



System and service disruption Challenges & opportunities

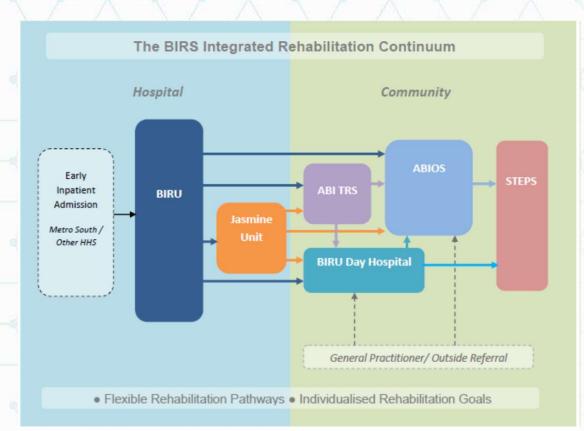
Bold ideas. Better solutions.

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Metro South Health Government

A joint initiative of the Division of Renabil Jadon, Metro South Health and Merzies Health Institute Ousensiand, Criffith University,

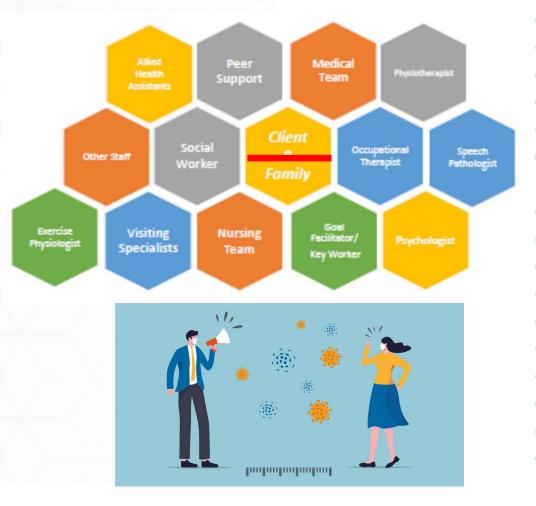
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Vision: To empower people with Acquired Brain Injury to participate in life

Person & family centred approach

- Support & adjustment
- Education
- Goal planning
- Therapy sessions
- Service transitions
- Discharge planning
- Education



Access

- Rehabilitation services inpatient beds, gyms, clinics
- Early rehabilitation intervention
- Border restrictions
- Hospital & health care avoidance impact on chronic disease
- Social distancing impact



Support networks

- Formal & informal
- NDIS responsiveness
- Demand on community rehabilitation services
 - Case management
- Self management skills programs
- Peer support



Frontline services

- Service delivery
- Staff wellbeing
- Planning
- Research
- Professional development
- Student education





The true creator is necessity, who is the mother of our invention



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Necessity – COVID-19

- 40 million cases
- Multi organ dysfunction
 - Respiratory
 - Cardiac
 - Renal
 - Neurological
- Mild COVID-19 illness \rightarrow major sequalae
- Indirect effects

An invader's impact

ince inus cases, SARS CoV 2 lands in the junes and can be deep tamage there. But the virus or the body's response to it, can in ure many other organs. Scientists are just beginning: in probable sucposed nature of that

1 Longs A more term SKRS COV 2 they mmine cells crowding at inflamed a sec u or prisad whose walls created as with created and during attack by the original diministrative sector uptake. Particular cough levers rise, and creativing becomes labored

2 Heart and blood vessels

The virus (Ida) enters cells. likely

enters be sinkey inducing these living fibers reasons to broug to any of enser-converting ensyme 2 (VC22) receptors on

the cell surface. Infection can also promote blood clots heart affects, and execution beneration

toothelia coll ASSC-162

3 Drain Some O AVD-35 patients have strates setures, contrasm, and brain intermediat. Declars are living to understand which and directly satured by the ships

4 Eyes Conjunctivitis, initial transition of the membrane that lines the front of the eye and innor eyeld is innore commonily the sideal order to

S Nose-6 note: Some attents use their sense of stroke Socielistic-predicts that the ways may move up the note/control endings and damage cells.

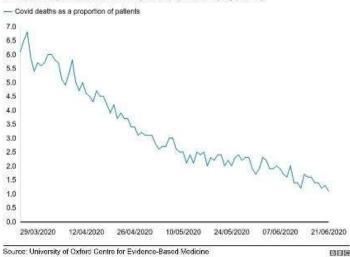
6 Liver Up to not of hospitalized patients have enes ne evels that signal a struggling laws. An immune system in over drive and decorgover to fight the virus may be reasong the decorget.

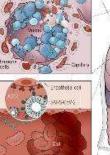
7 Kidneys Kidney damage is cartineen in even cross-and makes beel in more likely. The mus-may affast the bitty sciencity or kicney failare maybe cart of whole back events (Ne planning) lood arcisers.

S. Intesting Factors reports and blocky take suggest the virus can infect the overgast is need to tool, which is lich in ADES receptors. Some 20% or more of patients have diamtica.

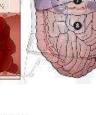
Covid death rate in hospitals

% of total hospitalised coronavirus patient population dying per day









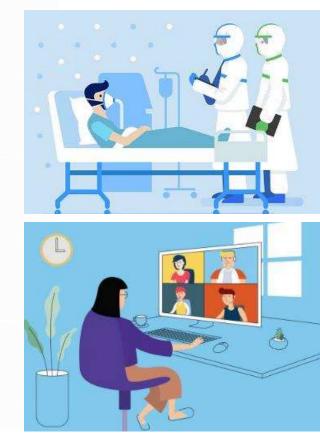
Technology

- An effective treatment, not a panacea
- Selection of clinical services to be delivered by telehealth
- Teamwork within & across rehabilitation services
- Access
 - Patients
 - Clinicians
- Reduced FTA



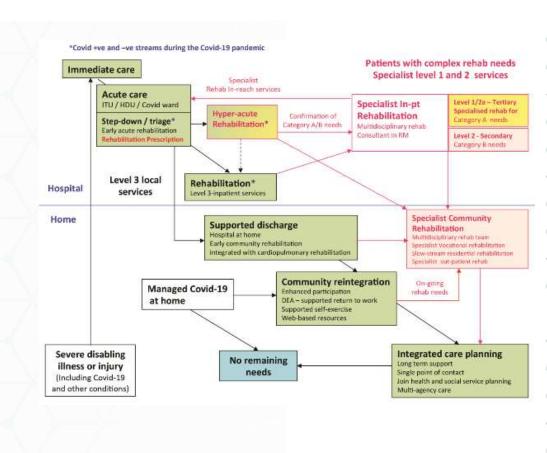
Rehabilitation delivery & design opportunities

- Flexible models
- Multi \rightarrow Inter \rightarrow Trans disciplinary shift
- Improved responsiveness
- Earlier coordinated intervention
- Focus on transitions



Opportunities

- Learning from colleagues •
- Preparation
- Growing evidence base





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Tele-Neuro-Rehabilitation in Italy: State of the Art and Future Perspectives

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Clinical study

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Rosaria De Luca, Maria Grazia Maggio, Antonino Naro, Simona Portaro, Antonino Cannavò, Rocco Salvatore Calabrò IRCCS Centro Neurolesi "Ronino Puleio". Messina, Italy



The Virtual Neurologic Exam: Instructional Videos and Guidance for the **COVID-19 Era**

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Mariam Al Hussona⁴, Monica Maher⁴, David Chan, Jonathan A, Micieli, Jennifer D. Jain, Houman Khosravani, Aaron Izenberg, Charles D. Kassardjian⁶, Sara B. Mitchell^{*}

