



# Fatema Jagmaag

- Fatema is an experienced CI audiologist and speech and language therapist.
- She is Co Founder of V Connect, India and Founder of Shaba Speech and Hearing Centre, a one stop place for audiological and speech and language issues.
- She has begun remote mapping services in Kenya and India.

# Keeping Technology Going For Life

Fatema Jagmaag

30.11.22

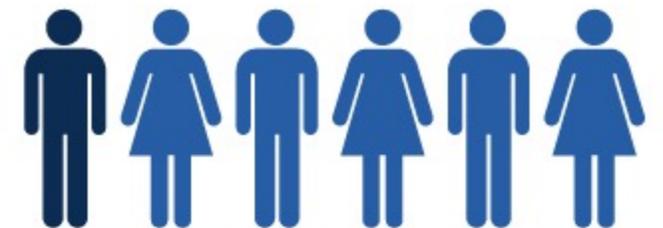


# Introduction

- As per WHO estimates in India, there are approximately 63 million people are suffering from Significant Auditory Impairment.
- Estimated prevalence at 6.3% in Indian population
- A large percentage is children between the ages of 0 to 14 years

## Indian scenario

**63mn** people suffer from significant hearing loss



**1 in 6** Indians have some form of hearing loss

## Hearing loss affects all age groups<sup>1</sup>



One in 200  
infants<sup>2</sup>



One in 5  
teens<sup>3</sup>



One in 5  
adults<sup>3</sup>



One in 3  
seniors<sup>4</sup>

<sup>1</sup>Better Hearing Institute. Prevalence Of Hearing Loss [Internet]. 2016 [cited 23 February 2017]. Available from: <http://www.betterhearing.org/hearingpedia/prevalence-hearing-loss>.

<sup>2</sup>Center for Hearing and Communication. Statistics and facts about hearing loss [Internet]. 2016 [cited 23 February 2017]. Available from: <http://chhearing.org/facts-about-hearing-loss/>.

<sup>3</sup>Hearing Health Foundation. Hearing Loss & Tinnitus Statistics [Internet]. 2016 [cited 23 February 2017]. Available from: <http://hearinghealthfoundation.org/statistics>.

<sup>4</sup>Hearing Loss Association of America. Basic facts about hearing loss [Internet]. 2016 [cited 23 February 2017]. Available from: <http://www.hearingloss.org/content/basic-facts-about-hearing-loss>.

# Impact of Hearing Loss

- Development of speech and spoken language
- Cognition ,Education Employment
- Interpersonal relationships, low self esteem,
- Economic impact , productivity losses



Economic



Functional



Social and  
Emotional

## Current CI scenario in India

Total CI recipients- around 25000 since the first CI surgery in 1996

Under Central Govt scheme-ADIP- 4500 candidates received a CI (since 2015)

Under Various State Govt schemes - 1500

Private Philanthropy program – 5000

Out of Pocket – 15000 plus

# Current CI Funding scenario in India

## Public

- Central Govt scheme like ADIP
- Mixed Central & State RBSK
- State Govt funding like Kerala, TN, Gujarat , Arogyashree Hyderabad-Karnataka, Sneha Shree Assam
- Army tender (for employees & families)
- Railway tender (for employees & families)
- ESIS
- CGHS
- Municipal funds –(partial)

## Private

- Out of Pocket/ Self Pay
- Private Trust Funds like IHF, THF , RMMT

# Current Cost of CI in India for Children & Adults : 1,000 INR is about 12 US\$

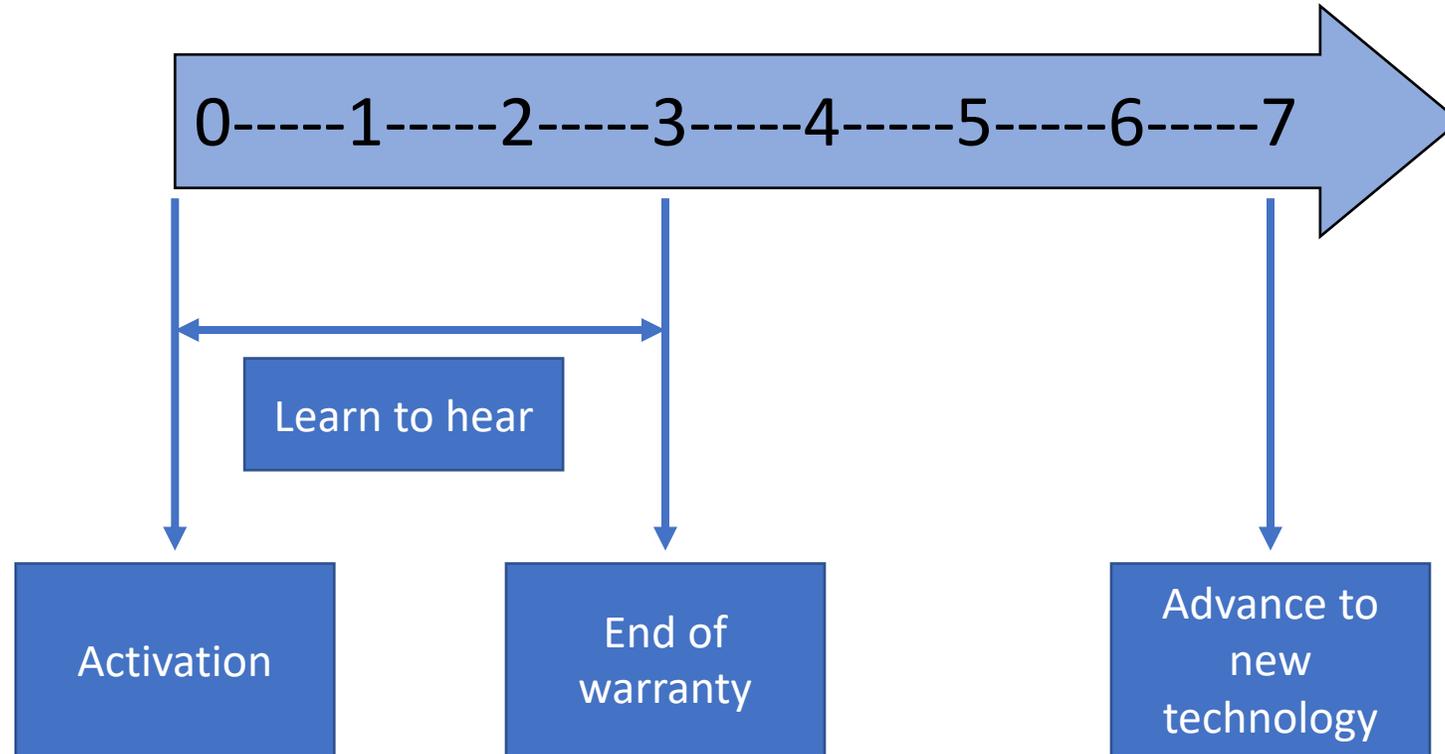
## **Private**

- CI Cost-INR 650,000 to INR 19,00,000
- Surgery Cost with 1 day stay- INR 85000 to INR 500,000
- Switch on- INR 1500 to INR 4500
- Therapy- INR 1000 per session
- Accessories after 1<sup>st</sup> year - INR 20000
- Annual Service cost after 3 years- INR 35000 plus

## **Public & Private Trust**

- CI Cost- INR 40,000 to INR 150,000
- Surgery Cost with 1 day stay- 0
- Switch on- INR 300 to INR 600
- Therapy- Free for 1 year- INR 60000 per year
- Accessories after 1<sup>st</sup> year - 0 to INR 20000
- Annual Service cost after 3 years- INR 35000 plus

# Typical Life cycle – the 7 year Journey

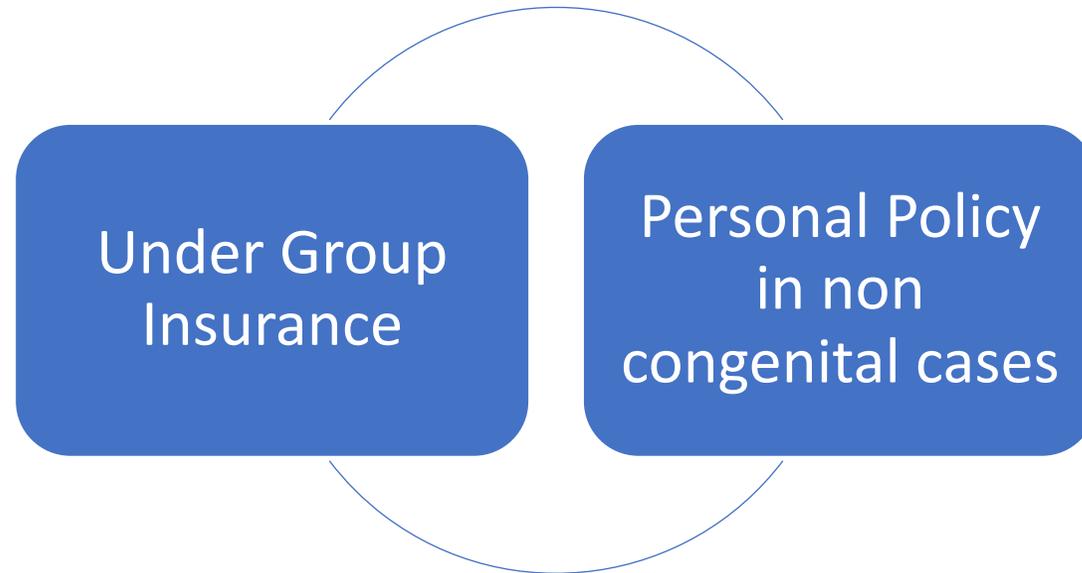


## Estimate of life Span (80 years)

Description	Amount in INR
Accessories avg in a year	20000
Consumables	15000
Service charge after 3 years	35000
Total service Cost in 7-8 years(thrice)	144000
Cost of Upgrade avg	550000
Number of Upgrades in a span of 70-80 years	10

# Current Insurance Scenario

## Private



# Challenges

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No Set Guidelines

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Exclusion in Medical insurance

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Insufficient data on non- users

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Accessibility

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Lack of education of CI users/care givers &  
Availability and access to information on CI usage

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Less Funding for Upgrades

# How can we do Better ?

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Awareness campaigns & Educating the Policy Makers, Insurance agencies/Brokers/ Medical Practitioners about HL as an invisible disability running campaigns-example Pulse polio campaign in India

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Making the Govt aware of the Economic Burden caused to the society if left unaddressed

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Govt levies should be abolished to cut down costs

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Inclusion in insurance for life- long support

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Manufacturing in India in order to cut down costs