
Telehealth in Times of Disaster:

The Critical Role of Communications Satellites



Satellite. Solutions. The World.

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Secretary General

An aerial photograph showing a vast area of destruction. The landscape is covered in a thick layer of brown and grey rubble, debris, and twisted metal. Several buildings are visible, many of which are severely damaged or completely destroyed. A prominent yellow building with a blue roof stands out in the lower-left quadrant. To its right, a smaller building with a red roof is partially visible. In the bottom right corner, there is a body of murky, brown water. The overall scene conveys a sense of widespread devastation and vulnerability.

**When
Disasters
Strike,
Everything is
Vulnerable . . .**



... Including Communications Networks

Communication Satellite Networks

- *Rapidly Deployable*
- *Ubiquitous coverage*
- *Highly Reliable*
- *High Throughput*

Satcom relief during 2015 Nepal earthquake

Source: American Red Cross



Telemedicine from Field Hospitals

Connecting with
doctors in Japan
during the 2015 Nepal
earthquake

Source: International Federation of Red
Cross & Red Crescent Societies



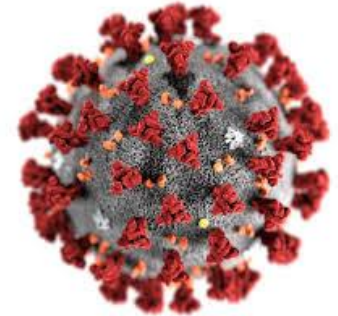
Mobile Hotspots

Satellite enabled
hotspots in Puerto
Rico following
2017's Hurricane
Maria

Source: American Red Cross



Examples of Industry Telehealth Responses to COVID-19



- **Hellas Sat** is providing free unlimited broadband connectivity to 127 public clinics and hospitals across Zimbabwe.
- **Inmarsat** is enabling nil-cost medical advice and assistance to ship crews and prioritising telemedicine service development with its application partners.
- **SES** is further developing its SATMED platform which is being made available by the Government of Luxembourg free of charge for the healthcare professionals' community in hospitals, remote medical centers and hospital ships in multiple locations across Africa and Asia Pacific.
- **Thuraya** is enabling augmented remote location solutions with its ambulance-to-hospital telemedicine system using its IP broadband terminals and satellite network.



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Thank You

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