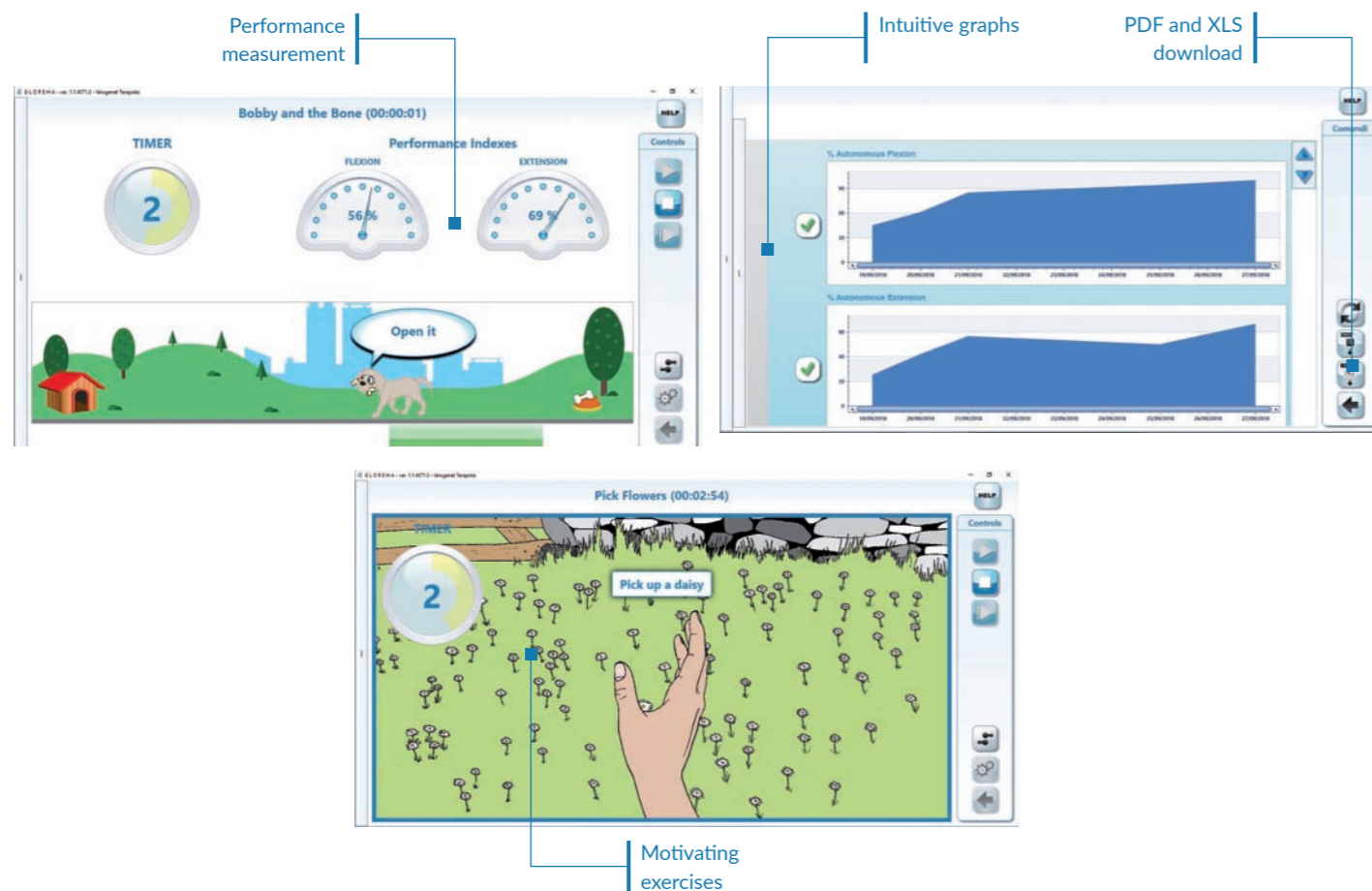


ACTIVE ASSISTED MOBILIZATION

During these exercises, the patient is instructed to independently start the motor task (flexion and extension of the fingers) and if unable to complete the exercise the robotic glove will provide assistance

only when necessary.

The software offers exercises that guide the patient during therapy to clear objectives using intuitive graphics to motivate the patient to do his best and to overcome the tasks required.



- Performance indexes give immediate feedback on the degree of autonomy of the patient in flexion and extension
- The data of each session can be viewed in intuitive graphs and can be exported to a pdf/excel file to monitor the patient's progress
- The therapy can be oriented towards functional recovery thanks to exercises that involve interaction with real objects
- The software offers a high degree of customization of the exercise: the therapist can set different parameters and vary the level of difficulty

"Assist-as-needed" (AAN) training paradigm via robotic training devices may be more involving and effective in case of partial motor skills.



The application of an active-assisted robotic treatment limits the drawbacks of compensatory strategies that lead to learned non-use phenomenon of the affected upper limb.

Adaptive therapies make the exercises always more challenging by exploiting the partial motor skills of the patients.

