

HealthCare Infra is Obsolete & Broken!



There is a massive shortage of healthcare staff

Nurse: Patient

1:40

WHO Recommends

1:4

Specialist: Patient

1:5000+

WHO Recommends

1:500



And these ratios aren't getting better

SUCCESS MONEY WORK LIFE VIDEO



WORK

Covid has made it harder to be a health-care worker. Now, many are thinking of quitting

<https://www.cnbc.com/2021/05/31/covid-is-driving-an-exodus-among-health-care-workers.html>



Can you hear the alarm bells?

Can the technology help **bridge this** gap?



Dozee

Contactless Remote Patient Monitoring & Early Warning System



Any Bed + Dozee = Step-Down ICU

Creating e-ICUs anywhere within 5 mins at 20% the cost

Contactless

Heart Rate

Respiration Rate

Sleep

Heart Rate Variability

Sleep Apnea

DEWS

Extensible Accessories

Temperature

Blood Pressure

Oxygen Saturation

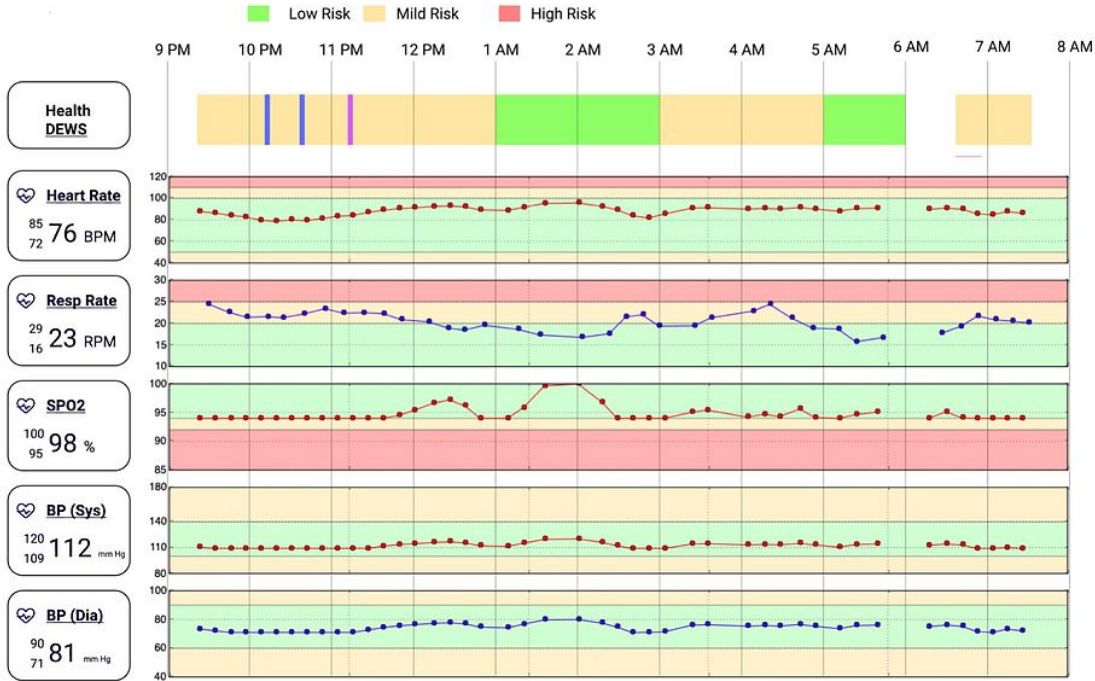
12L ECG



**With AI based
Predictive Health Risk Triaging**

Continuous Remote Patient Monitoring

Like never seen before - globally



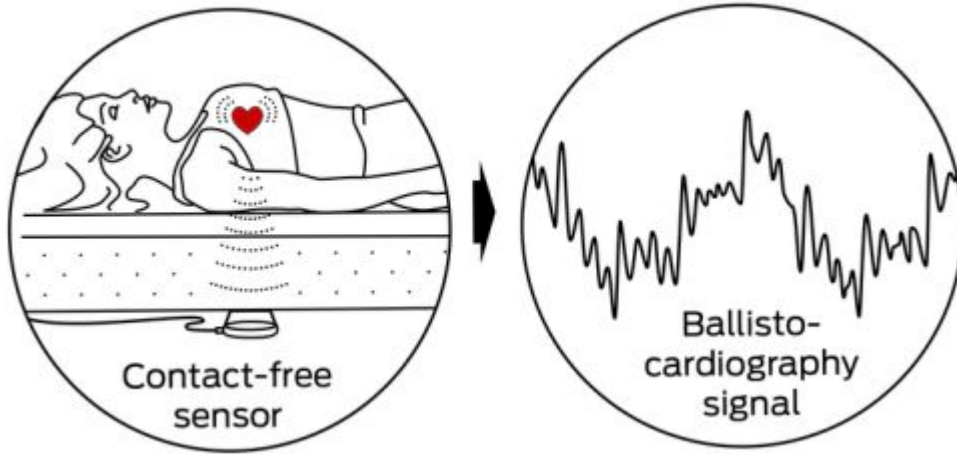
Ballisto Cardio Graphy

The core technology in Dozee is based on Ballistocardiography (BCG), a non-invasive technique of measuring micro-vibrations generated by cardiac contractions, respiration, body movements or other events like snoring, seizures, tremors etc.

Comparison to Plethysmography (sensors used in wearables)

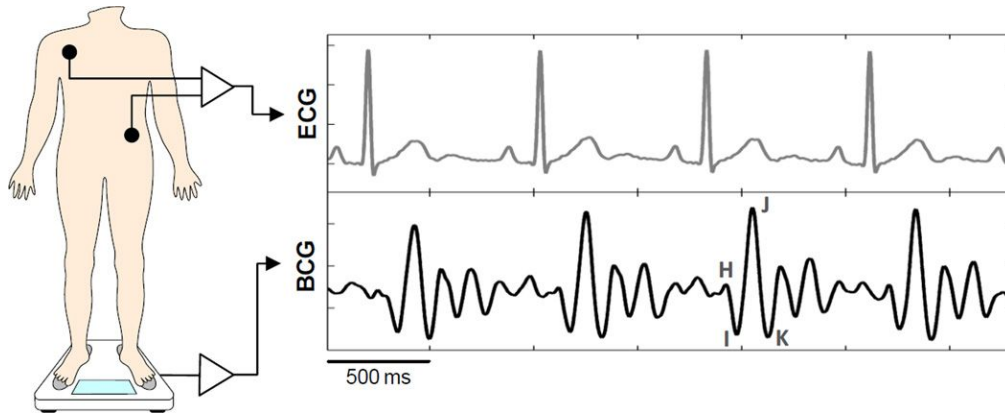
Placed closer to torso, BCG is more accurate and can obtain more clinical details like sleep apnea, heart-failure, arrythmia, measuring vibrations produced in each cardiac output and every respiration.





Ballistocardiography

- Technique of graphic representation of the movements of the body imparted by the ballistic forces (recoil and impact)
- Utilizing piezoelectric sensors to acquire the vibrations from the subject
- Characterization, analysis of the signals and applying filtering and clustering techniques to acquire heart rate (HR) and respiration rate (RR)



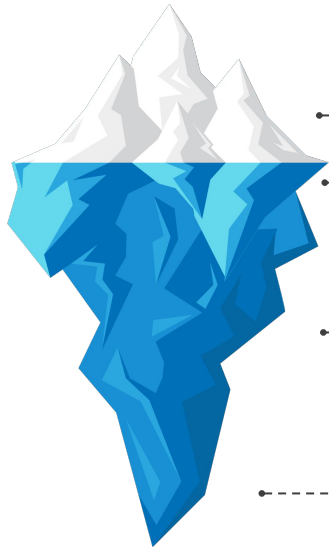
R&D Pipeline

Our Clinical
Partners &
Associations



Contactless Sensing + AI Algorithms = Innovation + Impact

that senses even your heart valve movements, placed under an 18 in mattress with **clinical grade precision.**



----- ● **Dozee** - vitals monitoring, alert system

----- ● **Coming Soon**

Daily Alert Cards

Touchless Blood Pressure Measurement

Touchless Apnea assessment

----- ● **Under Clinical Trials**

Left Ventricular Ejection Fraction - Heart Failure Warning System

Heart Failure Monitoring - Home management to help with chronic care management

Sleep classification

----- ● **Under R&D**

Touchless Arrhythmia Detection

Vascular Health Assessment

Valvular performance determination

Volumetric loop creation

Tremor + Seizure assessment

Respiratory Effort monitoring and characterization

Patient Triaging made super easy



Dozee Pro measures
vitals continuously

Monitor and get alerted on
smartphone app or web

Tangible Impact

Every Dozee saves ~1 nursing hour / day
Saves ~30-40 lives per year in a 100 bedded
Step-down Facility

DEWS: HIGH
12 (4 new)

DEWS: MODERATE
20 (6 new)

DEWS: LOW
89

Intangible Impact

Reduced human errors
Improved administration
Less stress on staff
Lesser chances of infection
Improved patient satisfaction

Effected 800+ successful ICU transfers in IGGMC Nagpur



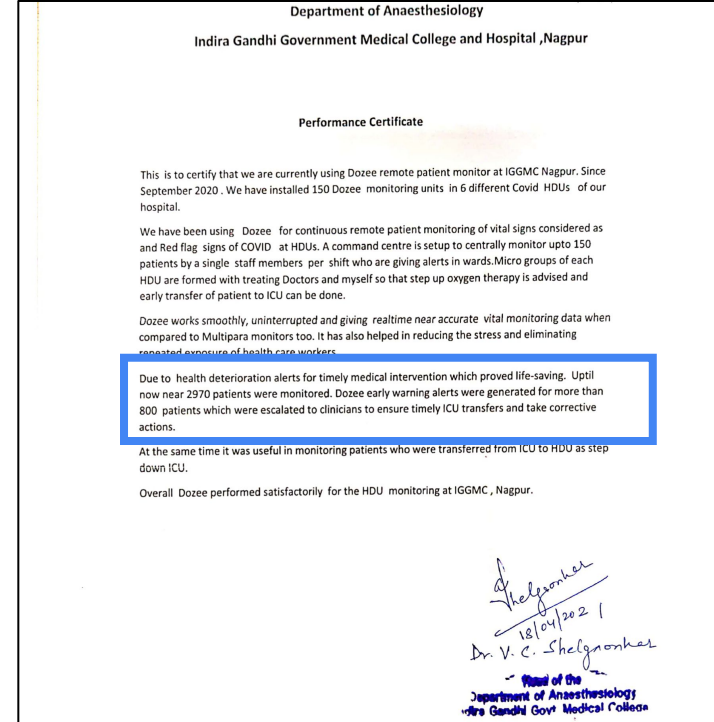
6 wards monitored remotely from the command center

[Watch video](#)

Nurse:Patient Ratio
1:150

Still best recovery rates in entire Vidarbha Region

Received Award for COVID response from Niti Ayog



Our Impact



“We have deployed Dozees at Army hospital to continuously monitor Covid-19 patients.

It watches over the patient even when doctor’s eyes are away. Dozee never sleeps!”

*- Lt Gen Dr. Madhuri Kanitkar
Highest Ranking Woman in the Indian Army*

Thank You

Questions?

Contact: gaurav@dozee.io

www.dozee.health
