

FINAL REPORT Digital Health Workflow and Integration

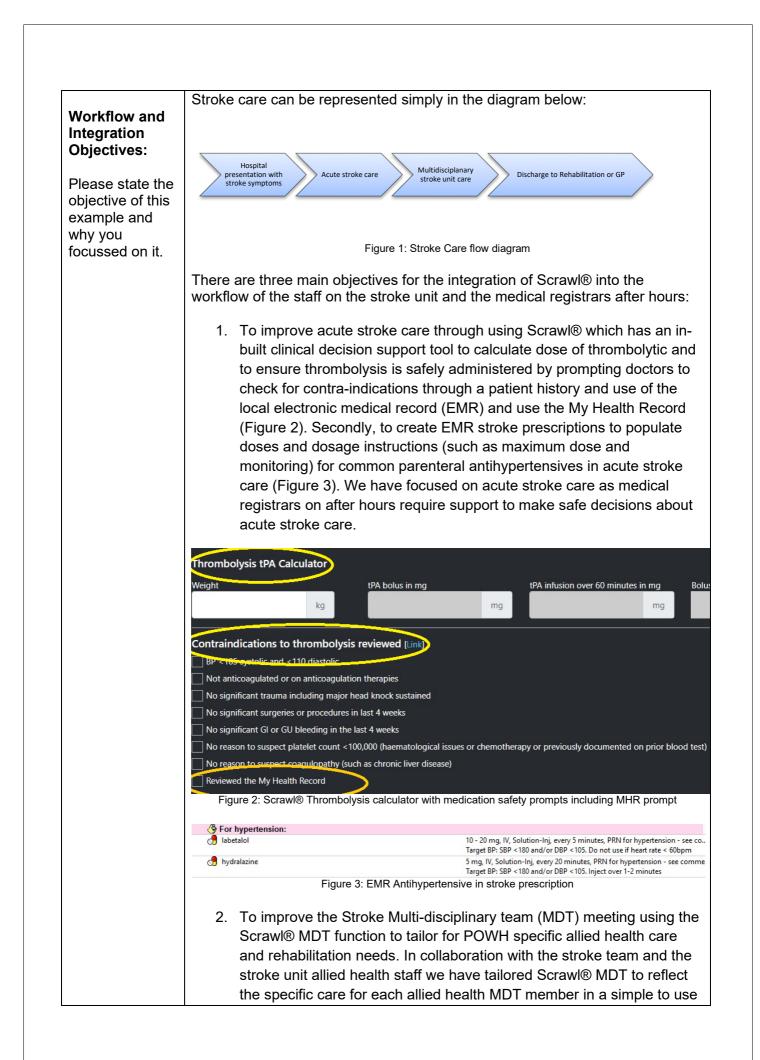
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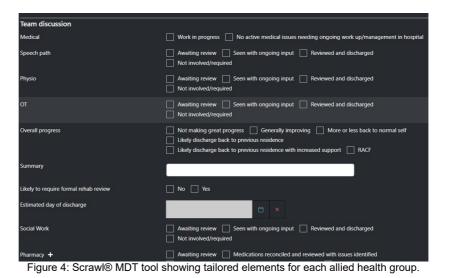
Bio: Dr Aaron Gaekwad is an aspiring neurologist. He is currently the stroke fellow at Prince of Wales hospital in Sydney. He has interest in stroke and health informatics and has a CHIA certification.

Name	Aaron Gaekwad
Report Date	14 th May 2021
Report Title	Stroke Workflow and Clinical Care Integration with an Online Stroke Clinical Platform

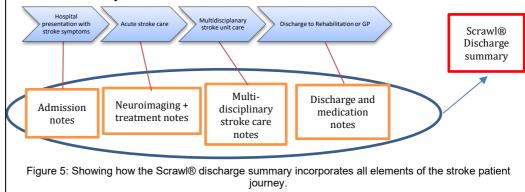
Lay Summary: Please provide a brief, plain English summary of	Stroke is the leading cause of disability worldwide. Patients who have a stroke have complex needs from the time they present to hospital to the time after discharge. Gathering important patient information for someone who is having a stroke can be challenging as they may be unable to communicate due to the stroke.
your Workflow or Integration example.	The Prince of Wales Hospital (POWH) comprehensive stroke unit has been integrating a stroke focused internet-based program to help doctors and other allied health staff care for stroke patients. We have also used current hospital systems such as electronic prescribing and use of the My Health Record (MHR) to ensure medications in stroke patients are safely and effectively administered.
	This internet- based program (named Scrawl®) is being used to complement our care to stroke patients by helping to choose the correct stroke medication at the correct dose, to effectively communicate with the whole stroke team about a stroke patients and to provide accurate communication to the general practitioner and other health professionals.



checkbox and free text format (Figure 4). Secondly, as a workflow example our stroke pharmacist is concurrently using MHR together with Scrawl® MDT to enhance MHR use for stroke unit care. We have focused on this aspect to improve MDT documentation and participation.



3. To improve stroke ward care through Scrawl® by using the daily review function to populate a detailed note on stroke related care including neuroimaging findings, stroke mechanism and National Institute of Stroke Scale (NIHSS) score. Scrawl® will generate a discharge summary that has all details of the stroke admission that can be used for outpatient follow up and communication to the general practitioner (GP) (Figure 4). We have focused on using Scrawl® during stroke ward care as it will provide a time friendly and thorough note for stroke care communication when there previously was no stroke specific discharge summary.



Benefits & Considerations : Please outline the benefits and considerations in the use of My Health Record and/or related digital health initiatives in this example.	 Use of an Online Stroke Clinical Platform (Scrawl®) has benefits for both the doctors using it and stroke patients. Benefits include: Improved acute care with clinical decision support for thrombolysis Support to engage doctors to use MHR Improved communication to GP and to other specialists through accurate and thorough Scrawl® discharge summary Improved ability to have a tailored, effective and collaborative Stroke MDT At this stage in its development an important consideration in the integration of Scrawl® to the POWH Stroke Unit is the requirement for on-going active use of the EMR and MHR by staff. Scrawl® is a complimentary IT platform and cannot be used in isolation at this stage. Implementation of Scrawl® requires a multi-modal approach with all staff stakeholders involved in its development and use. Scrawl® is not a prescribing program and concurrent EMR prescriptions have been developed to compliment Scrawl® so there is uniformity of approach for prescription of stroke therapies.
Additional Advice and Comments: Please list any items of interest which have arisen as a result of documenting this particular example.	Nil
Acknowledgem ents	Nil

Award Recipient Signature:

I certify that the information supplied in this report is true and correct. I consent to enquiries made by the Royal Australasian College of Physicians to verify this information with any institution or individual.

V

Signature:

Please submit completed and signed report to: RACP/ADHA Digital Health Scholarship <u>engage@racp.edu.au</u>