**PREP2 Support - Key Competencies**

This document is designed for staff involved in stroke care who are not directly responsible for prescribing and delivering upper limb rehabilitation. The wider clinical team involved at any stage in the rehabilitation journey (inpatient, outpatient, and community services) should be aware of PREP2 and its implications, to ensure a consistent, coordinated approach. Shared knowledge of PREP2 will help to reinforce the information shared with the patient and the management of their upper limb rehabilitation.

The competencies required will be different depending on your role. Ensure that you have discussed with your supervisor which competencies are relevant to you. The competencies related to using the PREP2 prediction tool are located in separate competency documents.

Agreed competencies are to be signed off by yourself and your trainer.

Bring this competency document to any training sessions.

**On completion of competencies:**

Copy to be retained by employee and healthcare organisation.

Once signed off, it is the responsibility of the trainee to ensure that skills are kept up to date, and opportunities to refresh skills and knowledge are sought on a regular basis

**PREP2 Support Sign off:**

*Organisation representative:* “I acknowledge that the trainee has successfully completed the required training to support PREP2 predictions in clinical practice”

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Signed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_

*Trainee*: “I acknowledge that I have successfully completed the required training to support PREP2 predictions in clinical practice”

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Signed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_

**Readings & Resources**

In addition to the listed readings and resources you are expected to look for some up to date literature and record this as you go.

Stinear C. (2010) Prediction of motor recovery after stroke *Lancet Neurology* 9(12): 1228-32.

Stinear C, et al. (2017) PREP2: A biomarker-based algorithm for predicting upper limb function after stroke. *Annals of Clinical and translational Neurology. 4(11): 811-820.*

Stinear C. (2017) [Prediction of motor recovery after stroke: advances in biomarkers](https://www.sciencedirect.com/science/article/pii/S1474442217302831). *Lancet Neurology* 16(10): 826-36.

Smith, M. C., Ackerley, S. J., Barber, P. A., Byblow, W. D., & Stinear, C. M. (2019). PREP2 Algorithm Predictions Are Correct at 2 Years Poststroke for Most Patients. *Neurorehabilitation and neural repair*, *33*(8), 635-642.

[www.presto.auckland.ac.nz](http://www.presto.auckland.ac.nz)

https://preptraining.auckland.ac.nz/

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| **Article Reference:** | **Key points:** |
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| **Required?**  **Y or N/A** | **Competency** | **Measurement** | **Relevant self-directed learning module** | **Self-sign off & date** | **Trainer**  **Sign off & date** |
| --- | --- | --- | --- | --- | --- |
|  | Can describe the PREP2 prediction tool, indications for use and exclusion criteria | * Pre-requisite reading completed (see log) * Can describe PREP2 prediction tool * Can discuss indications for use & exclusion criteria | Introduction to PREP2  Section completed |  |  |
| Introduction to PREP2  Quiz passed |  |  |
|  | Demonstrates knowledge of PREP2 prediction categories & their use | * Can describe **‘Excellent’** & **‘Good’** predictions * Can accurately identify which patients can be given an **‘Excellent’** or **‘Good’** prediction on or before day 3 post stroke * Can describe **‘Limited’** & **‘Poor’** predictions * Can accurately identify which patients can be given an **‘Limited’** or **‘Poor’** prediction | PREP2 Prediction Categories  Section completed |  |  |
| Advice for Supporting PREP2 Predictions  Section completed |  |  |
| Supporting PREP2 Predictions  Quiz passed |  |  |
|  | Demonstrates clinical skills in supporting PREP2 prediction categories | * Can discuss and answer questions appropriately regarding a patient who has been given an **‘Excellent’** prediction * Can discuss and answer questions appropriately regarding a patient who has been given an  **‘Good’** prediction * Can discuss and answer questions appropriately regarding a patient who has been given a **‘Limited’** prediction * Can discuss and answer questions appropriately regarding a patient who has been given a **‘Poor’** prediction | Case Examples  Section completed |  |  |
| FAQ  Section completed |
|  | Demonstrates knowledge of local process relating to PREP2 | * Able to locate prediction information in the patient’s clinical file * Aware of PREP2 resources available * Can identify key staff members to contact for information related to PREP2 or the patient’s prediction | N/A – practical assessment only |  |  |