



A SUSTAINABLE, SCALABLE AND COST-EFFECTIVE SOLUTION TO PROVIDE **DAILY** RURAL CLINICS AT REMOTE, SMALL OR TINY VILLAGES

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# RURAL HEALTHCARE: PAIN POINTS

- According to the census of India, 68.84% of Indians (around 900 million people) live in villages
- We have just around 25k government rural PHCs (rural clinics) with quite a number of them running short of manpower/equipment/ operational ambulances.
- Private healthcare in rural India is meagre, fragmented, irregular and of uncertain quality
- 236,004 Indian villages have a population of fewer than 500
- All villages DESERVE accessible, quality based healthcare every day of the week
- Yet, it is almost impossible to provide daily primary care OPDs and ambulances to each and every one of these small / tiny villages
- **As caring Indians, we therefore need to assist the government in this noble task**
- **And provide a robust, affordable, scalable and quickly implementable rural healthcare solution....which is The AmbuPod!**

# THE AMBUPOD<sup>®</sup> HEALTHCARE SYSTEM

A Mobile Rural clinic

A Telemedicine Node , 5G enabled

A Well equipped Ambulance

A narrow track vehicle

With Medical equipment,

Medical devices, Medical tests

And Medicines

With IT hardware and applications

Partnering with Airtel

With Medical manpower and backend support

**Aatmanirbhar Make-In-India Initiative**



\*GoI DPPIT Certified Startup



The **Honourable Prime Minister Shri Narendra Modi Ji** being explained the capabilities of the AmbuPod by Mr. Randeep Sekhon, CTO of our partner Airtel, while the Director of LYNK AmbuPod ,Dr. Lavanian Dorairaj, stands by to explain details (on 01 Oct 2022 at the IMC 2022, Pragati Maiden New Delhi)

## **The AmbuPod being inspected by the Prime Minister**

# CAPABILITIES

- **One AmbuPod can:**
- Provide **daily** services to 5 to 8 villages
- provide primary, preventive, palliative, chronic care and specialist referrals **every day** of the week
- work with partners to achieve the goal of providing every village with daily OP services\*
- provide emergency ambulance services to each village\*
- ensure early detection and transfer of serious cases to hospitals
- ensure smooth patient transfer to hospitals\*
- suit multiple scenarios and use-cases



# HOW AND WHY ARE WE DIFFERENT?

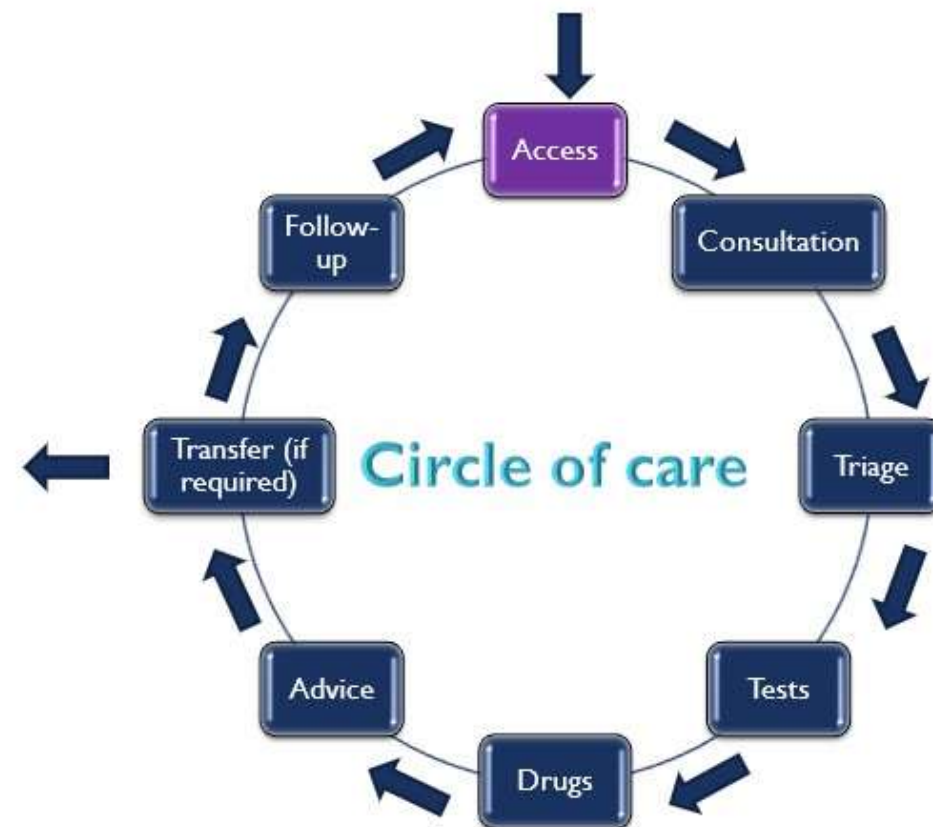
- We are not just a telemedicine provider, we provide the 'Circle of care', a comprehensive, end-to-end care package to each villager
- We provide daily services
- Services provided at a stone's throw from home
- We provide an ambulance with a response time of less than 15 minutes to each village that we cover\*
- Our services are extremely affordable – around US\$ 1 or less per service\*
- Can scale easily, to cover thousands of villages
- We are a socially responsible, for-profit entity
- Most importantly....we actually care.



\*Conditions apply

# WHAT IS THE 'CIRCLE OF CARE' ?

- The circle of care is a near-door-step, complete experience which consists of consultation, triage, testing, medication, advice, follow-up, and/or transfer\*
- This is 'Touch-and-feel' medicine plus telemedicine
- **In addition, we ensure:**
- Patient data stored on an interoperable and secure **EMR**
- telemedicine services as-per the **TPG2020**
- Upgradability (add on more capabilities)
- extremely affordability and scalability!



# THE AMBUPOD HEALTHCARE SYSTEM: DETAILS





## SCENARIO I: AMBUMANPAC<sup>©</sup>

- The AmbuManPac<sup>©</sup>
- A wearable kit that provides:
- Diagnostic tests and equipment
- Primary care medicines
- Telemedicine app and device
- Training and back-end Telemedicine physician support
- Ideal for a local to provide daily care (with telemedicine support) to a tiny village
- This can be put as a static setup in Sub-centers and PHCs



*Generic representation*

## SCENARIO 3: AMBUMOTOPAC<sup>©</sup>

- The AmbuMotoPac<sup>©</sup>
- A Scooter/mobile carriable kit that provides:
- Diagnostic tests and equipment
- Basic minimal emergency equipment and drugs
- Emergency patient evacuation\*
- Primary care medicines
- Telemedicine app and device
- Training and back-end Telemedicine physician support
- Ideal for a local to provide daily care (with telemedicine support) to small and tiny villages within 8-10 Kms

\*Optional: We can provide a special patient seating motorbike ambulance



*Generic representation*

## SCENARIO 4: AMBUPOD<sup>®</sup> AMBUCLINIC

- The AmbuPod<sup>®</sup> AmbuClinic
- A complete clinic and ambulance
- Diagnostic tests and equipment
- Basic emergency equipment and drugs
- Primary care medicines
- Emergency ambulance services
- Telemedicine app and device
- Training and back-end Telemedicine physician support
- Ideal for a local to provide daily care (with telemedicine support) to small and tiny villages within 10 -20 Kms



# THE AMBUPOD IS FULLY EQUIPPED

**Pulse-Oxy meter**  
**12 lead micro ECG machine**  
**Sphygmomanometer**  
**Stethoscope**  
**IR Non-touch Thermometer**  
**Electronic LED ENT Scope**  
**Electronic Dermascope**  
**Electronic Stethoscope\***  
**Peak flow meter**  
**Glucometer**  
**Covid test\***  
**Hb Tester**  
**Ultrasound Doppler Fetoscope**  
**Manual Suction Device**  
**Ambu-Bag**  
**Oxygen Cylinder and set**  
**Nebulizer**  
**Light-weight Stretcher**

**Weighing machine**  
**Height measure**  
**Tablet Computer**  
**LED Torch**  
**#Telemedicine Enabled**  
**#Cloud Apps**  
**#Live connect and Streaming**  
**Full HD Camera\***  
**#EMR**  
**IV Drips\***  
**Injectables\***  
**Medicines\***  
**Splints\***  
**Defibrillator\***  
**...and more**

\* Additional costs will apply

# Operational costs shall apply



# TESTS AVAILABLE#\*\*



1. Blood sugar F
2. Blood sugar PP
3. Urine sugar
4. Urine Sp gravity
5. Urine Blood
6. Urine leucocytes
7. Urine Nitrite
8. Urine Ph
9. Urine Ketones
10. Urine bilirubin
11. Urine Protein
12. Urine Albumen
13. Blood Hb
14. Urine pregnancy test\*
15. HIV test\*
16. HbV test\*
17. Malaria test\*
18. Dengue test\*
19. Chikungunya test\*
20. Blood grouping test\*
21. ECG 1 lead test
22. ECG 3 lead test
23. ECG 6 lead test\*
24. ECG 12 lead test\*
25. Eye Test - Distant vision
26. Eye Test - Close vision
27. Eye Test - Strabismus
28. Eye Test - Colour Vision
29. Eye Test - Astigmatism
30. Eye Test - Cataract
31. Hearing test
32. Audiometry test
33. Lungs Peak flow test
34. Non-invasive Jaundice Test
35. Height
36. Weight
37. BMI
38. O2 Saturation
39. Pulse
40. Blood Pressure
41. Respiratory Rate
42. Foetal Heart rate (pregnant women)
43. 0 to 5 years growth chart (male) India
44. 1 to 5 years growth chart (female)India
45. Tympanic Membrane visualization Test
46. Teeth visualization Test
47. Mouth Visualization Test
48. Nares visualization test
49. Arm and Leg muscle strength Test
50. Dehydration Test (adults and children)
51. Test for Clubbing and Paronychia
52. Covid RAT
53. Serum Cholesterol
54. Visceral Fat Level,
55. Body Fat &
56. Skeletal Muscle Percentage

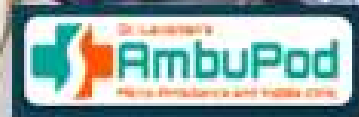




Ambu Bag

Oxygen

# Fully Equipped BLS/ALS\* Ambulance and clinic



Suction



12 lead Micro  
ECG Machine



ENT endoscope  
Electronic



thermometer digital  
Infrared non-contact



**Glucometer,  
Hb Strips,  
Covid\*, malaria\*  
Other tests**



Nebulizer



**Pulseoxy  
meter**

Equipment are subject to ch



Foetal HR Doppler

# THE AMBUAPP TELEMEDICINE SOLUTION (ASYNCHRONOUS)

- Specifically designed for Scenarios III and IV (as per the TPG 2020)
- A cloud based solution with an Android front-end and browser based hub client
- Hub works on Android, Windows and Mac
- Works on desktops, laptops, tablets and phones
- The spoke android native app works off-line and on-line
- The hub module is browser based and works in a pure cloud/Hybrid cloud/LAN/WAN configuration
- Built-in EMR
- Focused on structured clinical data capture and analysis
- Online Payments stub ready
- Built-in security powered by the google engine
- Can interoperate with any other HC IT application via HL7 FHIR/V2.x module connects
- ICD 10, SNOMED-CT and LOINC enabled
- ePrescriptions (as per TPG 2020)
- Touch and user friendly
- Directly acquire patient images in one click
- Can capture data from medical devices\*
- Plug-and-play ready for primary care
- Modularized and customizable for any speciality(s)
- Low training curve; On line-training

Aatmanirbhar  
Make-In-India Initiative



# LIVE STREAMING APPLICATIONS (SYNCHRONOUS)

- Doctor-Doctor\_Assistant-Patient Live Tele-presence\*
- Live streaming\* of
  - Ultrasound, Echocardiography
  - Endoscopy, electronic stethoscope
  - ECG, PFT, Doppler foetal HR
- Remote robotic arm manipulation\*\* (phase 2)



\*Require 5G. Can work in 4G with low frame-rate, low resolution , with possible lag, stutter or lost frames/buffering

\*\* 5G mandatory

## WHO ARE WE ?

### **LYNK AmbuPod Pvt Ltd**

Was incorporated in Feb 2017 as a private limited company at Pune, India now presently headquartered in Bangalore.

Its sole focus is to ensure delivery of affordable, quality-based healthcare and ambulance services to cities and villages especially in developing and under-developed countries, utilizing the patent (pending) AmbuPod.

LYNK has been officially certified a 'Start Up' by the DPPIT, Govt of India and is entitled to all tax breaks and perks of this position for the next 7 years.

# DIRECTOR – FOUNDER - INVENTOR



## Wing Commander (Dr.) Lavanian Dorairaj (retd) MBBS;

- **40+ years of experience**, possesses boots-on-ground capabilities wrt **Healthcare and** Healthcare Informatics
- Served more than two decades in the Armed Forces as a Medical Officer and later as Dy Director; adept at setting up and managing mobile medical units
- Has headed and managed healthcare needs at remote sites with populations ranging from 2,000 to 10,000 men, women and children
- In the Armed Forces 'Failure is NOT an option!' , all plans are well researched, risk analysed and risk mitigation processes put into place.
- Headed Telemedicine project implementation in India and globally for the telemedicine arm of the Apollo Hospital group, as Vice President
- As VP-Telemedicine for ATNF, Apollo Hospitals, worked with the government of India and successfully implementing telemedicine projects in India
- EVERY project carried out since 1997 has been implemented successfully
- Has been the member of Project Review & Steering groups of multiple projects by the Government of India
- Former Chairman HL7 India; Certified expert in HL7 and DICOM
- TSI certified Trainer in telemedicine and TPG2020



# SOME PROJECTS HIGHLIGHTS



महाराष्ट्र की प्रमुख स्वास्थ्य सेवाओं को डिजिटल बनाने का प्रयास कर रहा है।

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mHealth, Hardoi, UP

## जनपद में पायलट प्रोजेक्ट की शुरुआत

### टेबलेट के बाद अब इलेक्ट्रॉनिक हेल्थ कार्ड जारी

महाराष्ट्र की प्रमुख स्वास्थ्य सेवाओं को डिजिटल बनाने का प्रयास कर रहा है।

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Telemedicine, Kazakhstan



Telemedicine, Aizawl



Telemedicine Intel, Bangkok



Telemedicine talk Luxembourg



With Health Minister



mHealth, Hardoi, UP



Telemedicine, Srinagar



Telemedicine, Sikkim

# To summarize

**The AmbuPod Solution with its AmbuClinics is a sustainable, scalable, upgradable and cost-effective solution**

**It is socially responsible while being profitable**

**Villages can now easily and quickly acquire a clinic on demand and at affordable costs**

**Villagers can now decide on, and be in control of their healthcare needs**



**Come, work  
with us to give  
them a healthier  
and a brighter  
future....**





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