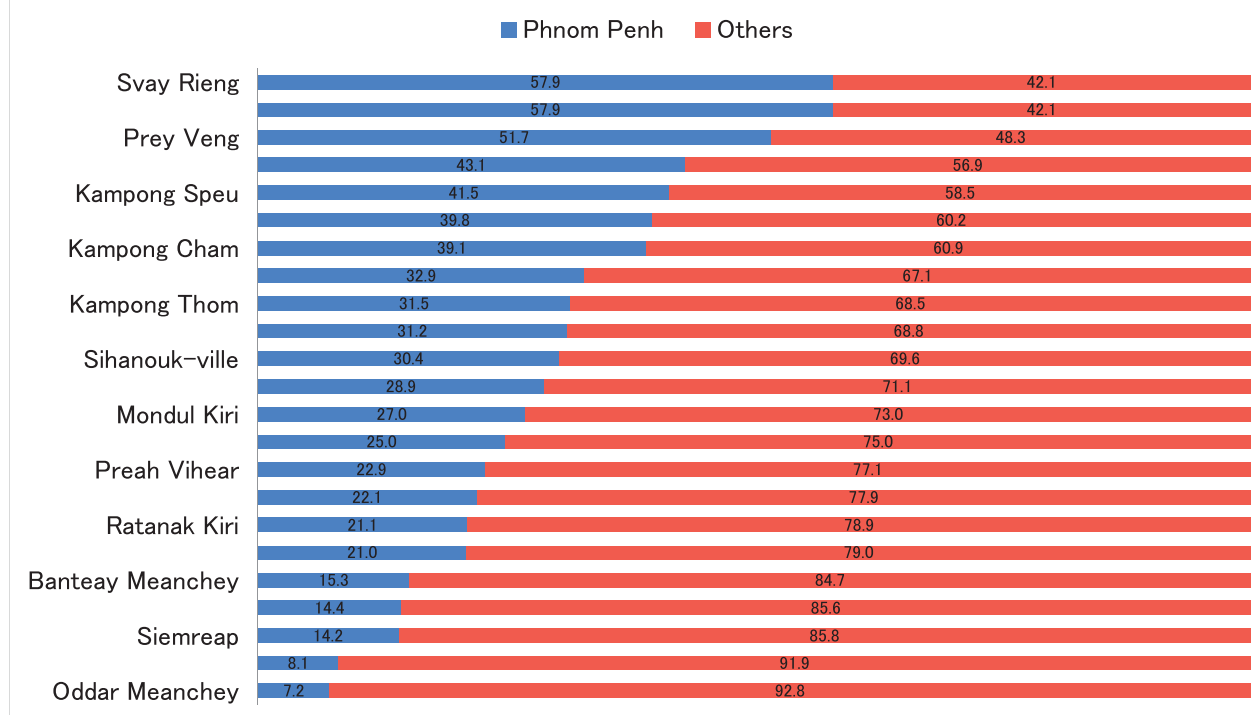


**Figure 4.6 Proportion of Recent Out-Migrants to Phnom Penh: 2008,**



## 4.2 IMPACT OF PROVINCIAL PERIOD-MIGRATION

### 4.2.1 Impact of Provincial Current Migration

Table 4.1 presents the consequences of provincial current migration as of 1998 and 2008. Among four types of current migration, net migration and gross migration are hypothetical movement. The former means a balance between in-migration and out-migration, while the latter means a turnover between them. Accordingly, net migration indicates a sort of impact on population growth by in-migration and out-migration. Among 24 provinces, Phnom Penh gained the most positive impact of 47,565 persons in net migration which was predominantly large compared with other provinces. On the contrary, Kampong Cham was given the most negative impacts of 24,750 persons. 14 provinces gained while 10 provinces lost in terms of number of population by migration during last one year in 2008.

Table 4.1 Number of Current Migrants and Population : 2008 and 1998, Province

|                   | 2008       |              |               |               |                 | 1998       |              |               |               |                 |
|-------------------|------------|--------------|---------------|---------------|-----------------|------------|--------------|---------------|---------------|-----------------|
|                   | Population | In-migration | Out-migration | Net migration | Gross migration | Population | In-migration | Out-migration | Net migration | Gross migration |
| <b>Both sexes</b> | 13,395,682 | 174,645      | 174,645       | 0             | 349,290         | 11,437,656 | 169,628      | 169,628       | 0             | 339,256         |
| Banteay Meanchey  | 677,872    | 7,130        | 5,941         | 1,189         | 13,071          | 577,772    | 12,541       | 5,364         | 7,177         | 17,905          |
| Battambang        | 1,025,174  | 13,167       | 10,482        | 2,685         | 23,649          | 793,129    | 9,923        | 12,702        | -2,779        | 22,625          |
| Kampong Cham      | 1,679,992  | 7,038        | 31,788        | -24,750       | 38,826          | 1,608,914  | 7,829        | 25,818        | -17,989       | 33,647          |
| Kampong Chhnang   | 472,341    | 2,235        | 5,095         | -2,860        | 7,330           | 417,693    | 7,636        | 3,862         | 3,774         | 11,498          |
| Kampong Speu      | 716,944    | 3,948        | 7,040         | -3,092        | 10,988          | 598,882    | 3,840        | 10,058        | -6,218        | 13,898          |
| Kampong Thom      | 631,409    | 3,942        | 8,584         | -4,642        | 12,526          | 569,060    | 3,021        | 7,178         | -4,157        | 10,199          |
| Kampot            | 585,850    | 2,786        | 10,393        | -7,607        | 13,179          | 528,405    | 3,012        | 8,426         | -5,414        | 11,438          |
| Kandal            | 1,265,280  | 12,221       | 17,579        | -5,358        | 29,800          | 1,075,125  | 15,028       | 18,942        | -3,914        | 33,970          |
| Koh Kong          | 117,481    | 3,644        | 1,736         | 1,908         | 5,380           | 132,106    | 9,071        | 1,723         | 7,348         | 10,794          |
| Kratie            | 319,217    | 5,925        | 3,807         | 2,118         | 9,732           | 263,175    | 4,132        | 2,353         | 1,779         | 6,485           |
| Mondul Kiri       | 61,107     | 2,991        | 253           | 2,738         | 3,244           | 32,407     | 1,073        | 289           | 784           | 1,362           |
| Phnom Penh        | 1,327,615  | 58,902       | 11,337        | 47,565        | 70,239          | 999,804    | 56,877       | 13,076        | 43,801        | 69,953          |
| Preah Vihear      | 171,139    | 3,185        | 842           | 2,343         | 4,027           | 119,261    | 1,686        | 606           | 1,080         | 2,292           |
| Prey Veng         | 947,372    | 2,491        | 18,222        | -15,731       | 20,713          | 946,042    | 4,992        | 20,437        | -15,445       | 25,429          |
| Pursat            | 397,161    | 2,470        | 5,422         | -2,952        | 7,892           | 360,445    | 2,525        | 4,902         | -2,377        | 7,427           |
| Ratnak Kiri       | 150,466    | 3,851        | 569           | 3,282         | 4,420           | 94,243     | 970          | 367           | 603           | 1,337           |
| Siemreap          | 896,443    | 10,360       | 6,446         | 3,914         | 16,806          | 696,164    | 4,022        | 5,909         | -1,887        | 9,931           |
| Sihanouk-ville    | 221,396    | 6,197        | 2,480         | 3,717         | 8,677           | 155,690    | 7,281        | 2,650         | 4,631         | 9,931           |
| Stung Treng       | 111,671    | 2,070        | 510           | 1,560         | 2,580           | 81,074     | 1,113        | 560           | 553           | 1,673           |
| Svay Rieng        | 482,788    | 2,066        | 8,176         | -6,110        | 10,242          | 478,252    | 1,932        | 8,506         | -6,574        | 10,438          |
| Takeo             | 844,906    | 3,051        | 15,507        | -12,456       | 18,558          | 790,168    | 5,045        | 14,212        | -9,167        | 19,257          |
| Oddar Meanchey    | 185,819    | 9,488        | 1,129         | 8,359         | 10,617          | 68,279     | 1,605        | 1,138         | 467           | 2,743           |
| Kep               | 35,753     | 495          | 242           | 253           | 737             | 28,660     | 471          | 200           | 271           | 671             |
| Pailin            | 70,486     | 4,992        | 1,016         | 3,976         | 6,008           | 22,906     | 4,003        | 348           | 3,655         | 4,351           |

Table 4.2 showed relative impact on population measured by current migration rates. In 2008, Oddar Meanchey, Moduri Kiri and Phnom Penh presented strong impact on population among 24 provinces. On the other hand, 10 provinces received negative impact.

Table 4.2 Current Migration Rates: 1998 and 2008, Province

| Province         | 2008         |               |               |                 | 1998         |               |               |                 |
|------------------|--------------|---------------|---------------|-----------------|--------------|---------------|---------------|-----------------|
|                  | In-migration | Out-migration | Net migration | Gross migration | In-migration | Out-migration | Net migration | Gross migration |
| <b>CAMBODIA</b>  | 1.30         | 1.30          | 0.00          | 2.61            | 1.48         | 5.94          | -4.46         | 7.42            |
| Banteay Meanchey | 1.05         | 0.88          | 0.18          | 1.93            | 2.17         | 3.74          | -1.57         | 5.91            |
| Battambang       | 1.28         | 1.02          | 0.26          | 2.31            | 1.25         | 5.10          | -3.85         | 6.35            |
| Kampong Cham     | 0.42         | 1.89          | -1.47         | 2.31            | 0.49         | 8.13          | -7.64         | 8.61            |
| Kampong Chhnang  | 0.47         | 1.08          | -0.61         | 1.55            | 1.83         | 4.40          | -2.57         | 6.23            |
| Kampong Speu     | 0.55         | 0.98          | -0.43         | 1.53            | 0.64         | 5.00          | -4.36         | 5.64            |
| Kampong Thom     | 0.62         | 1.36          | -0.74         | 1.98            | 0.53         | 5.93          | -5.40         | 6.46            |
| Kampot           | 0.48         | 1.77          | -1.30         | 2.25            | 0.57         | 7.32          | -6.75         | 7.89            |
| Kandal           | 0.97         | 1.39          | -0.42         | 2.36            | 1.40         | 6.30          | -4.90         | 7.69            |
| Koh Kong         | 3.10         | 1.48          | 1.62          | 4.58            | 6.87         | 4.47          | 2.40          | 11.33           |
| Kratie           | 1.86         | 1.19          | 0.66          | 3.05            | 1.57         | 5.64          | -4.06         | 7.21            |
| Mondul Kiri      | 4.89         | 0.41          | 4.48          | 5.31            | 3.31         | 2.13          | 1.18          | 5.44            |
| Phnom Penh       | 4.44         | 0.85          | 3.58          | 5.29            | 5.69         | 3.69          | 2.00          | 9.38            |
| Preah Vihear     | 1.86         | 0.49          | 1.37          | 2.35            | 1.41         | 1.95          | -0.54         | 3.36            |
| Prey Veng        | 0.26         | 1.92          | -1.66         | 2.19            | 0.53         | 8.15          | -7.62         | 8.67            |
| Pursat           | 0.62         | 1.37          | -0.74         | 1.99            | 0.70         | 6.24          | -5.54         | 6.94            |
| Ratnak Kiri      | 2.56         | 0.38          | 2.18          | 2.94            | 1.03         | 1.34          | -0.31         | 2.37            |
| Siemreap         | 1.16         | 0.72          | 0.44          | 1.87            | 0.58         | 3.04          | -2.47         | 3.62            |
| Sihanouk-ville   | 2.80         | 1.12          | 1.68          | 3.92            | 4.68         | 5.56          | -0.88         | 10.24           |
| Stung Treng      | 1.85         | 0.46          | 1.40          | 2.31            | 1.37         | 2.09          | -0.71         | 3.46            |
| Svay Rieng       | 0.43         | 1.69          | -1.27         | 2.12            | 0.40         | 7.19          | -6.79         | 7.60            |
| Takeo            | 0.36         | 1.84          | -1.47         | 2.20            | 0.64         | 8.12          | -7.48         | 8.76            |
| Oddar Meanchey   | 5.11         | 0.61          | 4.50          | 5.71            | 2.35         | 4.09          | -1.74         | 6.45            |
| Kep              | 1.38         | 0.68          | 0.71          | 2.06            | 1.64         | 2.85          | -1.21         | 4.50            |
| Pailin           | 7.08         | 1.44          | 5.64          | 8.52            | 17.48        | 12.54         | 4.93          | 30.02           |

#### 4.2.2 Impact of Provincial Recent Migration

Among 24 provinces, Phnom Penh gained the most positive impact of 214,306 persons in net migration which was predominantly large compared with other provinces. On the contrary, Kampong Cham was given the most negative impacts of 109,159 persons. 14 provinces gained while 10 provinces lost in terms of number of population by migration during last five years in 2008. (Table 4.3)

Table 4.3 Number of Recent Migrants and Population : 2008 and 1998, Province

|                   | 2008       |              |               |               |                 | 1998       |              |               |               |                 |
|-------------------|------------|--------------|---------------|---------------|-----------------|------------|--------------|---------------|---------------|-----------------|
|                   | Population | In-migration | Out-migration | Net migration | Gross migration | Population | In-migration | Out-migration | Net migration | Gross migration |
| <b>Both sexes</b> | 13,395,682 | 679,415      | 679,415       | 0             | 1,358,830       | 11,437,656 | 491,580      | 491,580       | 0             | 983,160         |
| Banteay Meanchey  | 677,872    | 36,079       | 21,605        | 14,474        | 57,684          | 577,772    | 41,827       | 16,808        | 25,019        | 58,635          |
| Battambang        | 1,025,174  | 58,440       | 40,436        | 18,004        | 98,876          | 793,129    | 28,441       | 41,729        | -13,288       | 70,170          |
| Kampong Cham      | 1,679,992  | 21,596       | 130,755       | -109,159      | 152,351         | 1,608,914  | 27,944       | 72,583        | -44,639       | 100,527         |
| Kampong Chhnang   | 472,341    | 6,817        | 18,381        | -11,564       | 25,198          | 417,693    | 16,458       | 10,370        | 6,088         | 26,828          |
| Kampong Speu      | 716,944    | 14,111       | 29,958        | -15,847       | 44,069          | 598,882    | 15,347       | 22,741        | -7,394        | 38,088          |
| Kampong Thom      | 631,409    | 11,744       | 33,765        | -22,021       | 45,509          | 569,060    | 7,551        | 21,702        | -14,151       | 29,253          |
| Kampot            | 585,850    | 9,053        | 38,689        | -29,636       | 47,742          | 528,405    | 7,581        | 29,794        | -22,213       | 37,375          |
| Kandal            | 1,265,280  | 52,444       | 67,695        | -15,251       | 120,139         | 1,075,125  | 42,155       | 55,162        | -13,007       | 97,317          |
| Koh Kong          | 117,481    | 13,231       | 5,903         | 7,328         | 19,134          | 132,106    | 31,708       | 4,982         | 26,726        | 36,690          |
| Kratie            | 319,217    | 17,666       | 14,830        | 2,836         | 32,496          | 263,175    | 11,729       | 7,490         | 4,239         | 19,219          |
| Mondul Kiri       | 61,107     | 9,130        | 690           | 8,440         | 9,820           | 32,407     | 2,454        | 829           | 1,625         | 3,283           |
| Phnom Penh        | 1,327,615  | 251,174      | 36,868        | 214,306       | 288,042         | 999,804    | 156,494      | 37,322        | 119,172       | 193,816         |
| Preah Vihear      | 171,139    | 9,535        | 2,325         | 7,210         | 11,860          | 119,261    | 4,319        | 1,912         | 2,407         | 6,231           |
| Prey Veng         | 947,372    | 6,713        | 77,070        | -70,357       | 83,783          | 946,042    | 9,881        | 56,583        | -46,702       | 66,464          |
| Pursat            | 397,161    | 9,972        | 22,480        | -12,508       | 32,452          | 360,445    | 9,966        | 15,402        | -5,436        | 25,368          |
| Ratnak Kiri       | 150,466    | 12,875       | 1,259         | 11,616        | 14,134          | 94,243     | 4,738        | 872           | 3,866         | 5,610           |
| Siemreap          | 896,443    | 39,784       | 21,183        | 18,601        | 60,967          | 696,164    | 12,645       | 17,974        | -5,329        | 30,619          |
| Sihanouk-ville    | 221,396    | 21,841       | 8,655         | 13,186        | 30,496          | 155,690    | 22,636       | 7,462         | 15,174        | 30,098          |
| Stung Treng       | 111,671    | 5,388        | 1,691         | 3,697         | 7,079           | 81,074     | 3,570        | 1,640         | 1,930         | 5,210           |
| Svay Rieng        | 482,788    | 6,179        | 34,406        | -28,227       | 40,585          | 478,252    | 5,702        | 21,746        | -16,044       | 27,448          |
| Takeo             | 844,906    | 8,790        | 64,187        | -55,397       | 72,977          | 790,168    | 11,316       | 41,028        | -29,712       | 52,344          |
| Oddar Meanchey    | 185,819    | 35,201       | 2,796         | 32,405        | 37,997          | 68,279     | 5,917        | 4,262         | 1,655         | 10,179          |
| Kep               | 35,753     | 1,974        | 818           | 1,156         | 2,792           | 28,660     | 3,221        | 462           | 2,759         | 3,683           |
| Pailin            | 70,486     | 19,678       | 2,873         | 16,805        | 22,551          | 22,906     | 7,980        | 723           | 7,257         | 8,703           |

Table 4.4 showed relative impact on population measured by recent migration rates. In 2008, Kampong Cham and Oddar Meanchey presented stronger impact on population among 24 provinces. On the other hand, 10 provinces received negative impact.

Map 2 to Map 5 depicts recent in-migration, out-migration, net migration and gross migration rates by province. Comparing Map 2 and Map3, sharp contrast, that is, the positive dominance in Phnom Penh and provinces located at remote outer fringe against the negative dominance in other provinces, in the pattern of impacts measured by migration rates can be recognized. Also, Map 4 and Map 5 present net effect and degree of turnover of migratory flows respectively.

Table 4.4 Recent Migration Rates: 1998 and 2008, Province

| Province         | 2008         |               |               |                 | 1998         |               |               |                 |
|------------------|--------------|---------------|---------------|-----------------|--------------|---------------|---------------|-----------------|
|                  | In-migration | Out-migration | Net migration | Gross migration | In-migration | Out-migration | Net migration | Gross migration |
| <b>CAMBODIA</b>  | 5.07         | 5.07          | 0.00          | 10.14           | 4.30         | 4.30          | 0.00          | 8.60            |
| Banteay Meanchey | 5.32         | 3.19          | 2.14          | 8.51            | 7.24         | 2.91          | 4.33          | 10.15           |
| Battambang       | 5.70         | 3.94          | 1.76          | 9.64            | 3.59         | 5.26          | -1.68         | 8.85            |
| Kampong Cham     | 1.29         | 7.78          | -6.50         | 9.07            | 1.74         | 4.51          | -2.77         | 6.25            |
| Kampong Chhnang  | 1.44         | 3.89          | -2.45         | 5.33            | 3.94         | 2.48          | 1.46          | 6.42            |
| Kampong Speu     | 1.97         | 4.18          | -2.21         | 6.15            | 2.56         | 3.80          | -1.23         | 6.36            |
| Kampong Thom     | 1.86         | 5.35          | -3.49         | 7.21            | 1.33         | 3.81          | -2.49         | 5.14            |
| Kampot           | 1.55         | 6.60          | -5.06         | 8.15            | 1.43         | 5.64          | -4.20         | 7.07            |
| Kandal           | 4.14         | 5.35          | -1.21         | 9.50            | 3.92         | 5.13          | -1.21         | 9.05            |
| Koh Kong         | 11.26        | 5.02          | 6.24          | 16.29           | 24.00        | 3.77          | 20.23         | 27.77           |
| Kratie           | 5.53         | 4.65          | 0.89          | 10.18           | 4.46         | 2.85          | 1.61          | 7.30            |
| Mondul Kiri      | 14.94        | 1.13          | 13.81         | 16.07           | 7.57         | 2.56          | 5.01          | 10.13           |
| Phnom Penh       | 18.92        | 2.78          | 16.14         | 21.70           | 15.65        | 3.73          | 11.92         | 19.39           |
| Preah Vihear     | 5.57         | 1.36          | 4.21          | 6.93            | 3.62         | 1.60          | 2.02          | 5.22            |
| Prey Veng        | 0.71         | 8.14          | -7.43         | 8.84            | 1.04         | 5.98          | -4.94         | 7.03            |
| Pursat           | 2.51         | 5.66          | -3.15         | 8.17            | 2.76         | 4.27          | -1.51         | 7.04            |
| Ratnak Kiri      | 8.56         | 0.84          | 7.72          | 9.39            | 5.03         | 0.93          | 4.10          | 5.95            |
| Siemreap         | 4.44         | 2.36          | 2.07          | 6.80            | 1.82         | 2.58          | -0.77         | 4.40            |
| Sihanouk-ville   | 9.87         | 3.91          | 5.96          | 13.77           | 14.54        | 4.79          | 9.75          | 19.33           |
| Stung Treng      | 4.82         | 1.51          | 3.31          | 6.34            | 4.40         | 2.02          | 2.38          | 6.43            |
| Svay Rieng       | 1.28         | 7.13          | -5.85         | 8.41            | 1.19         | 4.55          | -3.35         | 5.74            |
| Takeo            | 1.04         | 7.60          | -6.56         | 8.64            | 1.43         | 5.19          | -3.76         | 6.62            |
| Oddar Meanchey   | 18.94        | 1.50          | 17.44         | 20.45           | 8.67         | 6.24          | 2.42          | 14.91           |
| Kep              | 5.52         | 2.29          | 3.23          | 7.81            | 11.24        | 1.61          | 9.63          | 12.85           |
| Pailin           | 27.92        | 4.08          | 23.84         | 31.99           | 34.84        | 3.16          | 31.68         | 37.99           |

### 4.3 PREFERENCE OF PERIOD-MIGRATION BETWEEN PROVINCES

#### 4.3.1 Preference of Current Migratory Flows between Provinces

As observed in the previous sections of this chapter, volumes and mobility of migratory flows between provinces are not even among 24 provinces. It is found that a certain province collects inflows from almost all provinces, while other province sends out-migrants and receives in-migrants to a specific province only. It can be said there is “migration preference” between provinces. In this regards, “**migration preference index**” can be used as a tool of measuring migration preference as shown below.