



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

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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 groups¹



One in 200
infants²



One in 5
teens³



One in 5
adults³



One in 3
seniors⁴

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

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

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

⁴Hearing 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\$

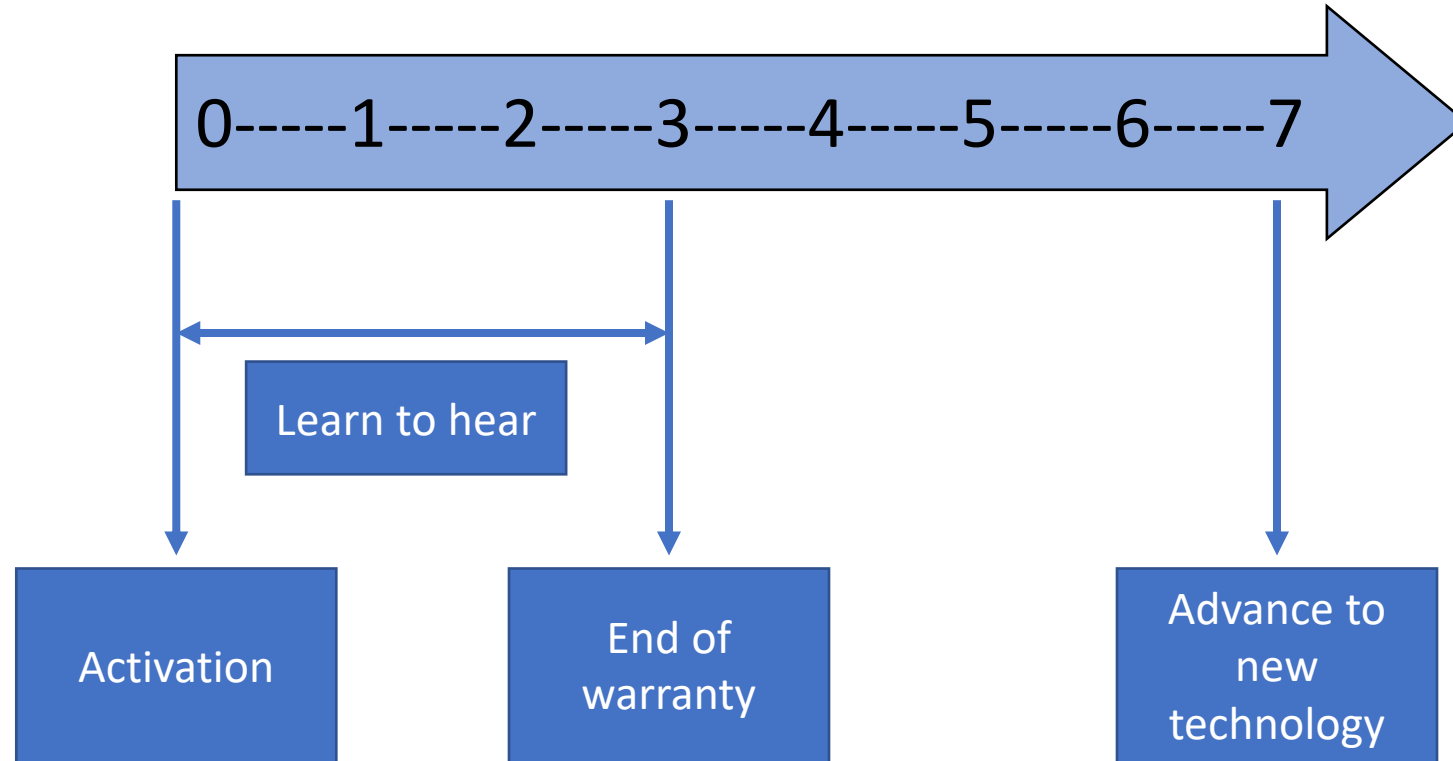
Private

- 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 1st 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 1st year – 0 to INR 20000
- Annual Service cost after 3 years- INR 35000 plus

Typical Life cycle – the 7 year Journey

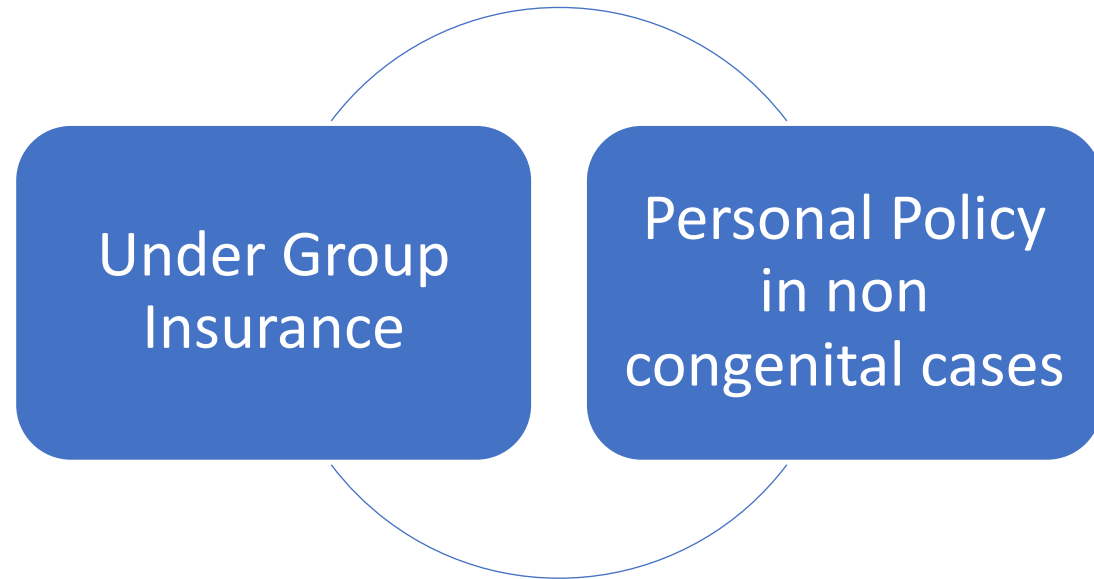


Estimate of life Span (80 years)

| 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

No Set Guidelines

Exclusion in Medical insurance

Insufficient data on non- users

Accessibility

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

Less Funding for Upgrades

How can we do Better ?

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

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

Govt levies should be abolished to cut down costs

Inclusion in insurance for life- long support

Manufacturing in India in order to cut down costs