parents as the role of the common environment tends to disappear from adolescence onwards (Silventoinen et al., 2010; 2016), the significant association found between obesity and obese first-degree relatives may reflect some of the influence received during childhood, as obesity during this and subsequent periods may increase the risk of obesity in adulthood (Allcock, Gardner and Sowers, 2009; Jung et al., 2009; Simmonds et al., 2016).

As previously stated, obesity is usually associated with health disturbances. In the present research type 2 Diabetes, hypertension, cholesterol, cardio-vascular or respiratory diseases were considered obesity-related diseases (Fruh, 2017; Sawadogo et al., 2021; Kivimäki et al., 2022). A high percentage of women and men in both age groups suffering from one (or more) of these diseases were obese (between more than 45% and close to 70%); also, in this category, BMIs were higher than those of individuals who did not report any disease, although many of them were also obese (between 22%-35% according to sex and age). In this latter case, we could appeal to what in the last year. has come to be known as the "healthy obese" (S m., 2001), although this subtype of obesity and its halun consequences are currently under liscussion (Martínez-Larrad et al., 2014; Phillips, 2017).

As observed in other studies (de Mutsert et al., 2014; Webber et al., 2014; Kivimäki et al., 2022), pur results also showed a positive and significant association of obesity-related diseases with besity. The greatest association was with entral fat distribution (WHR) and although weaker (but significant) association could rise to found for both overall obesity (BMI) and al-don. al obesity (WC), no association were four a when poesity was defined by FM%. Similar results pays been observed in other studies, such as that f Canoy et al. (2007), which found that WHR, B. II and WC were directly related to coronary have disease development, but WHR was more strongly associated than WC or BMI. This fact covid reveal differences in metabolic characteristics between central and peripheral body fat. In fact, increased abdominal obesity could indicate increased visceral fat, which has been demonstrated to be associated with insulin resistance and a worse lipid profile than peripheral fat (Carr et al., 2004).

The 1948 constitution of the World Health Organization (WHO) defines health as "a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity" (see Larsen, 2022). Thus, a self-assessment of health should include self-perceived health, and not only physiciandiagnosed illnesses (Okosun et al., 2001). In the present study the perceived physical health condition was asked to the participants and the results showed that among those who perceived a bad health, a large percentage were obese, followed by those who perceived their health as regular. Their BMIs war, also much higher than those of the other two categories, in both sexes and age groups. In fact, it is he cally that obesity and poor health tend to go together, but many obese people perceive their state of health as poor or fair (regardless of their actual of vsical condition), and may experience negative frem go about their self body image, accompanied by a cartain degree of physical, mer tel and social suffering (Palmeira et al., 2016).

A positive and significant associations between this item and all obesity indicators were observed, especially the excess of fat (FM%), obesity (BMI) and abdon in lonesity (WC), were obese individuals had a 10, 6 an 1-5 fold greater odds, respectively, of reporting educed health; the OR obtained for fat distribution (2.04) were smaller than the ones obtained the other obesity indicators but also significant. This results support the idea that obesity is a predictor of reduced self-rated health (Prosper, Moczulski and Qureshi, 2009).

Obesity has also been associated with mental health, particularly anxiety and depression (Pereira-Miranda et al., 2017; Lavallee et al., 2021), and obese people are often stigmatized in our society (Fruh et al., 2016; Latner and Stefano, 2016; Fulton and Srinivasan, accessed November 2022); this may have contributed to poor health perception in many of the individuals with obesity, as observed in this research. As stated by (Robinson et al., 2020) "the psychological distress of self-identifying as obese is likely to have a negative impact on behavioural patterns that promote, rather than protect, poor health".

This research had some limitations and strengths. Firstly, the variables used to describe "personal background" were qualitative and selfreported which could influence some of the obtained