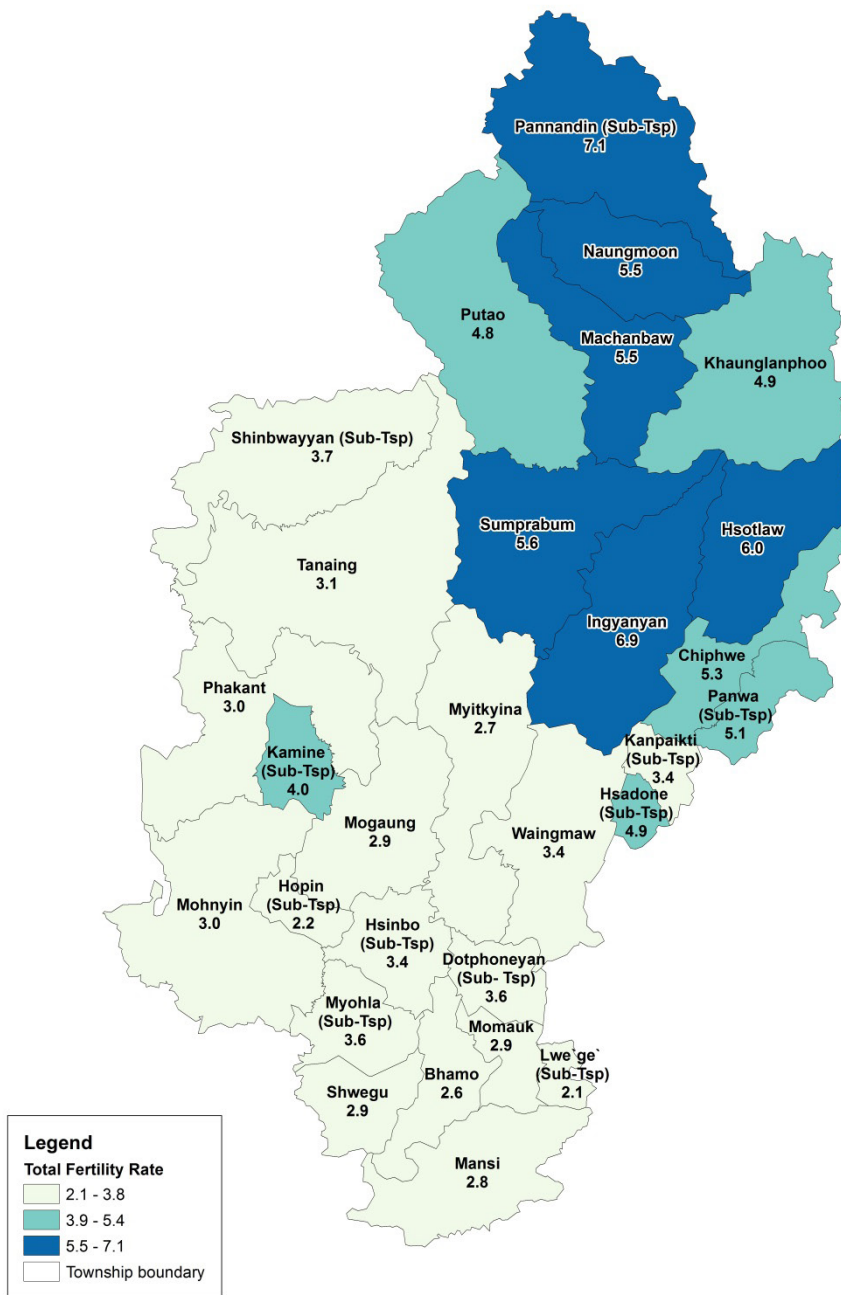
## (H) Fertility and Mortality

### Fertility

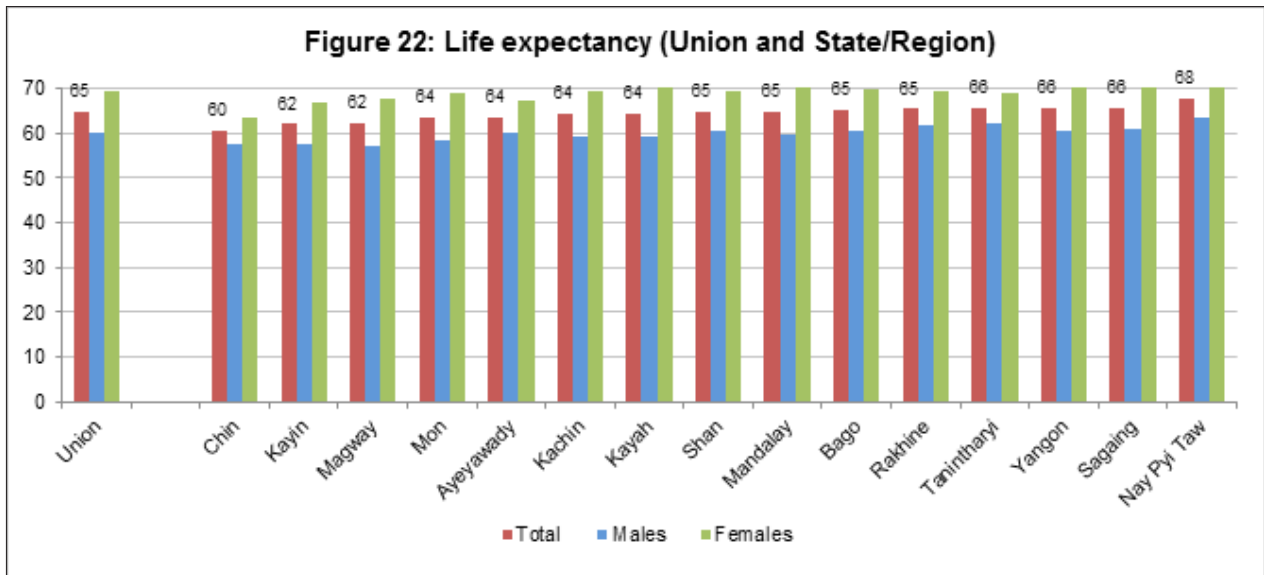


- Age specific fertility rate is the highest at age group 25-29.
- For women aged 15-49, the total fertility rate is 3.4 children per woman and it is higher than the total fertility rate of 2.5 at the National level.

Figure 21 : Total Fertility rate

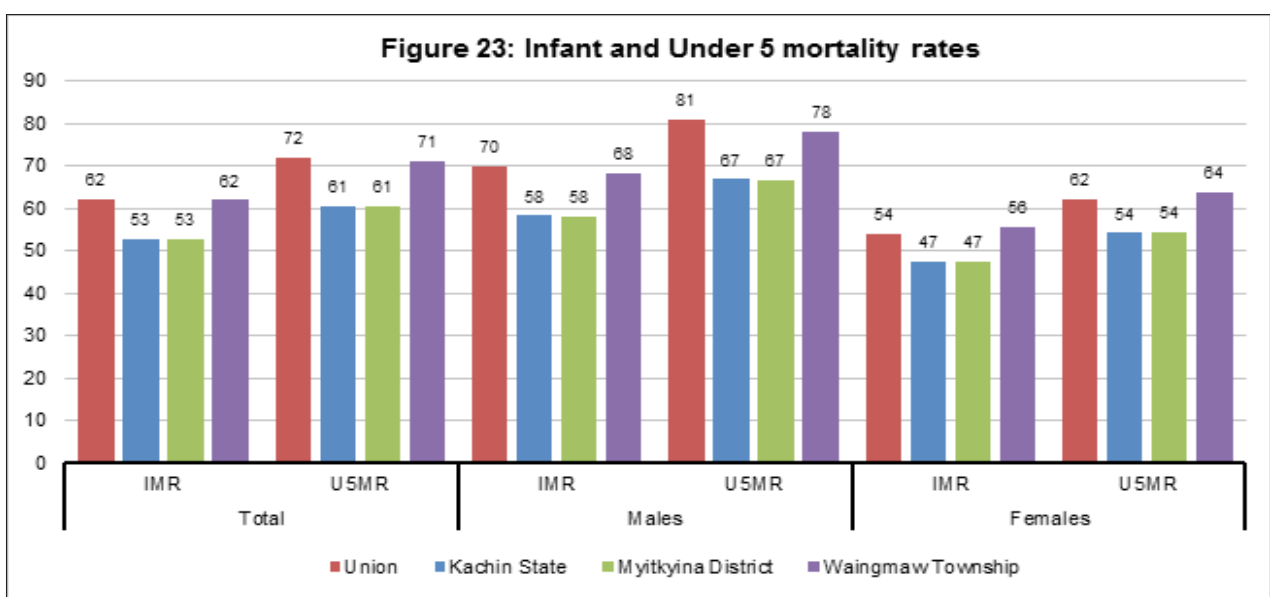


|                    |       |
|--------------------|-------|
| Union              | : 2.5 |
| Kachin State       | : 3.0 |
| Myitkyina District | : 3.1 |
| Waingmaw Township  | : 3.4 |



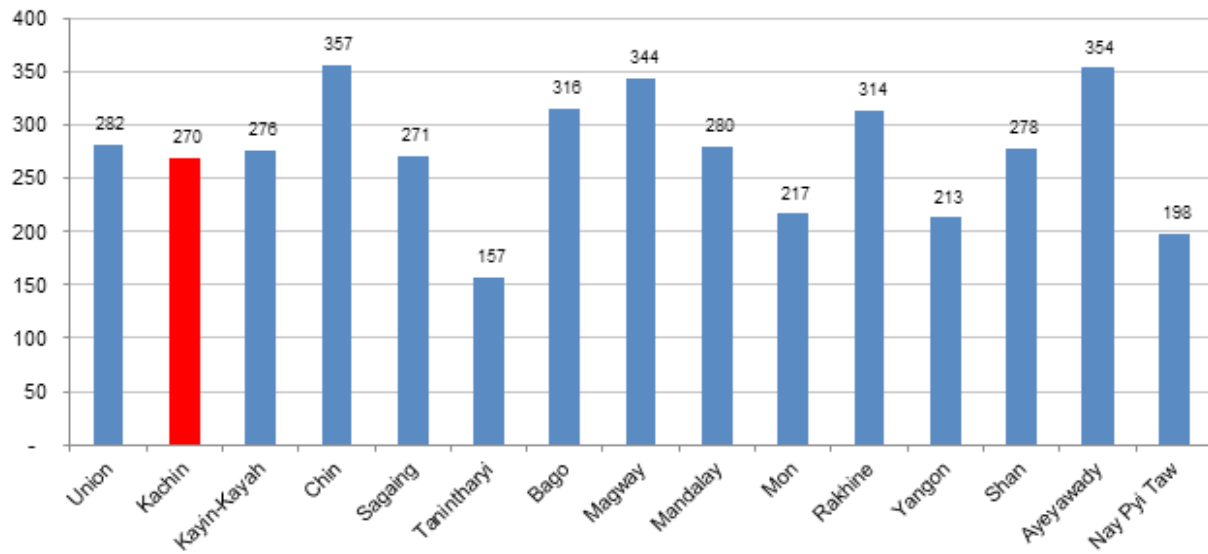
- The expectation of life at birth in Kachin State is 64.2 years and is lower than that of National level at 64.7 years.
- The female life expectancy at 69.3 years is higher than that of the males at 59.4 years.

### Childhood Mortality and Maternal Mortality



- The Infant and Under 5 mortality rates in Myitkyina District are lower than the Union average. The Infant mortality in Myitkyina District is 53 deaths under age one per 1,000 live births while Under 5 mortality is 61 deaths under age 5 per 1,000 live births.
- The Infant and Under 5 mortality rates in Waingmaw Township are higher than those in Kachin State and Myitkyina District. The Infant mortality in Waingmaw is 62 per 1,000 live births and Under 5 mortality is 71 per 1,000 live births.

**Figure 24: Maternal mortality ratios (Union and State/Region)**



- In Kachin State, there are 270 women dying while during pregnancy/delivery or within 42 days of termination of pregnancy for every 100,000 live births.
- The maternal mortality ratio in Kachin State is lower than that of the Union level.
- Compared to the average maternal mortality ratio of 140 for Southeast Asian countries, the maternal mortality ratio of 282 for Myanmar is high.

## Definitions and Concepts

**Population:** The population in this report corresponds to the de-facto population of Myanmar on Census Night (see below).

**Census Night:** The night between the 29<sup>th</sup> and the 30<sup>th</sup> March 2014. Every person in Myanmar was enumerated where they spent the Census Night.

**Rural area:** Areas classified by the Department of General Administration (GAD) as village tracts. Generally these are areas with low population density and a land use which is predominantly agricultural.

**Urban area:** Areas classified by the GAD as wards. Generally these areas have an increased density of building structures, population and better infrastructural development.

**Population Density:** The population density relates to the number of persons in a given administrative area to the surface of the area, expressed in square kilometres (Km<sup>2</sup>). Areas covered by water are excluded from the calculation.

**Mean Household Size:** The average number of persons per household (people living in households divided by number of conventional households).

**Sex ratio:** The number of males for every 100 females in a population.

**Dependency ratio:** The total dependency ratio is the ratio of dependents (people younger than 15 years and older than 64) to the population of working-age (age 15-64). Data are shown as the proportion of dependents per 100 working-age population. Three different measures can be calculated: total dependency ratio, child dependency ratio and old age dependency ratio.

**Child Dependency Ratio:** is the proportion of people younger than 15 years to the working age population (15-64).

**Old Dependency Ratio:** is the proportion of people older than 64 years to the working age population (15-64).

**Ageing Index:** The number of persons aged 65 years and over per 100 people under the age of 15 years.

**Median Age:** The age that divides a population into two numerically equal groups; that is, half the people are younger than this age and half are older.

**Education:** Education is the process by which people learn through instruction and teaching. The 2014 MPHC placed an emphasis on literacy skills, school attendance and educational attainment. The other categorisations used under education were:

(a) **Literacy:** The ability to read and write in any language with reasonable understanding.

(b) **School attendance:** The attendance at any regular educational institution or systematic instruction at any level of education during the last 12 months. This included schooling at pre-primary, primary, middle, high school and tertiary institutions of higher learning. The options were:

(a) Currently attending; (b) Attended previously; (c) Never attended.

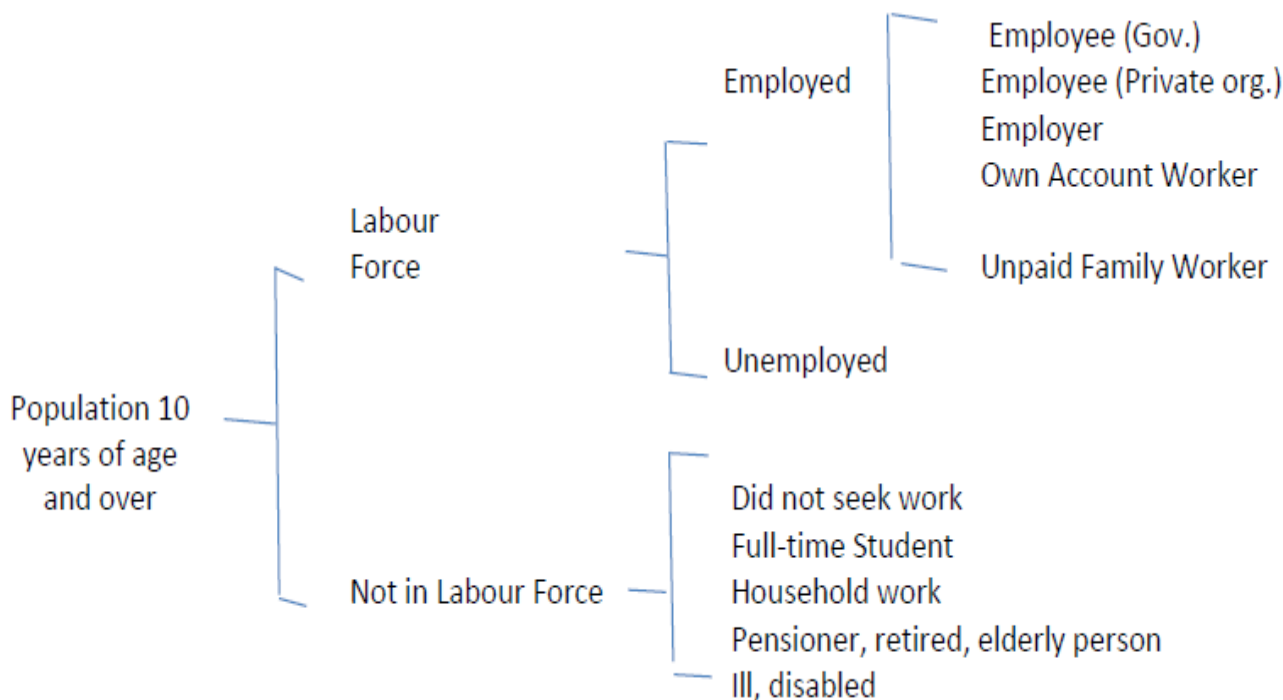
(c) **Educational Attainment:** The highest grade/standard/diploma/degree completed within the most advanced level attended in the education system of the country where the education was received. It covered both public and private institutions accredited by government.

**Disability:** Disability is a situation where a person is at a greater risk than the general population of experiencing restrictions in performing routine activities (including activities of daily living) or participating in roles (such as work) if no supportive measures are offered. The difficulties covered in the 2014 census included:

- (a) **Walking difficulty** (wheel chairs, crutches, limping, problems climbing steps);
- (b) **Seeing difficulty** (low vision, blind);
- (c) **Hearing difficulty** (partially or completely deaf);
- (d) **Mental/Intellectual difficulty** (slow learning development making it hard to compete with their counterparts at school, other mental conditions).

**Identity card:** An identity card is a document used to verify aspects of a person's personal identity. There are several types of identity cards issued by the Government of Myanmar, and national passports in the case of foreigners.

**Labour Force Status:** According to the type of usual economic activities during the 12 months before Census Night, all persons 10 years of age and over were classified as follows:



**Labour Force:** The Labour force is a general term covering “employed” and “unemployed” persons in the population.

**Employed:** “Employed” persons refer to those who did any work during the time of the week before the census date or worked for more than 6 months in the 12 months before the census date for pay or profit, such as a wage, salary, allowance, business profit, etc. Also included in this category were persons

working in family businesses, on a farm, in a store, in a private hospital etc., even though they were not paid any wages.

**Unemployed:** “Unemployed” persons refer to those who had no work but were able to work and actually seeking a job during the reference period, or at the time of the census enumeration.

**Not in labour force:** This category comprised persons who had no work and did not make any positive efforts to find a job during the 6 months before the census date or were unable to work. This included full time students, household work, elderly people, etc.

**Employment Status:** All employed persons were classified according to the economic activity status in the place where they worked during the last 12 months or if they worked in more than one place, where they worked most of the time. There were five employment categories:

- (a) **Employee (Government):** those employed and working for government including in state organisation institutions.
- (b) **Employee (Private organisation):** those employed and working for private employers or private organisations. All people in private companies, NGOs, international organisations, retail and wholesale enterprises fell under this category.
- (c) **Employer:** persons who during the reference period worked in their own business, which also employed one or more other persons.
- (d) **Own account worker:** self-employed persons who worked in their own business or worked in their own/family business for family gain **and did not have any employees.**
- (e) **Unpaid family worker:** persons who worked in a business, farm, trade or professional enterprise operated by a member of the household/family and received no pay.

**Labour force participation rate:** The labour force participation rate is the ratio between the labour force and the overall size of the total population of the same age range. This is an important indicator as it portrays the proportion of the population that is economically active.

$$\text{Labour force participation rate} = \frac{\text{Labour force (Employed + Unemployed)}}{\text{Total Population}} \times 100$$

**Unemployment rate:** The percentage of the total labour force that is unemployed but actively seeking employment and willing to work. These are people who are without work, looking for jobs and available for work.

$$\text{Unemployment rate} = \frac{\text{Unemployed}}{\text{Labour force (Employed + Unemployed)}} \times 100$$

**Employment to population ratio:** A statistical ratio that measures the proportion of the country's working-age population (ages 15 to 64) that is employed. The International Labour Organization (ILO) states that a person is considered employed if they have worked at least 1 hour in "gainful" employment in the most recent week.

$$\text{Employment to population ratio} = \frac{\text{Employed}}{\text{Total Population}} \times 100$$

**Occupation:** Occupation refers to the kind of work an employed person did in the establishment during the 12 months (reference period) before the census date. Put differently, occupation is the kind of work done during the last 12 months by the person employed, regardless of the industry of the establishment. In the 2014 Myanmar Census, field data collectors were instructed to collect a detailed description of the work being done such as accounts clerk, data entry operator (clerk), legal secretary, domestic worker, fisherman, human resource manager, etc. If an employed person was engaged in two or more jobs, the kind of work was decided by the work in which he/she was mainly engaged in, that is in terms of time. The occupational classification is based on the ISCO 2008.

**Industry:** Industry refers to the main activity of the establishment where an employed person usually worked during the 12 months (reference period) before the census date. In the 2014 Myanmar Census, industry was explained to the enumerators as the type of economic activity carried out at the person's place of work. It is defined in terms of the kind of goods produced or services supplied by the enterprise in which the person works and not necessarily the specific duties or functions of the person's job. For example, a clerical officer working in stores within a factory that makes television sets. The industry should be recorded as manufacture of electrical goods. If an employed person worked in two or more establishments, "industry" was decided by the establishment where he/she worked most. The industrial classification is based on the ISIC Revision 4.

**Live Birth:** A live birth is one where the infant shows one or more of the following signs of life immediately after birth: crying or similar sounds, movement of the limbs or any other parts of the body and/or any other tangible signs of life. The census was concerned only with children born alive. Also collected was information on the last live birth of ever married female respondents.

**Total fertility rate (TFR):** The average number of children that a woman would give birth to if all women lived to the end of their childbearing years and bore children according to the current schedule of age-specific fertility rates.

$$\text{Total fertility rate (TFR)} = 5 \sum \text{Age specific fertility rate (ASFR)}$$

**Age specific fertility rate (ASFR):** The age-specific fertility rate measures the annual number of births to women of a specified age or age group per 1,000 women in that age group. Unless otherwise specified, the reference period for the age-specific fertility rates is the calendar year.



## List of Contributors

### Contributors to the Kachin State, Myitkyina District, Waingmaw Township Report

| Name                               | Institution  | Role                                    |
|------------------------------------|--|---|
| <b>Prepared by</b>                 |  |   |
| Daw Khin Mar Oo                    | Staff Officer, Department of Population            | Leader                                  |
| Daw Hnin Thandar Kyaw              | Junior Clerk, Department of Population             | Assistant                               |
| Daw Aye Moh Moh                    | Junior Clerk, Department of Population             | Assistant                               |
|                                    |  |   |
| <b>Translator and Reviewer</b>     |  |   |
| U Geoge Paw Tun                    | UNFPA Consultant                                   | Translation and Review                  |
|                                    |  |   |
| <b>Data Processing and IT Team</b> |  |   |
| Daw Sandar Myint                   | Deputy Director,<br>Department of Population       | Programming and generation<br>of tables |
| Daw Su Myat Oo                     | Immigration Assistant,<br>Department of Population | Generation of tables                    |
| Daw Aye Thiri Zaw                  | Junior Clerk, Department of Population             | Generation of tables                    |
| Daw Lin Lin Mar                    | Staff Officer, Department of Population            | Generation of maps                      |
| Daw Tin Moe Mar                    | Superintendent,<br>Department of Population        | Generation of maps                      |
| U Khun Zin Naing Tun               | Junior Clerk, Department of Population             | Generation of maps                      |
|                                    |  |   |
| <b>Designer</b>                    |  |   |
| U Naing Phyo Kyaw                  | Staff Officer, Department of Population            | Graphic Designer                        |
| U Soe Naing                        | Junior Clerk, Department of Population             | Graphic Designer                        |
|                                    |  |   |



The Townships Reports  
can be downloaded at :

[www.dop.gov.mm](http://www.dop.gov.mm)

or

<http://myanmar.unfpa.org/census>

