

Wearable Device Platform for Remote Patient Monitoring

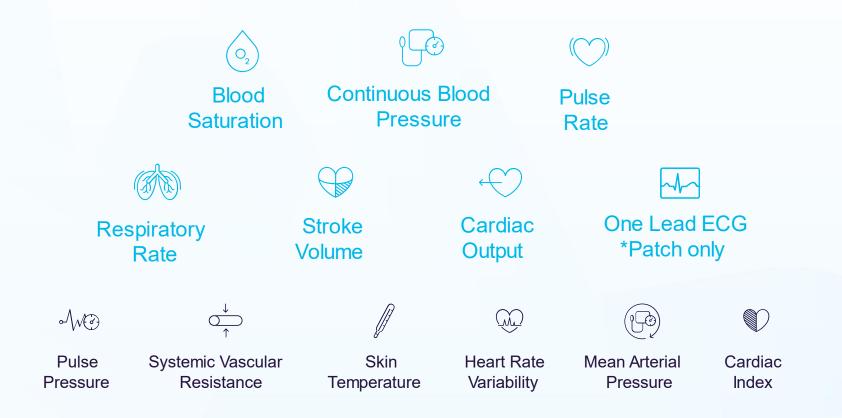


# Our disruptive technology





# Vitals and parameters





# Approvals and certificates



### Regulatory approvals



K190792

K181006



CE2972



Santé Canada Health Canada Additional regulatory approvals

- Thai FDA
- AMAR (Israel)
- Ministerio de Salud (Costa Rica)



Department of Health
Therapeutic Goods Administration





#### International work standards

- ISO 13485
- ISO 9001



#### Data security standards

- ISO 27001
- ISO 27799
- HIPAA Compliant
- GDPR Compliant



# **Our Products**

### Wrist-monitor

Long-term care



### **Chest-monitor**

Short-term care



### Management platform

Monitoring & Management





## Wrist-monitor – Long-term care





Chronic complex care remote monitoring



Nursing homes and assisted living



Research and pharma

Durable design for lasting and repeated use

Automated sampling



Charge duration of up to 2 hours

Battery life of up to 3 days of continuous monitoring



### Chest-monitor – Short-term care





Pre- and post-hospital monitoring



Ambulatory home monitoring

Disposable device for single patient use

Automated sampling



Extended battery life – up to 6 days of continuous monitoring

Clip-in, clip-out design (separate sensor and adhesive units)



# biobeat

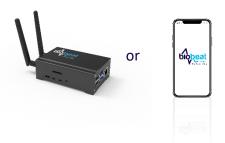
### End to end solution

### Four steps of implementation



#### 1. Wear

Biobeat's wearable devices automatically and continuously collect vital sign measurements



#### 2. Connect

Devices are connected to either Biobeat's Gateway or Mobile App (IOS/Android)



### 3. Transmit

The data is transmitted to our cloud (AWS), HIPPA and GDPR compliant



### 4. Observe

Data can be viewed by the medical staff through Biobeat's system, providing alerts on the patient's state and deterioration



# Web monitoring management platform







#### Department dashboard:

- Integration with local EMR
- Status overview
- General trends

#### Patient portfolio:

- Historical data
- Personal graphs and trends
- Medications, illnesses and treatment logs

#### Monitor screen:

- Real time measurements
- Customizable alerts for each vital sign
- ECG display (chest-monitor)

Optimized for and accessible through any web platform (mobiles, desktops, tablets, large monitors)



## Data driven and AI capabilities

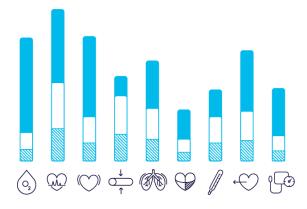
### Data generator

Biobeat's devices generate
millions of data points per
patient per day



### Big data

We have monitored more
than 6,000 patients to date
and created a large and unique
vital signs measurements
database



# Health Al-optimized application

Using AI & ML algorithms to analyze
the collected data, detecting early
clinical changes in vital signs as well as
pre-symptomatic deterioration for
prevention and early intervention





# The Biobeat data-driven web application

#### Personalized care

The patient data collected via

Biobeat's devices allows
healthcare practitioners to
adopt a data-driven
approach, wherever the
patient is located



### Data analysis

Optimization of data collection, providing medical staff the required clinical data instantly

### Decision support tool

Through access to real-time patient data, the Al-processed data provides insights into trends and patterns which brings efficiency into the process of healthcare delivery

### Early detection

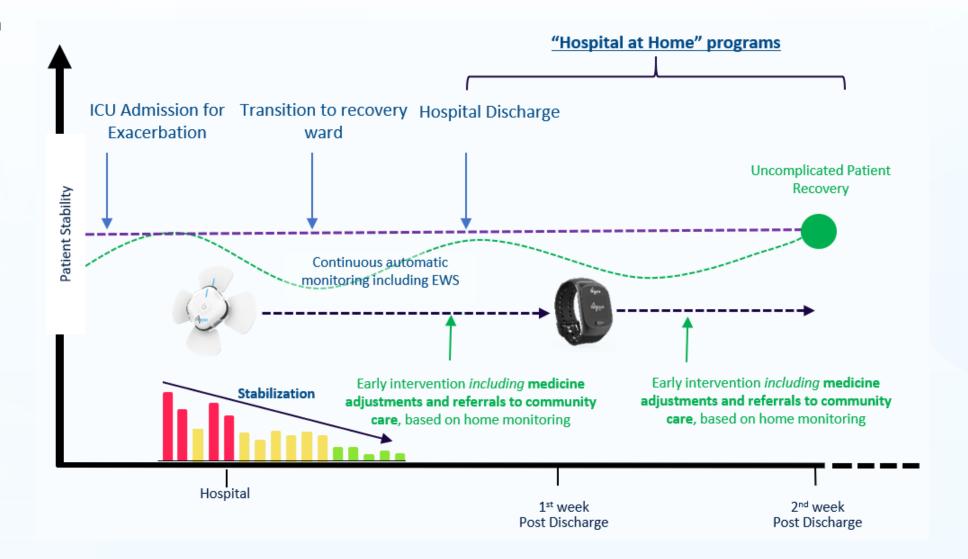
Providing an Early Warning
Score with customized
thresholds per patient and
scenario, able to identify
changes in vitals and alert
on high risk patients





# Future Patient Journey With the Biobeat Platform

Prevention of Exacerbation





# Specific ambulatory use cases

Biobeat has developed several ambulatory
applications based on the disposable chest-monitor

 This includes a complete report generated automatically at the end of the ambulatory test, transmitted to the health care provider





# A better user experience

### With Biobeat's ABPM platform:



Does not interfere with the patient's daily routine



Device can be worn discretely

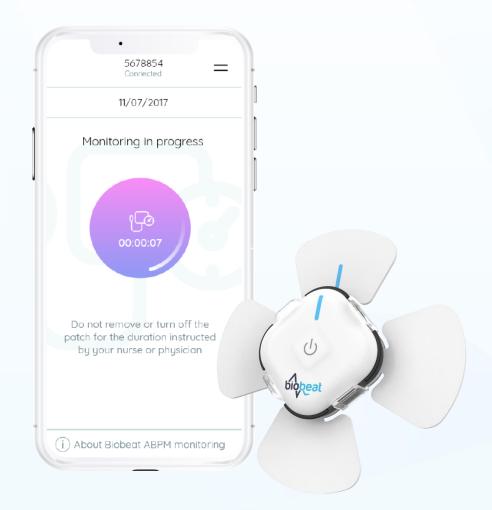


No need to physically meet a physician in order to conduct the tests



High availability

No waiting list





# Superior data analysis tools

### With Biobeat's ABPM platform:



Data is accessed from any web platform



Report automatically generated and analyzed



#### **Additional parameters**

(stroke volume, cardiac output, systemic vascular resistance, and more)



Data is interactively displayed in graphical form including trend analysis

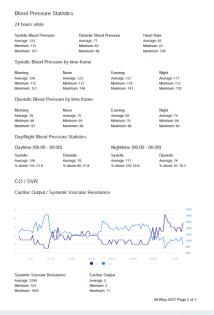


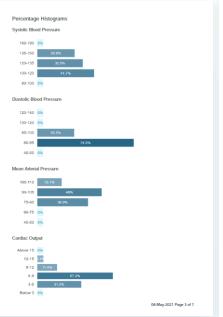
ABPM report screen



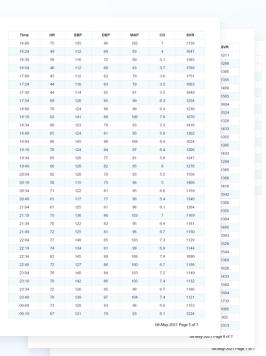
# **ABPM Report**













### **Global Clients**

### Over 50 health organizations

Pharma companies & CRO's













#### Healthcare providers























#### Additional clients

















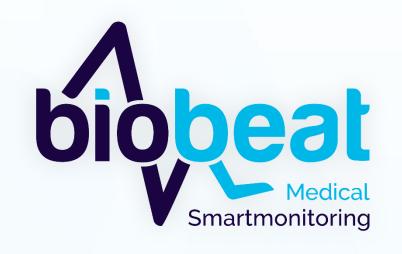












# Thank you!

For more information contact info@bio-beat.com

