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Loneliness Among Migrants in Italy: Risks and Protectors

Eralba Cela¹ and Elisa Barbiano di Belgiojoso²

Abstract

In this study we focused on migrants' loneliness, in order to unpack risks for, and protective factors against, loneliness among migrants in Italy. Our data come from the 'Social Condition and Integration among Foreign Citizens' survey conducted by ISTAT during 2011–2012 on a sample of 25,000 individuals living in a household with at least one foreign-born member. Our results show that economic resources and employment protect from loneliness feelings, whereas education does not. Family and social embeddedness and satisfaction with life are protective factors, whereas discrimination, language barriers, deprived neighbourhoods and poor health are associated with a higher risk of loneliness. Gender is a key lens to consider when analysing loneliness especially in relation to fragile populations like those with a migratory background.

Keywords: Loneliness; migration; Italy

Introduction

Loneliness is defined as a subjective experience of discrepancy between available and desired social contacts, either in terms of quantity or quality (De Jong Gierveld, 1998; Peplau and Perlman, 1982). It is a negative assessment of own relationships because of unmet expectations. Weiss (1973) distinguishes between emotional and social loneliness, with the former related to intimate bonds like partner or best friend and the latter to embeddedness in broader social relations and community. Loneliness has negative impacts not only on individuals' lives but also on the society as a whole and is considered a public health issue because of its association with a wide range of health problems such as poor mental and physical health, depression, heart disease, alcohol and drug abuse, eating and sleeping disorders, increased mortality risk, etc. (Cacioppo et al., 2002; Cacioppo et al., 2006; Hawkley & Cacioppo, 2010; Holwerda et al., 2012; Holt-Lunstad et al., 2015). Loneliness is rooted in the perceived lack of meaningful social relations.

Feelings of loneliness can appear in different life stages, due to life transitions such as the loss of loved ones, unemployment, divorce, migration. Previous research has shown that the younger and the older are at higher risk of loneliness (Cacioppo et al. 2006; Hawkley & Cacioppo, 2010; Victor & Yang, 2012). Loneliness increases with age, in particular from 75 years onward (Dykstra et al., 2005) because this is a life stage where it is more likely to experience negative life events such as the loss of partner, friends, relatives and health deterioration which hinders social relations (Dykstra & De Jong Gierveld, 2004; Victor et al.,

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2005). Migration is another life event that has been demonstrated to trigger loneliness; Weiss (1973: 16) for example states that those individuals "who have entered into a new community" are more likely to experience loneliness. This happens because migration entail a disruption effects on family and social relations left behind and stress caused by hostile environments, discrimination, and social exclusion in the destination countries, which affect migrants' wellbeing (Castañeda et al., 2015; Cela & Fokkema, 2017; Patzelt, 2017; Zotova, 2018).

Research on loneliness among ethnic groups focuses mainly on older migrants for whom the intersection of ageing and migration background causes a trap of vulnerabilities, increasing the likelihood of loneliness. Indeed, these studies show a positive relationship between being migrant and feeling lonely and a higher prevalence of loneliness among older migrants as compared to native peers for many reasons that range from low socio-economic conditions, poor health, bad housing conditions and deprived neighborhoods, unhealthy working conditions, hostility in the host country (De Jong Gierveld et al., 2015; Dolberg, Shiovitz-Ezra & Ayalaon, 2016; Fokkema & Naderi, 2013; Ten Kate et al., 2020; Victor et al., 2012; Wu & Penning, 2015). In addition, migrant-specific factors such as nostalgia and emotional attachment to family and social networks left behind, cultural and language barriers, difficulties to integration into the destination countries and discrimination have been shown to increase loneliness among older migrants (Bolzman et al., 2004; Cela & Fokkema, 2017; Horn & Fokkema, 2020; King et al., 2014).

However, we must acknowledge also that, besides the above risk-enhancing factors, there are other features that may protect migrants from vulnerability; one of the most important one is embeddedness within the family. Indeed, migrant families are characterized by strong norms of filial piety and obligation as well as multigenerational co-residence, that might prevent family members from isolation, although isolation and loneliness are two different concept and being surrounded by others does not necessarily mean less loneliness (King et al., 2014). Religious also is a protective factor against loneliness, although studies point at opposite evidence; nevertheless, for many migrants it represents a coping strategy against discrimination and marginalization and a buffer against stressful experiences in the new host environment (Ciobanu & Fokkema, 2017; Kim, 2013; Zotova, 2018).

Other researchers have analyzed ethnic groups as a whole without focusing specifically on older individuals (Van Den Broek & Grundy, 2017; Visser & El Fakiri, 2016). These studies show that duration of permanence in the host country, being unpartnered, or separation from partners or close family members and not getting along with neighbours increase the feelings of loneliness; likewise, health deterioration, perceived financial difficulties and discrimination are risk factors that may lead to loneliness.

Although a flourishing body of literature has focused on migrants' loneliness at EU and extra EU level, to the best of our knowledge, besides the qualitative works of Cela and Fokkema (2017) and King et al. (2014), no prior quantitative study has been carried out on this topic among migrants in Italy. In the present paper, we aim to fill this gap by analyzing, through a quantitative approach, loneliness among migrants in Italy. Our analyses are based on a unique dataset from a representative national survey conducted by ISTAT between 2011 and 2012, that focus on migrants from different nationalities. The dataset is specifically aimed at migrant population, which enables us to test, besides general determinants of loneliness (like socio economic conditions), other migration-specific aspects related to language proficiency, discrimination in Italy and transnational networks. We use these data to address the following



question: what are the main protective and risk factors of loneliness among different migrant groups in Italy and what are the differences according to gender? Through this research, we aim to advance scientific knowledge regarding the neglected topic of migrants' loneliness in the Italian context and to stimulate both the scientific and political debate and interventions on a relevant issue that has multiple links with health and wellbeing, as Hawkley and Cacioppo (2010:2) state "Left untended, loneliness has serious consequences for cognition, emotion, behavior, and health".

The paper is structured as follows: Section 2 describes the data and methods. Section 3 shows the empirical results. The last section presents the discussion of our main findings.

Data and methods

Data source

Our data come from the 'Social Condition and Integration among Foreign Citizens' survey conducted by ISTAT during 2011–2012 on a sample of 25,000 individuals living in a household with at least one foreign-born member. The two-stage sample design considers municipalities and households respectively as the first and second level units. The households are randomly selected from the Population Register (*Anagrafe*) that considers legal migrants only. All members of selected households are included in the sample and are interviewed through the CAPI technique.

The survey covers different topics regarding the migration experience and aspects of everyday life in Italy. For the purpose of our study, we consider migrants aged 18 years old or more for a total of 16,179 individuals.

Variables and methods

We used a logistic regression model with robust standard errors clustered by household. The dependent variable is the answer to a single item self-report loneliness rating question "Do you feel lonely?" that has been used in other previous studies (Victor et al., 2012). The response categories were 'never', 'sometimes', 'often' or 'always' lonely. We transformed it into a dummy variable (hereafter loneliness), coded 'Yes' if respondents rate themselves as sometimes or often lonely and 'No' (reference category) for the categories of never or rarely lonely.

We conducted the analysis for the whole sample (Table 3), and separately by gender (Table 4). For the whole model, we estimated several nested models adding one dimension per time, to check the effects of the different sets of independent variables on the likelihood of loneliness among migrants.

Table 2 presents the descriptive statistics for the main structural variables.

Independent variables

Table 1 summarises the variables included in the models, that refer to six dimensions of analysis, and their categories.

We included four variables representing the socio-economic situation, namely educational level, perceived economic condition of the family the occupational status, and housing conditions.

Another set of variables is related to family relations represented by the presence and contacts with children, partner and parents.

We included the presence of intimate relations outside the family that represent a kind of emotional inclusiveness both in Italy and abroad. Another set of variables regards the presence/absence of individual barriers represented by fluency in Italian and societal barrier represented by discrimination which affects migrants' integration and inclusiveness into broader social relations.

Table 1. Description of independent and control variables

Educational level Perceived economic condition of the family Very bad/bad (ref.); Good/very good	D: : (1 :	Independent variables	C
Perceived economic condition of the family Cocupational status Employed (ref.); Good/very good	Dimension of analysis	Variables	Categories and reference category
the family			Compulsory (ref.); Secondary; Tertiary
Problems with the accommodation (damp, small,) No (ref.); Yes	Socio-economic		, , , , , , , , , , , , , , , , , , , ,
Presence and contacts with children Presence and contacts with children Presence and contacts with children Presence and contacts with partner Presence and contacts with partner Presence and contacts with parents Presence and contacts with parents Presence and contacts with parents (Separately mother and father) Presence of intimate relations outside the family Presence of individual and abroad) Presence/absence of individual and societal barriers Pruncipation in associations Presence/absence of individual and societal barriers Presence/absence/		Occupational status	
Presence and contacts with children Presence and contacts with children Presence and contacts with partner Presence and contacts with partner Presence and contacts with partner Presence and contacts with parents (separately mother and father) Presence of intimate relations outside the family Presence of individual and abroad) Presence/absence of individual and societal barriers Migrants' participation in outdoor activities Migrants' participation in outdoor activities Migrants' participation in outdoor activities Mogrants' participation in outdoor activities No (ref.); Yes Mogrants' problems with the place of residence related to quality and safety No (ref.); Yes No (ref.); Yes No (ref.); Yes No (ref.); Yes Subjective perceptions Not important (ref.); Important Fair/good/very good (ref.); Very bad/bad Dissatisfied (ref.); Satisfied Dissatisfied (ref.); Satisfied Categories and reference category Male (ref.); Female (in years) Western migrants (ref.); Romania; Ukraine and Moldova; Other Asia, Mogrococ; Other North Africa; Latin America Cohort of arrival in Italy Mogranges of residence in Italy Marria area of residence in Italy North-West (ref.); North-East; Centre; Sould			No (ref.); Yes
Presence and contacts with partner (separately mother and father) Presence of intimate relations outside the family Presence of individual and societal barriers Presence/absence of individual and societal barriers Migrants' participation in outdoor activities Subjective perceptions Problems with the place of residence related to quality and safety Variable Gender Area of origin Area of origin Presence and contacts with parents (separately in Italy and abroad) Presence of individual and societal barriers Persons with whom interviewees feel comfortable to talk about private matters (separately in Italy and abroad) Presence/absence of individual and societal barriers No (ref.); Yes Most people can be trusted (ref.); You must be careful in dealing with people No (ref.); Yes Problems with the place of residence related to quality and safety No (ref.); Yes Subjective perceptions Presence/absence of religion Not important (ref.); Important Presence/absence/absence/absence/absence/absence/absence/absence/absence/absence/absence/absence/absence/absence/absence/absence/absence/absence/absence/absen		Presence and contacts with	All cohabiting children (ref.); Childless; Some non-cohabiting and frequent contacts; Some non-cohabiting and sporadic contacts;
Separately mother and father) Frequent contacts; Sporadic contacts	Family relations	Presence and contacts with partner	Frequent contacts; Sporadic contacts
Personce of intimate relations outside the family Persons with whom interviewees feel comfortable to talk about private matters (separately in Italy and abroad) Presence/absence of individual and societal barriers Participation in Italian Migrants' participation in outdoor activities Problems with the place of residence related to quality and safety Importance of religion Subjective perceptions Problems with the place of residence related to quality and safety Control variable Variable Gender Age Area of origin Area of origin Persons with whom interviewees feel comfortable to talk about private mide and you free first poor and and an and an analysis of the Pasis, and an an Africa; Latin America Cohort of arrival in Italy Macro area of residence in Italy Macro area of residence in Italy Presons with whom interviewees feel comfortable to talk about private feel comfortable to talk about private feel of refs.) No (ref.); Yes Most (ref.); Yes Most people can be trusted (ref.); You must be careful in dealing with people No (ref.); Yes Most people can be trusted (ref.); You must be careful in dealing with people No (ref.); Yes Most people can be trusted (ref.); You must be careful in dealing with people No (ref.); Yes Most people can be trusted (ref.); You must be careful in dealing with people Problems with the place of residence in Italy Problems with the place of residence of trust in others Problems with the place of residence of residence of trust in others Problems with the place of residence of trust in others Problems with the place of residence of trust in others Problems with the place of residence of trust in others Problems with the place of residence of trust in others Problems with the place of residence of trust in others. Problems with the place of residence of trust in others. Problems with the place of residence of trust in others. Problems with the place of residence of trust in others. Problems with the place of residence of trust in others. Problems with th			Cohabiting mother/father (ref.); Deceased;
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Area of origin Participation in associations Area of origin	and societal barriers	Discrimination	N 72
Trust in others Most people can be trusted (ref.); You must be careful in dealing with people Problems with the place of residence related to quality and safety Importance of religion Subjective perceptions Subjective perceptions Subjective perceptions Trust in others Problems with the place of residence related to quality and safety Importance of religion Self-rated health Life satisfaction Control variable Variable Categories and reference category Male (ref.); Female (in years) Western migrants (ref.); Romania; Ukraine and Moldova; Albania; Other Eastern Europe; China; Philippines; Indian Subcontinent (India, Pakistan, Sri Lanka and Bangladesh); Other Asia; Morocco; Other North Africa; Sub-Saharan Africa; Latin America Cohort of arrival in Italy Civil status Married (ref.); single; divorced or separated; widow North-West (ref.); North-East; Centre; South		Participation in associations	(),
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Macro area of residence in Italy Macro area of residence in Italy North-West (ref.); North-East; Centre; South	Cohort of arrival in Italy		2000-2004; 2005-2012
	Civil status		widow
	Macro area of residence in Italy		North-West (ref.); North-East; Centre; South and Islands



To capture the role of migrants' participation in outdoor activities, we included four variables: participation in associations; trust in others; problems with the place of residence related to quality and safety; and the importance of religion as a proxy of attending religious services.

The last set of variables is related to subjective perceptions: self-rated health and life satisfaction.

Control variables

We included six control variables: gender, age and age squared, area of origin, cohort of arrival in Italy, civil status and macro area of residence.

Results

Descriptive results (Table 2) show that 15.44% of migrants feel lonely. Females are more likely to feel lonely compared to males and this is confirmed also by our models.

The majority of respondents are women, married, coming from East Europe, after the year 2000, with a coresident partner and some or all coresident children, resident in the Northern regions. Usurpingly, women arrived more recently compared to men, and they have more frequently coresident children and partner.

Table 2. Descriptive statistics by gender

Variables	% total sample	% Male	% Female
Feeling lonely	15.44	14.94	15.85
Female	54.74		
Cohort of arrival in Italy			
before 1990s'	6.40	8.58	4.61
1990-1994	8.46	10.67	6.64
1995-1999	15.80	17.67	14.26
2000-2004	35.37	33.00	37.33
2005-2012	33.96	30.09	37.15
Area of origin			
Romania	21.53	20.20	22.63
Ukraine and Moldova	7.99	3.45	11.74
Albania	10.07	12.11	8.37
Other East Europe	9.17	7.32	10.70
China	3.75	4.21	3.37
Philippines	2.89	2.80	2.97
India, Pakistan, Bangladesh and Sri Lanka	7.17	9.57	5.19
Other Asia	1.97	1.86	2.05
Morocco	9.70	11.88	7.90
Other North Africa	4.47	6.86	2.50
Sub-Saharan Africa	6.14	7.42	5.08
Latin America	8.64	6.63	10.31
Western Migrants	6.51	5.69	7.19
Macro area of residence			
North-West	35.04	36.33	33.97
North-East	26.66	27.00	26.37
Centre	24.32	23.54	24.97
South and Island	13.98	13.12	14.69
Cohabitant partner	58.66	55.35	61.40
Cohabitant children	46.53	42.45	49.91

Source: Own elaboration on SCIF survey.

According to the logistic regression model, the more recent cohort of migrants, namely those arrived in Italy from 2005 and 2012 show a higher likelihood of loneliness compared to long-term migrants, but this difference become weaker when we take into account personal and societal barriers, and more precisely language difficulties and discrimination. Migrants from Asia and Africa are more likely to feel lonely compared to migrants coming from Western countries. Also, those coming from Ukraine and Moldova have a higher likelihood of loneliness, but the effect become weaker when considering aspects related to subjective perceptions.

Educational level has a strong positive association with loneliness, the higher the education, the higher the likelihood of feeling lonely, whereas the other two aspects of socio-economic conditions, namely economic resources and employment conditions have an inverse relation with loneliness; a positive assessment over family's economic situation and the condition of being employed are negatively associated with loneliness. Close family contacts also have a key role; the presence of a partner is crucial in this relation and its absence or sporadic contacts with him/her have a positive and strong effect on loneliness. As for the presence of children, migrants with non-cohabitant children but frequent contacts with them are more likely to feel lonely compared to those migrants with all coresident children. When considering the relationships with parents, those migrants who declare to co-reside with the mother feel less lonely compared to those who have lost their mother or have sporadic contacts with her. Intimate relations outside the family do have an important effect on loneliness too; those who have friends in Italy on whom they can rely on for intimate matters are more likely to be protected from loneliness whereas the presence of intimate relations abroad is a risk factor. Those who have experienced discrimination are more likely to feel lonely compared to those who have not been discriminated, and having difficulties with the Italian language has a positive effect on loneliness feeling. Lack of general trust towards other people is positively related to loneliness too. The association between loneliness and the last two independent variables, related to subjective perceptions have opposite directions: bad health is positively related to loneliness while life satisfaction has a negative effect.

Table 3. Results of logistic regression models: OR and significance.

Variables	Model 1.1	Model 1.2	Model 1.3	Model 1.4	Model 1.5	Model 1.6
	OR	OR	OR	OR	OR	OR
Educational level (ref. None or						
primary)						
Secondary	0.949	1.028	1.048	1.118	1.135	1.153
Tertiary	1.127	1.313*	1.307	1.424*	1.518**	1.521**
Perceived economic condition of the						
family good/very good (ref. Very	0.668***	0.650***	0.650***	0.666***	0.691***	0.814*
bad/bad)						
Occupational status (ref. Employed)						
Unemployed	1.288*	1.532***	1.491***	1.451***	1.432***	1.236*
Housewife, student, retired	0.804*	1.113	1.097	1.029	1.021	1.033
other	0.986	1.153	1.111	1.039	1.058	0.937
Problems with the accommodation	1.358***	1.431***	1.433***	1.390***	1.386***	1.302***
(ref. No)						
Presence and contacts with children						
(ref. All cohabitant children)						
Childless		1.075	1.049	1.049	1.064	1.045
Some non-cohabitant children		1.520***	1.505***	1.505***	1.496***	1.490***
frequent contacts						



Some non-cohabitant children sporadic contacts	1.268	1.206	1.226	1.258	1.179
Presence and contacts with partner					
(ref. Cohabitant partner)					
1 /	2.402***	2.250***	2.250***	2.244***	2.170***
No partner	2.402	2.230	2.230	2.244	2.170
Frequent contacts	1.140	1.112	1.111	1.095	1.043
Sporadic contacts	4.842***	3.928***	4.015***	4.121***	4.034***
Presence and contacts with father (ref.					
cohabitant)					
Deceased	1.355	1.361	1.301	1.285	1.194
Frequent	0.921	0.980	0.950	0.957	0.905
Sporadic	1.314	1.307	1.259	1.245	1.178
Presence and contacts with mother					
(ref. cohabitant)					
Deceased	1.959***	1.717**	1.692**	1.728**	1.663**
Frequent	1.231	1.199	1.151	1.164	1.146
Sporadic	2.185***	1.848***	1.815***	1.869***	1.828***
Having persons with whom					
interviewees feel comfortable to talk		0.426***	0.428***	0.428***	0.460***
about private matters in Italy (ref. No)					
Having persons with whom					
interviewees feel comfortable to talk		1.664***	1.650***	1.657***	1.635***
about private matters abroad (ref. No)					
Discrimination (ref. No)			1.536***	1.535***	1.414***
Non fluent in Italian (ref. Fluent)			1.554***	1.525***	1.470***
Participation in associations (ref. No)				0.817	0.837
You must be careful in dealing with				1 720***	1.649***
people (ref. trust in other)				1.730***	1.049
Problems with the place of residence				1 220	1.200*
related to quality and safety (ref. No)				1.239	1.288*
Religion is important (ref. non				1.022	1 1 10
important)				1.033	1.149
Bad/very bad health (ref. good/very					1 427***
good)					1.427***
Satisfied (ref. dissatisfied)					0.373***
Pseudo R2 0.05	1 0.097	0.111	0.120	0.127	0.152
Source: Own elaborations on SCIF survey.					

Note: The model controls for age, age squared, gender, area of origin, cohort of arrival in Italy, civil status and macro area of

Legend: * p<0.05; ** p<0.01; *** p<0.001

When we run the analysis separately for men and women (Table 4) several differences emerge confirming the importance of considering gender as a key variable when interpreting results on loneliness. We should pay attention however when interpreting these results because of different positions in the literature regarding the comparability of odds ratios across groups (Buis, 2017; Mood, 2010; Williams, 2009). A striking difference is the role of good perceived economic resources on the likelihood of feeling lonely, that has a clear direction (protective) only for men. Likewise, also higher education is positively associated with loneliness only for men. Whereas unemployment results in a risk factor only for women. Family contacts, with children and mother, have an influence on loneliness for women only; in particular, those women who have non-coresident children and have a deceased mother or occasional contacts with her are more likely to feel lonely compared to women with coresident children and alive mother. Not having experienced discrimination and participation in associations protects from loneliness women only.

Table 4. Results of the full logistic regression model by gender: OR and significance

	Male	Female
Variables	OR	OR
Educational level (ref. None or primary)		
Secondary	1.334	1.021
Tertiary	1.868*	1.316
Perceived economic condition of the family good/very good (ref. Very bad/bad)	0.684**	0.934
Occupational status (ref.= Employed)		
Unemployed	1.057	1.501**
Housewife, student, retired	0.805	1.057
other	1.347	0.633*
Problems with the accommodation (ref. =No)	1.289*	1.294**
Presence and contacts with children (ref. All cohabitant children)		
Childless	0.788	1.209
Some non-cohabitant children frequent contacts	1.392	1.435**
Some non-cohabitant children sporadic contacts	0.958	1.308
Presence and contacts with partner (ref. Cohabitant partner)		
No partner	2.476**	2.232***
Frequent contacts	0.509	1.547
Sporadic contacts	4.972***	3.206***
Presence and contacts with father (ref.= cohabitant)		
Deceased	1.158	1.156
Frequent	0.847	0.883
Sporadic	1.231	1.057
Presence and contacts with mother (ref.=cohabitant)		
Deceased	1.309	2.108**
Frequent	1.334	1.053
Sporadic	1.627	2.155**
Having persons with whom interviewees feel comfortable to talk about private matters in Italy (ref.= No)	0.437***	0.482***
Having persons with whom interviewees feel comfortable to talk about private matters abroad (ref.= No)	1.999***	1.406**
Discrimination (ref.= No)	1.296	1.558***
Non fluent in Italian (ref.= Fluent)	1.440*	1.489**
Participation in associations (ref. = No)	0.977	0.639*
You must be careful in dealing with people (ref.= trust in other)	1.598***	1.678***
Problems with the place of residence related to quality and safety (ref.= No)	1.313	1.312
Religion is important (ref.= non important)	1.199	1.101
Bad/very bad health (ref.= good/very good)	1.367*	1.460***
Satisfied (ref.= unsatisfied)	0.380***	0.363***
Pseudo R2	0.203	0.128
Source: Own elaboration on SCIF survey.		

Source: Own elaboration on SCIF survey.

Note: The model controls for age, age squared, gender, area of origin, cohort of arrival in Italy, civil status and macro area of

Legend: * p<0.05; ** p<0.01; *** p<0.001

Discussion

In this study, we analyzed risks and protectors of loneliness among migrants in Italy, using a unique dataset from a survey conducted by ISTAT during 2011–2012. To the best of our knowledge, this paper presents the first quantitative study on migrants' loneliness in Italy. Overall, our results show that socio-economic conditions have an important role on loneliness feelings; in particular employment and a positive assessment of economic resources negatively correlate with loneliness which is in line with previous findings showing that higher socio-economic status means more financial resources and thus more possibilities to have a wider social network and participate to outdoor activities (Antonucci et al., 1999; Fokkema &



Naderi, 2013). Contrary to previous studies, education does not protect from loneliness. This result might be country-specific as migrants in Italy are negatively selected concerning education, so it might be that those who have a higher education represent a small pool of individuals and this might jeopardise their opportunities to hang out with co-ethnic peers with similar backgrounds and interests (Cela & Fokkema, 2017).

In line with previous findings, our results show that social embeddedness within the close family is a protective factor against loneliness (Fokkema & Naderi, 2013; van den Broek & Grundy, 2017). Indeed, lack of contacts with the immediate family like children (because, for example, are not all residing with parents), partner and own parents, in particular mother (because of absence of partner and mother or rare contacts with them), is strongly intertwined with loneliness. This is not surprising, as, in migrants' families, multigenerational households are more common, and co-residence and proximity protect from isolation and mean mutual support and informal care exchange, that in a context of migration are crucial (de Jong Gierveld et al., 2012; de Valk & Schans, 2008).

Likewise, social resources outside the domestic walls have a key role in increasing the risk of loneliness when they are lacking. Our results show that societal barriers to inclusion, such as discrimination, represent a strong risk factor in increasing loneliness feelings among migrants. If we add to this language barriers and living in deprived neighbourhoods (Scharf & de Jong Gierveld, 2008), which are quite common situations among migrants, then social exclusion and loneliness are the expected results. Moreover, distrustful societies spread distrust also among migrants and are highly likely to transform their disadvantages into an escalation of negative feelings towards society, increasing their sense of exclusion and loneliness. Another relevant ingredient of loneliness is poor health. In line with the empirical literature (Fokkema & Naderi, 2013; Mladovsky, 2007; Visser & El Fakiri, 2016), our results show that poor health is associated with a higher risk of loneliness. This is a crucial aspect to take into consideration, as we know from previous studies that, although health conditions represent a prerequisite of social relations for both migrants and natives (Hawkley & Cacioppo, 2010), migrants are more likely to report poor health status compared to the native population (Cela & Barbiano di Belgiojoso, 2021; Loi & Hale, 2019). And we know also that, despite the initial health advantage of migrants when they arrive in Western countries - known as 'healthy migrant effect' (Borjas, 1987) - as time goes by there is an accumulation of disadvantages which translate into a deterioration over time and generations of their health status, turning into the 'exhausted migrant effect' (Bollini & Siem, 1995).

Overall, migrants who are more satisfied with life are also less likely to feel lonely. Our results show that gender is a key lens to take into consideration when analysing determinants of loneliness. Whereas for men good economic conditions represent an important protective factor against loneliness, for women protective factors are more related to social relations both within and outside the family. In particular, co-residence with children and mother, participation in associations and lack of discrimination reduce the risk of feeling lonely. In addition, unemployment is associated with loneliness for women only, probably because employment represents for many of them the main exist channel from the domestic walls.

Our study has some limitations as well related to the characteristics of the SCIF dataset. Loneliness is a quite new topic among migration scholars in Italy, so information (for example related to support given and received, embeddedness within the family and living arrangements) that would have been helpful for our analysis is missing in the data. Moreover,

the cross-sectional nature of the data prevents us from analysing loneliness in a life course perspective.

Despite these limitations, our study makes an important contribution to the existing research on the protective factors and potential risk factors of loneliness, which, from a preventive point of view and a public health perspective, are essential to acknowledge given its association with mortality and a wide range of poor health outcomes and behaviours (Victor et al., 2012), and because the intersection of the migratory background and the process of 'ageing in place' might transform into a multiple trap of vulnerabilities for the migrant population.

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