PRIORITISING HEARING HEALTH AND MENTAL WELL-BEING IN EUROPE'S AGEING POPULATION

In Europe, one third of people aged over 60 are living with a disabling hearing loss [1]. While the connection between ageing and hearing loss is well known, the associations between hearing loss and mental health conditions are not and are often not publicly or widely discussed.

This is despite the fact that mental health conditions such as depression are more than twice as common among people living with hearing loss compared to their hearing peers [2]. Studies also consistently report untreated hearing loss alongside higher rates of isolation and loneliness, as well as a lower quality of life [1, 3].

WHAT IS MENTAL HEALTH?

According to GAMIAN-Europe, a leading mental health charity, "the term mental health refers to our emotional, psychological, and social wellbeing. It helps determine how we handle stress, relate to others, and make choices. We define good mental health as a state of wellbeing in which an individual is able to function in everyday life and is able to cope with normal life stressors." (*Nigel Olisa, Executive Director*)

WHAT IS A DISABLING HEARING LOSS?

The World Health Organization states: "Disabling hearing loss refers to hearing loss greater than 35 decibels (dB) in the better hearing ear. Nearly 80% of people with disabling hearing loss live in low- and middle-income countries. Among those older than 60 years, over 25% are affected by disabling hearing loss."[4]

UNTREATED HEARING LOSS LEADS TO MENTAL ILL-HEALTH AND LONELINESS

Following well documented peaks in mental ill-health during the COVID-19 pandemic, it is unsurprising that mental health has become a priority on the EU health agenda.



1/10 PEOPLE

experience mental health challenges at any one time – in many cases hidden and untreated [6].

Poorer mental health, including stress, anxiety, depression, as well as behavioural and emotional disorders, is shown to be more prevalent among people living with hearing loss compared to those without [2, 7]. In fact, one study identified that hearing loss could increase the symptoms of anxiety and depression fourfold [3].

Individuals who self-report as feeling isolated or lonely face an increased risk of mental health conditions, as well as physical diseases such as strokes, cardiovascular diseases, diabetes, and dementia [9-11]. According to the WHO, social isolation and loneliness shorten the lives of older people and affect quality of life [12].



of older people across 25 European countries have reported feeling lonely [13].

THE FACTS: HEARING LOSS IN EUROPE

- By 2050, 1 in 4 people are projected to have hearing loss, equivalent to 236 million Europeans [1]
- Less than 10% of those who could benefit from treatment for severe hearing loss receive it [8]
- In Europe, 10.9% of people aged 60-69 experience hearing loss. This prevalence reaches 42% of people aged 80-89 and more than 56% for the over 90 years old [1]

Those who live with a disability or sensory impairment such as hearing loss are at greater risk [9, 10].

"Social isolation and loneliness due to hearing loss can have important implications for the psychosocial and cognitive health of older adults. Lack of engagement and feeling lonely may mediate the pathway linking hearing loss and cognitive decline. Furthermore, both can contribute to worsened mental health, leading to experience of depression and distress." [1]

Reports of fragmented communication due to hearing loss, the inability to fully participate in conversation, and social withdrawal are cited as factors that lead to increased social isolation in adults with hearing loss [2, 14]. The odds of experiencing loneliness was 2.2 times higher among older adults living with hearing loss compared to hearing peers [14].

POSITIVE IMPACT OF TREATING HEARING LOSS

Left untreated, hearing loss continues to contribute to social withdrawal, loneliness and depression. However, studies measuring the effect of cost-effective hearing interventions such as hearing aids and cochlear implants show significant benefits connected to mental well-being. Following cochlear implantation, most patients report a significant increase in quality of life. This includes improved communication and social engagement as well as increased emotional, psychological, mental and physical well-being [15-18]. For older adults with severe hearing loss, cochlear implants are also shown to significantly reduce depressive symptoms within 6 to 12 months after treatment [19].

THE ECONOMIC IMPACT OF HEARING LOSS AND MENTAL HEALTH

Untreated hearing loss and associated comorbidities place additional pressure on healthcare systems and are costly to the European economy. Hearing loss alone leads to an estimated cost of \leq 213 billion each year to the EU [21]. Considering additional costs of associated comorbidities, this sum increases further. According to the European Commission, mental ill health has a total cost of over 600 billion – or more than 4% of GDP – across the 27 EU countries and the UK [23]. In the UK alone, a study estimated that loneliness resulted in additional health and social care costs of £11,725 per person within 15 years [24].

TAKING ACTION FOR HEARING HEALTH

European policymakers must advocate for an EU-wide Action Strategy that tackles hearing loss and its associated comorbidities, whilst implementing aligned national health plans. Our members and partners call for the inclusion of the below policy recommendations to facilitate hearing loss prevention, diagnosis, treatment and care:

- Raise awareness of the importance of hearing health, the impact of hearing loss and the benefits of treatment among the public and healthcare professionals.
- Promote the need for robust national hearing health strategies including diagnosis, rehabilitation, service and maintenance.
- Introduce a national Newborn Hearing Screening Programme and Over 55 Hearing Screening Programme.
- Acknowledge access to professional hearing care as a right.
- Promote access to effective treatments including hearing aids, bone conduction devices, and cochlear implants.
- Explore and invest in effective methods of prevention and rehabilitation for hearing loss.
- Share best practices among EU Member States.

To discuss hearing loss and mental health in your country, contact Hearing Health Forum EU at contact@hearinghealth.eu

SPEND TO SAVE

- € Integrated hearing care can deliver a return of \$16 international dollars for \$1 invested [1]
- € In lower-middle-income settings, every international dollar invested in newborn hearing screening generates a return of \$1.67 international dollars [1]
- € Every international dollar invested in hearing screening for people older than 50 years generates \$1.62 international dollars in high-income settings [1]
- € Cochlear implants deliver a positive return on investment ranging from \$1.46-4.09 international dollars [1]

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