Poverty risk among older immigrants in a scandinavian welfare state

Vibeke Jakobsen
VIVE – The Danish Centre of Applied Social Science, Denmark

Peder J. Pedersen
VIVE – The Danish Centre of Applied Social Science, Aarhus University and IZA Bonn, Aarhus, Denmark

Abstract
The focus of this paper is on poverty among immigrants and refugees aged 60 years and older coming to Denmark from countries outside of the OECD, with an emphasis on immigrants who came as guest workers before 1974, as refugees and as family members and marriage partners (tied movers) of the individuals coming as guest workers and as refugees. A large proportion of people in this group were fairly young at the time of their arrival in Denmark. Guest workers who came before 1974 and refugees and tied movers who arrived in the 1970s and 1980s are now either close to or above the age of 60, with conditional eligibility to a labour market-related early retirement programme or to the State pension. Poverty rates by national background are described using alternative household concepts. A number of background factors with relevance for poverty are summarised. We focus on age, gender, marital status, occupational status at age 55, and duration of residence, and find major differences between migrant groups and between immigrants and natives regarding how income is dependent at different ages on market income, pensions and benefits. We also present a number of regressions aiming at explaining differences in the risk of poverty risk in terms of these background factors.

Keywords
Immigrants; pension entitlement; old-age poverty; family structure
Introduction and motivation

In the Nordic countries, ambitious welfare programmes go back several decades. One remarkable consequence has been that old age is no longer associated with a high risk of poverty. This is a result of creating a first pillar of the pension system with nearly universal eligibility which effectively keeps people aged 65 years and older above the poverty line. The main question raised in the present study is whether people arriving in recent decades as immigrants from low-income countries are at risk of poverty as they become older - more precisely, when they reach 60-74 years of age. We analysed this question in two stages. First, we undertook a descriptive approach by looking at the actual poverty rates among specific immigrant groups. Then, we analysed how the poverty risk among older immigrants correlated with a number of background factors. A further approach relative to our main question involved comparing poverty rates using the conventional family or household definition and poverty rates using an extended family concept defined as the number of people sharing the same dwelling.

Immigrants are a heterogeneous group that includes labour migrants, refugees and tied movers from many different countries. Immigrants from low-income countries with different backgrounds have arrived to Denmark in different waves. One group arrived before the guest worker recruitment stopped in 1973. They were followed by waves of other family members in subsequent years. Other major groups of arrivals were people coming as refugees, with countries and regions of origin shifting with the outbreak of conflicts in different places. The number of refugees arriving to Denmark increased significantly in the 1980s, but Denmark also received refugees earlier, e.g. from Vietnam in the 1970s. Here, too, initial groups arriving as refugees were followed by tied movers as families were reunited.

In the analyses in this study, we include native Danes and immigrants from four countries: Turkey, Iran, Pakistan, and Vietnam. The countries of origin have been selected partly to ensure a sufficient number of individuals for the analyses below and partly to represent typical immigrant groups by time of arrival and background. Immigrants from Turkey and Pakistan were chosen as representing the typical pre-1973 guest worker countries. Immigrants from Iran and Vietnam were chosen as representing refugee countries with people arriving at different times. Refugees from Vietnam had a significantly longer duration of residence than those coming from Iran.

Many immigrants and refugees from low-income countries were quite young when they arrived in Denmark. Consequently, the age distribution of this group differs significantly from the distribution for the native population. To get an idea of the magnitude of the upcoming challenge in the area, Table 1 summarises the most recent data of the distribution using five relevant age intervals for native Danes and for immigrants from Turkey, Iran, Pakistan and Vietnam, and from all non-Western countries. It is clear from Table 1 that the challenge regarding income in old age is increasing in this area as the age gradient for this group is much steeper than it is for the native population. Rather few immigrants are older than 60, but in the coming years and decades the number of immigrants from low-income countries aged 60 and older will increase steeply in both absolute and relative terms. The focus below is on income and poverty for immigrants aged 60-74 from Turkey, Iran, Pakistan, and Vietnam in 2011 compared with the native population.

1. Table A1 (see Appendix) presents the data by gender for 2011, the most recent year for which we have the full data set for the analyses below.
2. About 30% of the 60-74-year-old non-Western immigrants are from one of these four countries (see Table 1). We apply Statistics Denmark’s classification to define non-Western countries (Statistics Denmark 2015). Western countries are
Individuals coming to the country as immigrants are expected to be at a higher risk of poverty in old age due to less than full tenure in the labour market and/or too short a duration of residence to be eligible for the full amount of disability or State pension. This poverty risk is the main topic in the analyses below. The second section contains an overview of the relevant social security programmes with an emphasis on the special rules that apply to immigrants and refugees, while the third section contains a brief survey of the fairly few studies that have been undertaken in this area. The fourth section describes the data, the procedures for calculating alternative poverty rates and the approach in our analyses. Next, the fifth section describes individual background factors that we expected to be relevant for the level of poverty in different population groups. The sixth section describes the poverty rates and the major differences in the composition of income by age and ethnic group. The seventh section presents the results from a number of estimates using the contributory factors to explain the level of individual poverty risk while the eighth section concludes the paper.

**Social security programmes: options for people coming from abroad**

Less than full labour market integration implies that immigrants typically accumulate less in employment-related pension programmes. We would therefore expect income from non-employment related social security programmes to be more important in relative terms for older immigrants than for natives in the same age group. In relation to retirement programmes, immigrants are eligible for the different programmes on the same conditions as the native population. The main current programmes are a labour market-related early retirement programme, PEW (Efterløn); disability insurance (Førtidspension); and retirement or State pension (Folkepension).

Eligibility for the PEW programme is an option for individuals aged 60-64 without any medical eligibility criteria, but is conditional on a fairly long tenure in unemployment insurance. Disability insurance is an option for individuals aged between 18 and 64 with eligibility on medical and

---

**Table 1.** Number of native Danes and immigrants from non-Western countries by age group, 1 January 2016.

| Age  | 50-54  | 55-59  | 60-64  | 65-69  | 70-74  |
|------|--------|--------|--------|--------|--------|
| Native Danes | 363,957 | 327,525 | 313,198 | 325,534 | 278,653 |
| Immigrants: |        |        |        |        |        |
| Turkey | 4,044  | 2,514  | 1,661  | 1,238  | 901    |
| Iran   | 2,176  | 2,016  | 848    | 372    | 262    |
| Pakistan | 1,003  | 858    | 877    | 807    | 503    |
| Vietnam | 1,107  | 917    | 547    | 291    | 157    |
| Non-Western countries (total) | 28,042 | 20,092 | 13,019 | 8,875  | 5,523  |
| Percentage of immigrants from Non-Western countries originating in Turkey, Iran, Pakistan or Vietnam | 29.7 | 31.4 | 30.2 | 30.5 | 33.0 |

**Source:** Statistics Denmark (2016).

defined as all EU countries, Norway, Iceland, USA, Canada, Australia, New Zealand, Andorra, Liechtenstein, Monaco, San Marino, Switzerland, and the Vatican State. Non-Western countries are defined as all other countries.
mixed social and medical grounds. Finally, everybody is in principle eligible for a State pension (Folkepension) at the age of 65.

Full eligibility for the State pension is, in principle, conditional on a minimum of 40 years of residence in Denmark between the ages of 15 and 64. Pensioners with less than 40 years of residence receive a pro-rata proportion of the pension. Thus, 31 years of Danish residency gives the pensioner access to 31/40ths of a full State pension. In addition, eligibility for a proportion of a State Pension is conditional on having spent a minimum of three years in the country. Eligibility for disability insurance is also conditional on a number of years of residence. Recipients of disability insurance who have lived in Denmark less than 4/5ths of the time between the age 15 and reaching the retirement date receive only a proportion of the full disability pension. Citizenship is also required in order to be eligible for a State pension or for disability insurance unless more than 10 years have been spent in the country between the age 15 and the pension age. For the period analysed here, refugees were exempted from the requirements regarding years of residence in Denmark.3

Thus, as far as the PEW programme, State pension and disability insurance are concerned, it is possible that immigrants may not have a sufficiently long labour market experience to qualify for PEW, or that their period of residence is shorter than required to meet the criteria for disability insurance or State pension. Consequently, there is a higher than expected poverty risk for immigrants and refugees, especially for those aged 60 and over, than for native Danes.

In addition to the social security programmes mentioned above, income after retirement is also affected by the ATP programme – a fairly small, lifelong contribution to income after retirement – which is dependent on labour market experience. Retired immigrants may also receive income from labour market pensions, which are dependent on labour market experience, occupation and employment sector.

Earlier studies

The number of older immigrants from non-Western countries will increase steeply in the coming years. In spite of this, very few studies have been concerned with their prospects regarding income in retirement. General poverty studies have been carried out by Blume et al. (2007), Deding et al. (2010), Pedersen (2011), and Galloway et al. (2015). The general findings of these studies, using data from Scandinavian welfare states, is that there are high poverty rates for immigrants coming from outside the OECD area. The emphasis in these studies is, however, either on the whole group of immigrants or on immigrant children, but not on older immigrants and refugees.

In Sweden, as in Denmark and Norway, the amount of State pension depends on the number of years spent in the country between ages of 16 and 64. Forty or more years of residence qualifies an individual for a full State pension. If the number of years of residence is below 40, the result is, in principle, a corresponding reduction in State pension. Income in retirement depends on the immigrant’s labour market tenure. This factor is dependent on the year of arrival in Sweden. Ekberg and Lindh (2011), and Ekberg (2015) present relative incomes from social security old-age pension for immigrants arriving before 1970. Immigration during this period was mainly work-related and the labour market careers of this group of early migrants were about the same as for comparable

3. The legislation was amended in 2011 to ensure that the rules regarding fractional pensions (after a transition period) are also applied for refugees.
natives. Consequently, the two groups had about the same amount of social security old-age pension. Flood and Mitrut (2010), and Flood (2014) focused on relative income in retirement for immigrants to Sweden from countries outside the OECD area. The income ratios relative to natives depended very much on birth cohorts and on whether the focus was on social security old-age pension alone or on all income in retirement. For instance, for immigrant men from the 1940-44 cohorts at age 70, Flood and Mitrut (2010) found a relative income ratio of 0.31 by looking only at social security old-age pension and a relative income ratio of 0.58 when all pension incomes are included. Gustafsson et al. (2016) work with register data covering the population of Sweden aged 65 years and older as divided into four groups, natives, and immigrants from high-, middle- and low-income countries. For 2007, they report results for the proportions living below 60% of the median, equivalence scale adjusted income for the entire population combined with an asset criterion of household wealth being below SEK 10,000. The proportion of people who fall below both the income and the asset criterion are 0.8, 3.6, 14.3 and 32.8%, respectively, for the four groups. When Gustafsson et al. (2016) apply the income poverty criterion alone, the group differences are much less dramatic, i.e. 10.2, 15.7, 24.0 and 44.1%, respectively. Statistics Sweden (2012) compares summary ratios for the year 2010 for net monthly incomes for men and women, those born abroad and those born in Sweden. For the 68-70 age group the ratio is 0.79 for men and 0.89 for women. More detailed evidence linking relative income and poverty with immigrant status and including country of origin and years since migration is, however, not available from Statistics Sweden (2012).

For Norway, income ratios and poverty rates are available by country of origin and separately for those arriving as immigrants and as refugees. Using the EU poverty line criterion of 60% of the median of the equivalence scale adjusted income, Epland (2013) reports a poverty rate of 31% for all immigrants and descendants in 2011. For immigrants coming from Eastern Europe, Asia, Africa, and Latin America the poverty rate was 35%. Finally, Epland (2013) reports a poverty rate of 43% for those arriving in Norway as refugees in 2011. Data by age are not published. Epland (2013) also reports long-term poverty rates for immigrants and refugees using the EU criterion separately by the number of years of residence in Norway. For those having spent 10 or more years in Norway, there are still very big differences, ranging from 9.1% for immigrants from the Philippines to 55.9% for immigrants from Somalia, with an average of 22.9% for the non-OECD group of countries of origin.

We emphasise that, regarding the findings using Danish data reported below, we have, so far, been unable to find benchmark information for other countries, including age as well as years of residence and country of origin.

Data and methods

Data

In the description and analysis reported in the sections below, we use longitudinal administrative register data from Statistics Denmark. Our data include information on the total population of individuals who, in 2011, were 50 years old or more over the period 1980-2011. For these individuals, we have information about their spouses, live-in partners, children and the persons who were living in the same household. The data set was constructed by merging information from several databases maintained by Statistics Denmark. We have detailed information on many individual characteristics such as age, gender, year of immigration, year of emigration, country
of origin, citizenship, marital status, income and labour market status. Furthermore, the data set makes it possible to identify individuals’ children, and eventual partners. We are, therefore, able to combine the information on a given individual with information on members of his or her family (if they were living in Denmark).

In the analyses for 2011, we include native Danes and immigrants from four countries: Turkey, Iran, Pakistan and Vietnam (see Table A1 in the Appendix). We base the definition of immigrants and native Danes on Statistics Denmark’s classification of the population into three groups: immigrants, descendants of immigrants, and native Danes (Poulsen and Lange 1998). Immigrants are defined as foreign-born individuals with foreign-born parents or parents with foreign citizenship. Descendants of immigrants are defined as individuals born in Denmark to foreign-born parents or parents with foreign citizenship. Native Danes are defined as individuals born in Denmark and having at least one parent who is not only a Danish citizen but was also born in Denmark.

Calculation of poverty rates

Based on the register data a poverty line is defined here as 50% of the median in the distribution of equivalence scale adjusted disposable income. We use the OECD-modified equivalence scale to adjust household incomes to an individual specific level assigning the weight 1 to the first adult in the household, 0.5 to a second adult and to each child older than 14, and 0.3 to each child who is 14 years old or younger (Atkinson et al. 1995). Many recent studies prefer using 60% of the median which of course would push the poverty rates reported below upwards. We have chosen 50% to be in accordance with recommendations from a recent Danish expert committee (Andersen et al. 2013), arguing that the distribution of disposable incomes in Denmark is so relatively compressed that the use of a 60% cut-off point would result in moving many people below the poverty line who would not be considered as poor in the usual understanding of the word.

While few native Danes do live in extended families, this type of family structure is more widespread in some immigrant groups (see, e.g., Liversage and Jakobsen 2016). Sharing expenses in extended families may increase the family member’s spending power and reduce the risk of poverty, depending on the nature of the sharing that occurs in the extended household. Therefore, we use two definitions of families in the calculation of poverty rates: a conventional family concept (a nuclear family) and a broader household concept (an extended family). To define a nuclear family, we use the Statistics Denmark family concept (Statistics Denmark 2013). Here, adult individuals are categorised as belonging to one of two main types of families: (1) singles or (2) couples (either married or cohabitating). Children younger than 25 years old living at home are included in their parent’s family unless they are married, cohabiting, or have children of their own. If an elderly couple is living together with their son aged 25 or older, the couple is defined as a family, and the son is defined as a family of his own, regardless of the fact that they are able to proportion expenses in the same manner as a couple living together with their 20-year-old son. An extended family or a household is defined as people sharing the same dwelling. Here we assume that families sharing a dwelling also are sharing expenses in an egalitarian way. The analyses will

4. It is well known that this equivalence scale implicitly assumes quite high economies of scale for large families. However, in a comprehensive discussion deVos and Zaidi (1997) conclude that the modified OECD scale as a pragmatic choice seems to be a reasonable compromise.
reveal the extent to which immigrant families reduce the risk of poverty (intended or unintended) by living in extended families.

The data do not reveal whether co-residence in an extended family is a function of economic necessity or whether it reflects cultural values, especially in some immigrant groups. Recent studies analysing this question are mainly based on US data and show that economic, cultural and health factors all have an impact on co-residence. Pew Research Centre (2016) reports that 60.6 million Americans were living in multigenerational households in 2014. There has been a more pronounced increase in the number after the financial crisis. The increase has occurred both among immigrants and natives, but with the highest level in the immigrant group. Elliott et al. (2011) also report that co-residence increased over the years 2006-2010, especially in response to unemployment. Dunifon et al. (2014) and Pfeiffer et al. (2016) both report that economic factors have an impact on the prevalence of co-residence. Gonzales (2007) studied co-residence with Mexican parents aged 65 and older in the USA and found that cultural values were more important than economic factors. Gurak and Kritz (2010) found large differences in co-residence between 11 immigrant groups with income being a less important factor. Smits et al. (2010) studied 30-40 year olds living with their parents and found that ‘need of support’ was a significant motive for co-residence. Prickett and Angel (2017) have analysed a panel of older, single immigrants and found that age at immigration and health were strong predictors of co-residence. Finally, Isengard and Szydlik (2012) analysed SHARE data on European countries and found co-residence to be a reaction to economic uncertainty.

For Denmark, as shown below, we fund a much higher prevalence of co-residence in some immigrant groups than among natives, but whether this reflects economic necessity or cultural values are questions beyond the present study. In addition, some of the extended households could be groups of people of about the same age living together. However, we do not expect this to be important for immigrant groups. A new study of immigrants from Turkey living in Denmark shows that nearly all the 65-74-year-old immigrants from Turkey who live in extended households are living together with a grown-up son or daughter and perhaps with the son/daughter’s spouse and children (Liversage and Jakobsen 2016).

Regression analyses

In the last part of the paper, we analyse how the poverty risk among older immigrants correlates with a number of background factors using linear probability models. The background factors are gender, age, family status, duration of residence and labour market status at age 55. The three last background factors are described in the fourth section of this paper. The distribution of age and gender can be found in Table A1 in the Appendix. We estimate two models: one where the calculation of the poverty rate is based on the nuclear family, and one where the calculation of the poverty rate is based on the extended family concept.

Background factors

This section contains a brief description of background factors expected to be of relevance for the risk of poverty: family type, duration of residence in Denmark, and labour market history in Denmark.

5. We have also estimated the models using a probit model. The estimation results are, however, very similar.
Figures 1a and 1b show the distribution of type of nuclear family for the two age groups: 60-64 and 65-74. The figures show whether the immigrants and natives Danes are living as couples or as a single individual (with or without children younger than 25 living at home). The Iranian immigrants stand out from the other groups by having a higher proportion who are single. Furthermore, women have a higher proportion who are single than men - especially among the 65-74 year olds.

The extent to which old immigrants are living in extended families is shown in Figures 2a and 2b. An extended family is defined as a household consisting of at least two nuclear families. Each of the four immigrant groups has a substantially higher proportion living in extended families than native Danes. The proportion living in extended family ranges from 20 to 50% among the 65-74 year-old immigrants – it is lowest among the Iranian immigrants and highest among the Pakistani immigrants. The corresponding proportion for native Danes is 5%.

A prior expectation was that integration into the labour market regarding jobs and earnings would increase with the number of years since entry to the host country. Years of residence in Denmark was expected to be a predictor of poverty in old age as income after reaching pension age depends both on former earnings and on the number of years since entry to the country, which impact the amount received in social security pensions, except for those arriving as refugees.

Table 2 shows the distribution on years of residence in Denmark for 60-64 and 65-74 year-old immigrants. Unfortunately, information on the year of entry is unknown for immigrants who arrived before 1980. Thus, we do not know the precise number of years of residence for people arriving 30 or more years ago. Table 2 shows that very high proportions of the immigrants from Turkey and Pakistan have stayed in Denmark for 30 years or more: 65-92% of the immigrants from Turkey, and 82-94% of the immigrants from Pakistan. The corresponding numbers are 5-18% for immigrants from Iran, and 28-54% for immigrants from Vietnam. Finally, it can be seen that 9-28% of the immigrants from Iran and Vietnam have stayed less than 20 years in Denmark. In general, women have stayed fewer years in Denmark than men.
Another potential predictor of poverty in older ages is the individual’s position relative to the labour market at age 55, i.e. 5 years before potential eligibility for PEW and 10 years before eligibility for State pension at age 65. The distribution by labour market status at age 55 is shown...
in Figures 3 and 4. Figure 3 contains a summary picture of labour market status for those aged 60-64 in 2011, when they were 55 years old during the period 2002-2006. Figure 4 contains a
summary of labour market status for those aged 65-74 in 2011, when they were 55 years old during the period 1992-2001. We distinguish among the following labour market statuses at age 55: employed, unemployed, receiving transitional benefits, receiving disability insurance, receiving other benefits, and others out of the labor force.

‘Transitional benefits’ was an early retirement programme for older, long-term unemployed individuals, who were members of an unemployment insurance fund. The programme covered the participants until age 60 when they were transferred to the PEW programme. It was introduced in 1992 – when Danish unemployment was very high – and entry into the programme was abolished in 1996. Initially, it was aimed at 55–59-year-olds. In 1994, it was extended to include long-term unemployed in the 50–54 year-old group. Thus, those who were 60-64 years old in 2011 could not have received ‘transitional benefits’ when they were 55, and the higher percentage in the ‘early retirement’ group in Figure 4 compared to Figure 3 can (at least partly) be explained by the existence of the ‘transitional benefit’ programme in the 1990s.

The category ‘other benefits’ includes social assistance (for those who are not registered as unemployed) and sickness benefits. The category ‘others outside the labor force’ consists of individuals who are neither employed nor receiving transfer payments, for example, housewives.

As shown in Figure 3, among those who were aged 60-64 in 2011, there was a very big difference between the employment rates at age 55 for natives and for immigrants. There are, however, also large differences between the immigrant groups. While around 85% of the native men were employed at age 55, around 60% of the men from Pakistan, 50% of the men from Vietnam and 40% of the men from Turkey and Iran were employed at age 55. The native-immigrant gap was even more pronounced for women as 80% of native women and between 15 and 30% of immigrant women were employed at age 55. Looking at the proportion in an early retirement programme (disability insurance) at age 55, the levels were around 20-35% for the four immigrant groups compared to around 10% among the native Danes. Furthermore, around 10-20% of the immigrant men, and 25-30% of the immigrant women, were in receipt of ‘other benefits’ at age 55.

Figure 4 shows that employment rates at age 55 were lower for those who were 65-74 years old in 2011 than for those who were 60-64 years old in 2011, especially for immigrants. Among those who were 65-74 years old in 2011, 70-85% of the native Danes, between 25-50% of the immigrant men, and around 10% of the immigrant women were employed at age 55. The proportions in an early retirement programme (disability insurance or the transitional benefit programme) at age 55 were around 10% for native Danes, around 50% for the immigrants from Turkey, between 25-35% for the men from Iran, Pakistan and Vietnam, and between 35-45% for the women from Iran, Pakistan and Vietnam. Note that transitional benefit seems to be more important for immigrants from Turkey and Pakistan, who typically came to Denmark as labour migrants, than for immigrants from Iran and Vietnam, who typically came to Denmark as refugees. Entry to the transitional benefit programme was dependent on membership of an unemployment insurance fund. The immigrants from Turkey and Pakistan who came before guest worker recruitment stopped in 1973 were employed in the first period in Denmark, and mostly joined an unemployment insurance fund (see Jakobsen and Liversage 2016). Finally, the proportion in the category ‘others outside the labour force’ is relatively high among immigrants – especially among women with 20 to 25% in this category.

Overall, the immigrants had much lower employment rates than the native Danes at age 55, and the native-immigrant employment gap was higher for women than for men. Furthermore, it is important to note that there are no systematic differences in the employment rates between the
immigrant groups, who primarily consist of labour migrants, and the immigrant groups, who primarily consist of refugees at age 55. For example, among the immigrant men, those from Pakistan had the highest employment rates and those from Turkey the lowest employment rates. Thus, even though the immigrants from Turkey and Pakistan originally came to Denmark as labour migrants in the late 1960s and the early 1970s, they experienced high levels of unemployment in the 1980s and 1990s. Structural changes in the Danish economy during the late 1970s and the 1980s resulted in the disappearance of many of the jobs filled by the guest workers. Furthermore, a large proportion of the women coming as tied movers never entered the labour market in stable jobs (Liversage and Jakobsen 2016).

The labour force indicator at age 55 clearly points to the fact that many immigrants from low-income countries would not be eligible for PEW during the first half of their 60s and that savings for ATP and labour market pensions are much lower than for native Danes.

After this brief survey of a number of factors with a potential impact on the risk of poverty in older age, we proceed in the next section to report the poverty rates, and in the sixth section to report the results from estimates of the risk of poverty for 60-74-year-old natives and immigrants using the two-family concepts described above.

**Poverty rates**

Figures 5a and 5b summarise the poverty rates for nuclear families. The poverty rates are shown by age and country of origin for people from the four selected immigrant countries and for natives. We see a significant gap between poverty rates for natives and for immigrants from the four countries, and for the immigrants a steep gradient in poverty rates relative to age. We also see some differences between countries, in particular for the oldest age group. For the 65-74-year-olds, immigrants from Pakistan and Turkey have the highest poverty rates, and immigrants from Vietnam, the lowest.

**Figure 5a. Poverty rates – nuclear family. Age group: 60-64. 5b. Poverty rates – nuclear family. Age group: 65-74.**

*Source: Own calculations on register data from Statistics Denmark.*
The corresponding poverty rates for extended families are shown in Figures 6a and 6b. Especially for the 65-74-year-old immigrants, poverty rates are much lower (11-13 percentage points lower) when the calculation is based on the extended family compared with the nuclear family. For example, for the 65-74-year-old immigrants from Turkey, the poverty rate is 29% when the calculation is based on the nuclear family, and only 16% when the calculation is based on the extended family. For the native Danes, the poverty rate is about 1%, irrespective of which family concept we use. Thus, it seems as if the oldest immigrants overcome some of the poverty problems by living in extended families, at least if sharing of resources occurs at a sufficiently high level.

Looking into poverty rates separately by gender, we find some big differences. It is evident from Figures 5b and 6b that big differences exist by gender in the age group 65-74. We find the largest gender gap for immigrants from Turkey, where Figure 5b shows a poverty rate of 45% for women and 17% for men. For natives, in contrast, the poverty rate is around 1% for both women and men.

The significant differences in poverty rates by gender for the 65-74-year-olds probably reflect large differences in the proportion of people living as single, differences in the duration of residence, and a weaker attachment to the labour market for women. In the fourth section of this paper, we examine how these factors affect the poverty risk. However, we first analyse the financial situation of the older immigrants in greater detail. Tables 3 and 4 show both the annual average income and the components of this income for the four groups of immigrants and the

---

7. Studies based on survey data have shown that educational level is typically lower in non-Western immigrant groups than among native Danes (see Mogensen and Matthiessen 2000), and education is another factor that may affect the risk of poverty. Unfortunately, for most of the older immigrants, the register data do not include information on their education. Nevertheless, we have calculated the poverty rate for 65-74-year-old low-skilled Danes, who have 7 years of schooling at most, and the poverty rates are only slightly higher for this group than for the total population of native Danes in the age group.
native Danes. The relative importance of the different sources of income will give some indication of why the poverty rates are higher for immigrants. For instance, the significant differences in labour market status in the mid-50s, which can be seen in Figures 3 and 4 above, are clearly reflected in the distribution of income sources shown in Tables 3 and 4.

For the 60-64-year-olds, we distinguish between five sources of income: market income, disability pensions, other pensions, PEW, and welfare benefits (see Table 3). For the 65-74-year-olds, we distinguish between four sources of income: market income, social security pensions, other pensions, and welfare benefits (see Table 4).

The average annual income is significantly lower for immigrants than for native Danes – the average income is especially low for immigrants from Turkey and Vietnam. The tables also

---

### Table 3. Proportion of income from market income, disability pensions, other pensions, PEW, welfare benefits, and mean income, persons aged 60-64, 2011 (% and DKK).

|        | Market | Disability pension | Other pensions | PEW | Welfare benefits | Total | Mean income |
|--------|--------|--------------------|----------------|-----|------------------|-------|-------------|
| **Men:** |        |                    |                |     |                  |       |             |
| Native Danes | 72.8   | 5.6                | 6.9            | 11.0| 3.7              | 100   | 381,510     |
| Turkey     | 23.5   | 29.7               | 2.1            | 31.7| 13.0             | 100   | 186,724     |
| Iran       | 39.6   | 40.3               | 0.9            | 3.1 | 16.0             | 100   | 209,810     |
| Pakistan   | 54.8   | 16.2               | 1.1            | 17.2| 10.7             | 100   | 240,385     |
| Vietnam    | 42.3   | 31.5               | 1.7            | 13.2| 11.3             | 100   | 220,059     |
| **Women:** |        |                    |                |     |                  |       |             |
| Native Danes | 57.0   | 10.5               | 9.7            | 19.6| 3.1              | 100   | 274,042     |
| Turkey     | 10.0   | 50.9               | 0.8            | 20.4| 17.9             | 100   | 136,487     |
| Iran       | 27.0   | 51.1               | 0.4            | 1.6 | 20.0             | 100   | 186,629     |
| Pakistan   | 18.8   | 40.0               | 1.9            | 20.0| 19.4             | 100   | 148,877     |
| Vietnam    | 26.4   | 41.4               | 0.7            | 13.7| 17.8             | 100   | 164,826     |

*Source: Own calculations on register data from Statistics Denmark.*

### Table 4. Proportion of income from market income, State pension, other pensions, welfare benefits, and mean income, persons aged 65-74 years old, 2011 (% and DKK).

|        | Market | State pension | Other pensions | Welfare benefits | Total | Mean income |
|--------|--------|---------------|----------------|------------------|-------|-------------|
| **Men:** |        |               |                |                  |       |             |
| Native Danes | 32.9   | 31.6          | 33.1           | 2.4              | 100   | 279,788     |
| Turkey     | 5.3    | 69.9          | 13.1           | 11.7             | 100   | 137,607     |
| Iran       | 17.7   | 59.1          | 9.9            | 13.3             | 100   | 166,688     |
| Pakistan   | 25.9   | 52.7          | 13.3           | 8.1              | 100   | 160,846     |
| Vietnam    | 4.1    | 76.5          | 7.5            | 11.9             | 100   | 135,174     |
| **Women:** |        |               |                |                  |       |             |
| Native Danes | 16.5   | 49.3          | 30.8           | 3.4              | 100   | 200,478     |
| Turkey     | 1.6    | 79.7          | 5.7            | 13.0             | 100   | 90,999      |
| Iran       | 14.6   | 62.0          | 2.3            | 21.1             | 100   | 138,780     |
| Pakistan   | 0.6    | 78.5          | 11.5           | 9.4              | 100   | 99,650      |
| Vietnam    | 0.5    | 83.0          | 3.1            | 13.5             | 100   | 124,652     |

*Source: Own calculations on register data from Statistics Denmark.*
illustrate that the proportion of income from the market and other pensions is markedly lower for immigrants than for native Danes. Thus, for the 65-74-year-olds, around 5% of the income of immigrant men from Turkey and Vietnam is market income, while the corresponding proportion for native Danish men is 33%. As a reflection of this, the immigrants in both age groups are more

Table 5. Linear probability models: the incidence of poverty – nuclear family. Immigrants from four countries of origin and native Danes. 60-74 years old, 2011.

| Gender          | Turkey     | Iran       | Pakistan  | Vietnam   | Denmark   |
|-----------------|------------|------------|-----------|-----------|-----------|
| Men             | Ref.       | Ref.       | Ref.      | Ref.      | Ref.      |
| Women           | 0.061***   | 0.053*     | 0.046*    | 0.019     | -0.005*** |
|                 | (0.015)    | (0.024)    | (0.020)   | (0.024)   | (0.000)   |

| Family status   | Turkey     | Iran       | Pakistan  | Vietnam   | Denmark   |
|-----------------|------------|------------|-----------|-----------|-----------|
| Couple          | Ref.       | Ref.       | Ref.      | Ref.      | Ref.      |
| Single          | 0.190***   | 0.101***   | 0.149***  | 0.107***  | 0.025***  |
|                 | (0.016)    | (0.023)    | (0.021)   | (0.024)   | (0.000)   |

| Age             | Turkey     | Iran       | Pakistan  | Vietnam   | Denmark   |
|-----------------|------------|------------|-----------|-----------|-----------|
| 60-64 years old | -0.141***  | -0.022     | -0.071*** | -0.066*   | 0.003***  |
|                 | (0.016)    | (0.027)    | (0.021)   | (0.028)   | (0.000)   |

| Duration of residence | Turkey     | Iran       | Pakistan  | Vietnam   | Denmark   |
|-----------------------|------------|------------|-----------|-----------|-----------|
| 0-19 years in Denmark | 0.215***   | 0.054      | 0.164*    | 0.359***  |
|                       | (0.036)    | (0.051)    | (0.064)   | (0.035)   |

| Labour market status at age 55 | Turkey     | Iran       | Pakistan  | Vietnam   | Denmark   |
|--------------------------------|------------|------------|-----------|-----------|-----------|
| Employed                       | Ref.       | Ref.       | Ref.      | Ref.      | Ref.      |
| Unemployed                     | 0.074**    | 0.073      | 0.043     | 0.030     | 0.005***  |
|                                | (0.024)    | (0.050)    | (0.031)   | (0.043)   | (0.001)   |
| Transitional benefits          | 0.024      | 0.076      | 0.034     | 0.132     | 0.009***  |
|                                | (0.024)    | (0.152)    | (0.034)   | (0.074)   | (0.001)   |
| Disability insurance           | 0.085***   | -0.057     | 0.065*    | -0.064*   | -0.006*** |
|                                | (0.020)    | (0.032)    | (0.026)   | (0.031)   | (0.000)   |
| Other benefits                 | 0.076**    | 0.045      | 0.093***  | -0.001    | 0.025***  |
|                                | (0.024)    | (0.035)    | (0.030)   | (0.036)   | (0.001)   |
| Other out of labour force      | 0.184***   | 0.268***   | 0.186***  | 0.097*    | 0.041***  |
|                                | (0.029)    | (0.046)    | (0.035)   | (0.046)   | (0.001)   |
| Constant                       | 0.071***   | 0.016      | 0.066***  | 0.058     | 0.005***  |
|                                | (0.018)    | (0.043)    | (0.019)   | (0.033)   | (0.000)   |
| $R^2$                          | 0.192      | 0.111      | 0.159     | 0.267     | 0.016     |
| Observations                   | 2971       | 826        | 1716      | 659       | 859653    |

Source: Own calculations on register data from Statistics Denmark.
Standard errors in parentheses.
* p<0.05, ** p<0.01, *** p<0.001.
Table 6. Linear probability models: the incidence of poverty – extended family. Immigrants from four countries of origin and native Danes, 60-74 years old, 2011.

|                        | Turkey | Iran | Pakistan | Vietnam | Denmark |
|------------------------|--------|------|----------|---------|---------|
| **Gender**             |        |      |          |         |         |
| Men                    | Ref.   | Ref. | Ref.     | Ref.    | Ref.    |
| Women                  | 0.044*** | 0.031 | -0.004  | -0.014  | -0.003*** |
|                        | (0.013) | (0.023) | (0.019) | (0.018) | (0.000) |
| **Family status**      |        |      |          |         |         |
| Couple                 | Ref.   | Ref. | Ref.     | Ref.    | Ref.    |
| Single                 | 0.123*** | 0.083*** | 0.034  | 0.070**  | 0.019*** |
|                        | (0.017) | (0.024) | (0.026) | (0.023) | (0.000) |
| More than on family    | -0.041** | 0.001  | -0.040*  | -0.068*** | 0.008*** |
|                        | (0.013) | (0.032) | (0.017) | (0.019) | (0.000) |
| **Age**                |        |      |          |         |         |
| 60-64 years old        | Ref.   | Ref. | Ref.     | Ref.    | Ref.    |
| 65-69 years old        | Ref.   | Ref. | Ref.     | Ref.    | Ref.    |
| 70-74 years old        | 0.070*** | -0.060  | 0.120*** | 0.016  | -0.001*** |
|                        | (0.016) | (0.037) | (0.023) | (0.028) | (0.000) |
| **Duration of residence** |        |      |          |         |         |
| 0-19 years in Denmark  | 0.157*** | -0.023  | 0.102  | 0.170*** |         |
|                        | (0.030) | (0.060) | (0.055) | (0.027) |         |
| 20-29 years in Denmark | 0.007  | -0.037  | -0.018  | 0.004  |         |
|                        | (0.012) | (0.053) | (0.017) | (0.019) |         |
| 30+ years in Denmark   | Ref.   | Ref. | Ref.     | Ref.    | Ref.    |
| **Labour market status at age 55** |        |      |          |         |         |
| Employed               | Ref.   | Ref. | Ref.     | Ref.    | Ref.    |
| Unemployed             | 0.032  | 0.089  | 0.032  | 0.034  | 0.004*** |
|                        | (0.020) | (0.046) | (0.028) | (0.033) | (0.001) |
| Transitional benefit   | -0.026  | 0.065  | -0.008  | 0.039  | 0.007*** |
|                        | (0.020) | (0.141) | (0.030) | (0.058) | (0.001) |
| Disability insurance   | 0.055*** | -0.030  | 0.030  | -0.022  | -0.006*** |
|                        | (0.016) | (0.029) | (0.023) | (0.024) | (0.000) |
| Other benefits         | 0.057**  | 0.058  | 0.072**  | 0.024  | 0.019*** |
|                        | (0.020) | (0.032) | (0.027) | (0.027) | (0.001) |
| Others out of labour force | 0.077**  | 0.236*** | 0.132*** | 0.083*  | 0.033*** |
|                        | (0.024) | (0.042) | (0.031) | (0.035) | (0.001) |
| Constant               | 0.065*** | 0.074  | 0.100*** | 0.030  | 0.004*** |
|                        | (0.018) | (0.057) | (0.024) | (0.026) | (0.000) |
| $R^2$                  | 0.093  | 0.083  | 0.053  | 0.155  | 0.011 |
| Observations           | 2924  | 809  | 1662  | 650  | 847746 |

Source: Own calculations on register data from Statistics Denmark.
Standard errors in parentheses.
* p<0.05, ** p<0.01, *** p<0.001.
dependent on welfare benefits, disability insurance or State pension than native Danes. In fact, the proportion of income from State pensions is 60-80% for 65-74-year-old immigrant men and only 30% for 65-74-year-old native Danish men, cf. Tables 3 and 4 above. The immigrant women are even more dependent on welfare benefits and State pensions than the men.

Although the 65-74-year-old immigrants from Turkey and Pakistan are more dependent on State pensions in relative terms than native Danes in the same age group, they do, on average, receive a lower absolute amount in pension (for those who receive a State pension); i.e. on average, immigrants from Turkey and Pakistan received DKK 87,000, while native Danes received DKK 97,000 from their State pension in 2011. The immigrants from Iran and Vietnam received, on average, around DKK 107,000 in State pension – reflecting the different set of pension eligibility rules for immigrants arriving as refugees.

**Analyses**

In Tables 5 and 6, we present the results from two linear probability models, including a number of potential determinants for being below the 50% poverty line in 2011. Only immigrants from the four selected countries and native Danes who were living in Denmark at age 55 are included in the calculations.

Table 5 shows the estimation results for the model where the calculation of the poverty risk is based on the nuclear family. Looking at the importance of gender, positive significance is found for women from Turkey, Iran and Pakistan, and negative significance for native Danish women, when other relevant background factors such as family status and previous labour market status are controlled for. Being single increases the risk of poverty in all five groups. Regarding age, we find completely different profiles for immigrants from the two guest worker countries, Turkey and Pakistan, relative to Danish natives. With 65-69-year-olds as a reference group, the poverty risk is significantly lower for 60-64-year-old immigrants, many of whom were eligible for PEW or DI. After the State pension age of 65, the poverty risk increases in contrast to the case for native Danes. For immigrants from the two refugee countries, Iran and Vietnam, there is no significant relation between age and poverty risk. This is probably because they are exempt from the fractional pension rule applied for immigrants who are not refugees. The poverty risk is higher for immigrants from Turkey and Pakistan with less than 30 years of residence and for those from Vietnam with less than 20 years of residence. For immigrants from Iran – most of whom arrived later – duration of residence had no significant impact. The eventual impact of occupation at age 55 is measured against being employed as a wage earner or in self-employment. Being unemployed at 55 increases the poverty risk significantly for immigrants from Turkey. Receiving disability insurance or other social benefits increases the poverty risk significantly for immigrants from Turkey and Pakistan (see also the relative importance of these two income components in Table 3). Finally, being out of the labour force at age 55 significantly increases the poverty risk for all five groups.

Table 6 shows the estimation results for the model where the calculation of the poverty rate is based on the extended family. The results are, in general, very similar to the results in Table 5, but the number of significant coefficients is smaller. The results in Table 6 confirm the descriptive findings, i.e. living in a household consisting of more than one nuclear family reduces the risk of poverty. For immigrants aged 70-74 years old, we still find a significantly higher poverty risk for immigrants from Turkey and Pakistan. For native Danes, we find a higher poverty risk for 60-74-year-olds who at 55 were in states other than being employed as a wage earner or in self-employment.
Conclusions

Many immigrants from low-income countries came to Denmark at a young age either as guest workers before 1973, as refugees, or as tied movers in relation to family reunification. Nevertheless, soon many individuals in these groups aged into their 60s and 70s. In relative terms, the increase in those aged 60 years and older is higher than for native Danes. The focus in this article has been on the risk of poverty in relative terms for this group of immigrants compared with that for native Danes. The challenge around ageing among immigrants and refugees coming from low-income countries is the fact that the very comprehensive set of retirement programmes in Denmark is primarily designed to cover people with a background in dual earner families, typically with long tenure in the labour force and with fairly few having spent major proportions of their active years in long-term sickness or disability.

Furthermore, in many cases immigrants and refugees do not have a sufficiently long duration of residence to qualify to be fully covered by social security programmes in old age. At the same time, imperfect integration into the labour force has meant much lower employment rates than among natives. Moreover, big differences exist regarding employment rates between the immigrant groups by country of origin. Consequently, we find very high current relative poverty rates for older immigrants in a setting where old age is no longer a poverty risk among native Danes.

In estimations of the determinants of risk of poverty for immigrants and native Danes in 2011, among those who were in Denmark at age 55, we found that less than 20 years of residence in Denmark increases the poverty risk. Increasing age implies a higher poverty risk for immigrants, in contrast to the situation for natives. Being single implies a more pronounced and higher risk of poverty risk as well. Finally, for those who are outside the labour force at age 55, the poverty risk is significantly higher in old age. The estimations for poverty risk were made using both a conventional nuclear family concept and an extended family concept. We find in the descriptive analysis that the poverty risk is lower among those living in extended families. In the regressions, we find a smaller impact of earlier labour market status on poverty when the extended family concept is used. The interpretation of this is, however, dependent on assuming that expenses in the family are distributed in an egalitarian way.

Acknowledgements

We are grateful for very useful comments and suggestions from the editors and from two referees. We thank Tone Fløtten for very useful comments to an earlier version of the paper.

Declaration of Conflicting Interests

The author(s) declared no potential conflicts of interest with respect to the research, authorship, and/or publication of this article.

Funding

The author(s) received no financial support for the research, authorship, and/or publication of this article.

References

Andersen, T.M., Andersen, L., Fløtten, T., Pedersen, L., Ploug, N. and Sjursen, J. (2013) ‘En dansk fattigdomsgrense – analyser og forslag til opgørelsesmetoder’ (‘A Danish poverty line – Analyses and suggestions for setting it up’), Copenhagen: Expert Committee on Poverty.
Atkinson, A.B., Rainwater, L. and Smeeding, T.M. (1995) ‘Income distribution in OECD countries’, OECD Social Policy Studies, No. 18, Paris: OECD.

Blume, K.B., Gustafsson, B., Pedersen, P.J. and Verner, M. (2007) ‘At the Lower End of the Table: Determinants of Poverty among Immigrants to Denmark and Sweden’, Journal of Ethnic and Migration Studies, 33(3), 373–396.

Deding, M., Hussain, M.A., Jakobsen, V. and Broadman, S. (2010) ‘Immigration and income inequality: A comparative study of Denmark and Germany, 1984 2003’, Journal of Income Distribution, 19(1), 48–74.

deVos, K. and Zaidi, M.A. (1997) ‘Equivalence scale sensitivity of poverty statistics for the member states of the European Community’, Review of Income and Wealth, 43(3), 319–333.

Dunifon, R.E., Ziol-Guest, K.M. and Kopko, K. (2014) ‘Grandparent Co-residence and Family Well-Being: Implications for Research and Policy’, The ANNALS of the American Academy of Political and Social Science, 654(1), 110–126.

Ekberg, J. and Lindh, T. (2011) ‘Pensionsreformen och invandrarna’ (‘The pension reform and the immigrants’), Ekonomisk Debatt, 5, 33–40.

Ekberg, J. (2015) ‘Har invandrade kvinnor låg ålderspension?’ (‘Do immigrant women have a low old-age pension?’), Ekonomisk Debatt, 4, 69–76.

Elliott, D.B., Young, R. and Dye, J.L. (2011) ‘Variation in the Formation of Complex Family Households during the Recession’, SEHSD Working Paper Number 2011-32, Washington D.C., U.S. Bureau of the Census.

Epland, J. (2013) ‘Lavinntekt og innteksfordeling’ (‘Low income and income distribution’) in Kaur, R. (ed.) Økonomi og levekår for ulike lavinntektsgrupper (Economy and Living Conditions for Different Low-income Groups), SSB 32/2013, Oslo, available at: https://www.ssb.no/inntekt-og-forbruk/artikler-og-publikasjoner/_attachment/135653?_ts=140
cee64848

Flood, L. and Mitrut, A. (2010) ‘Ålderspension för invandrare från länder utanför OECD-området. En rapport från Sociala rådet’ (‘Old-age pension for immigrants from outside the OECD area. A report from the Social Council’), SOU 2010:105, Stockholm, 1-77

Flood, L. (2014) ‘Ålderspension och fattigdom. Dagens och framtidens pension för visa utsatta grupper’ (‘Old-age pension and poverty. Current and future prospects for certain exposed group’), in Lindquist, G.S. and Wadensjö, E. (eds.) Jämställdhet i socialförsäkringen? (Equality in the Social Insurance System?), SOU 2014: 74, Stockholm, available at: http://jamstalld
hetiarbetslivet.se/wp-content/uploads/2014/11/SOU-2014_74.pdf

Galloway, T.A., Gustafsson, B., Pedersen, P.J. and Österberg, T. (2015) ‘Immigrant Child Poverty – The Achilles Heel of the Scandinavian Welfare State’, Review of Economic Inequality, 23, 185–220.

Gonzales, A.M. (2007) ‘Determinants of Parent-Child Co-residence among Older Mexican Parents: The Salience of Cultural Values’, Sociological Perspectives 50(4), 561–577.

Gurak, D.T. and Kritz, M.M. (2010) ‘Elderly Asian and Hispanic Foreign- and Native-Born Living Arrangements: Accounting for Differences’, Research on Aging, 32(5), 567–594.

Gustafsson, B, MacInnes, H. and Österberg, T. (2016) ‘Poverty among late in life migrants to Sweden’, unpublished conference paper.
Isengard, B. and Szydlik, M. (2012) ‘Living Apart (or) Together? Co-residence of Elderly Parents and their Adult Children in Europe’, *Research on Aging*, 34(4), 449–474.

Jakobsen, V. and Liversage, A. (2016) ‘From work to welfare: Institutional Arrangements Shaping Turkish Marriage Migrants’ Gendered trajectories into new societies’, *International Migration Review*, 35(1), 1–35.

Liversage, A. and Jakobsen, V. (2016) *Ældre fra Tyrkiet – hverdagsliv og vilka˚r (Older people from Turkey: everyday life and living conditions)*, Roskilde: Roskilde University Press.

Mogensen, G.V. and Matthiessen, P.C. (2000) *Integration i Danmark omkring artusindskiftet (Integration in Denmark at the Turn of the Century)*, Aarhus: Aarhus Universitetsforlag.

Pedersen, P.J. (2011) ‘A Panel Study of Immigrant Poverty Dynamics and Income Mobility – Denmark, 1984-2007’, Study Paper No. 34. The Rockwool Foundation Research Unit, 1-37.

PEW Research Center (2016) ‘News in numbers. A record 60.6 million Americans live in multi-generational households’, available at: http://www.pewresearch.org/fact-tank/2016/08/11/a-record-60-6-million-americans-live-in-multigenerational-households/.

Pfeiffer, D., Anacker, K.B. and Louton, B. (2016) ‘What are the effects of doubling-up on retirement income and assets?’, Center for Retirement Research at Boston College, CRR WP 2016-10, 1–58.

Poulsen, M.E. and Lange, A. (1998) *Indvandrere i Danmark (Immigrants in Denmark)*, Copenhagen: Danmarks Statistik.

Prickett, K.C. and Angel, J.L. (2017) ‘Transitions in living arrangements among older Mexican Americans. The dynamics of dependency and disadvantage’, *Research on Aging*, 39(3), 396–417.

Smits, A., van Gaalen, R.I. and Mulder, C.H. (2010) ‘Parent-Child Co-residence: Who moves in With Whom and for Whose Needs?’, *Journal of Marriage and Family*, 72(4), 1022–1033.

Statistics Denmark (2013) ‘Befolkning og valg, Statistiske Efterretninger’ (‘Population and elections, statistical reports’), 2013:2. Copenhagen: Statistics Denmark.

Statistics Denmark (2015) ‘Indvandrere i Danmark’ (‘Immigrants in Denmark’), Copenhagen: Statistics Denmark.

Statistics Denmark (2016) http://www.statistikbanken.dk,

Statistics Sweden (2012) ‘Integration – utrikes födda i pensionsåldern’, *Integration: Rapport 5. (‘Integration: the Foreign born in the pensionable age’)*, Stockholm.

**Appendix**

| Year | 50-54 | 55-59 | 60-64 | 65-74 | 75+ |
|------|-------|-------|-------|-------|-----|
| All: |       |       |       |       |     |
| Native Danes | 336,093 | 326,606 | 330,502 | 543,835 | 382,739 |
| Immigrants: |       |       |       |       |     |
| Turkey | 2,747 | 2,055 | 1,272 | 1,801 | 598 |
| Iran   | 2,223 | 1,025 | 452  | 487  | 321 |
| Pakistan | 835  | 943  | 850  | 959  | 210 |
| Vietnam | 973  | 625  | 338  | 346  | 367 |

(continued)
|                | 50-54 | 55-59 | 60-64 | 65-74 | 75+  |
|----------------|-------|-------|-------|-------|------|
| **Men:**       |       |       |       |       |      |
| Native Danes   | 168,303 | 163,039 | 163,524 | 263,102 | 153,740 |
| Immigrants:    |       |       |       |       |      |
| Turkey         | 1,484  | 1,135  | 614   | 995   | 314  |
| Iran           | 1,623  | 659    | 279   | 245   | 152  |
| Pakistan       | 433    | 382    | 506   | 623   | 138  |
| Vietnam        | 539    | 296    | 152   | 151   | 158  |
| **Women:**     |       |       |       |       |      |
| Native Danes   | 167,790 | 163,567 | 166,978 | 280,733 | 228,999 |
| Immigrants:    |       |       |       |       |      |
| Turkey         | 1,263  | 920    | 658   | 806   | 284  |
| Iran           | 600    | 366    | 173   | 242   | 169  |
| Pakistan       | 402    | 561    | 344   | 336   | 72   |
| Vietnam        | 434    | 329    | 186   | 195   | 209  |

**Source:** Own calculations on register data from Statistics Denmark.