

HEAL

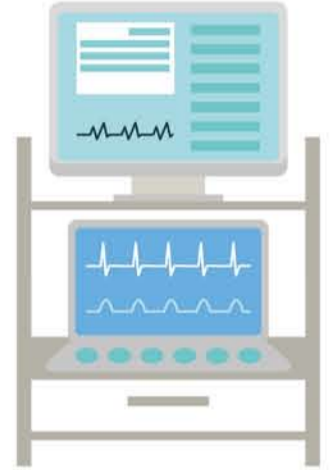
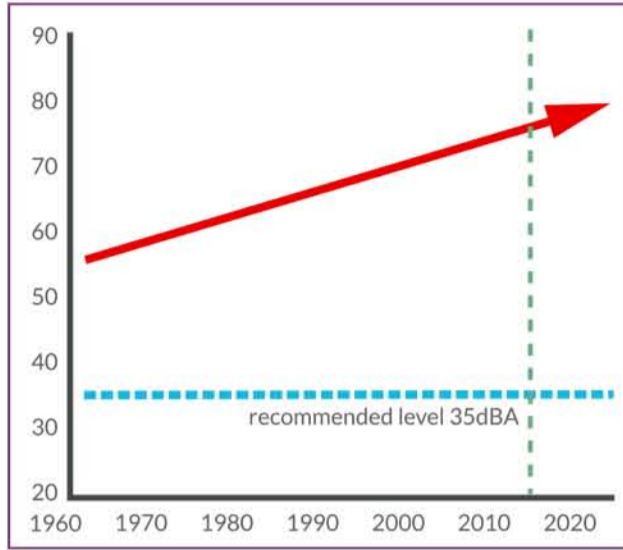
Benefits of sound absorbing ceilings

Noise in healthcare environments

Noise level recommendation:
30-35dBA

The reality:
45-120dBA

Increasing by:
5dBA per decade



Noise sources:

- Voices and communications
- Machines and alarms
- Movement

Effect of noise on patient health



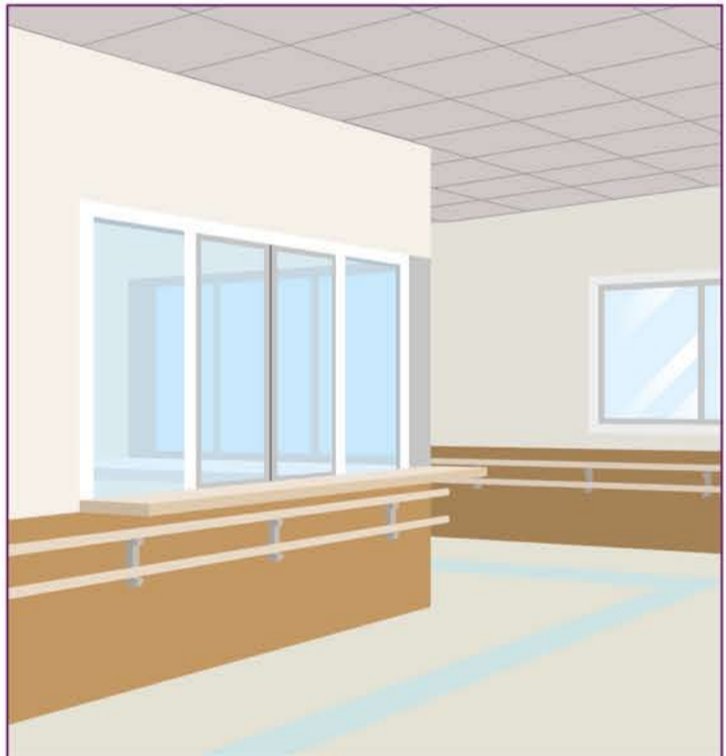
11-20%

of arousals and awakenings are due to noise

Excess noise:

- Increases length of hospital stays
- Elevates stress and anxiety
- Adversely affects the young, elderly and depressed

Solutions to minimise noise



Noise and reverberation time is reduced by the installation of sound absorbing ceiling tiles

Effect of noise on patient health



Effect on Hospital Staff:

6% of headaches at work are from noise induced stress

Reduced noise = less stress and overall better working environments

Benefits for patient health

<p>Reduced:</p> <ul style="list-style-type: none"> Annoyance & stress Headaches Blood pressure Emotional exhaustion Rehospitalisation Pain 		<p>Improved:</p> <ul style="list-style-type: none"> Sleep Medical accuracy Recovery time Satisfaction 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> ★★★★★ <input type="checkbox"/> ★★★★★ <input type="checkbox"/> ★★★★★ <input type="checkbox"/> ★★★ <input type="checkbox"/> ★
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Benefits for staff

<p>Reduced:</p> <ul style="list-style-type: none"> - Stress - Fatigue - Medical errors 		<p>Improved:</p> <ul style="list-style-type: none"> - Satisfaction - Effectiveness - Productivity - Communication
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