

Kinesis Web Portal

USER GUIDE

VERSION 1.1

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Introduction

Kinesis Health Technologies web portal - a secure, integrated dashboard to provide monitoring and access to customer data, sophisticated queries and analysis as well as device and user management. We support administrative and standard user-based access, with data access privileges granted only to appropriate roles. The dashboard allows auditing of clinical effectiveness of fall prevention programme including longitudinal analysis of patient data.

The web portal offers the following core features:

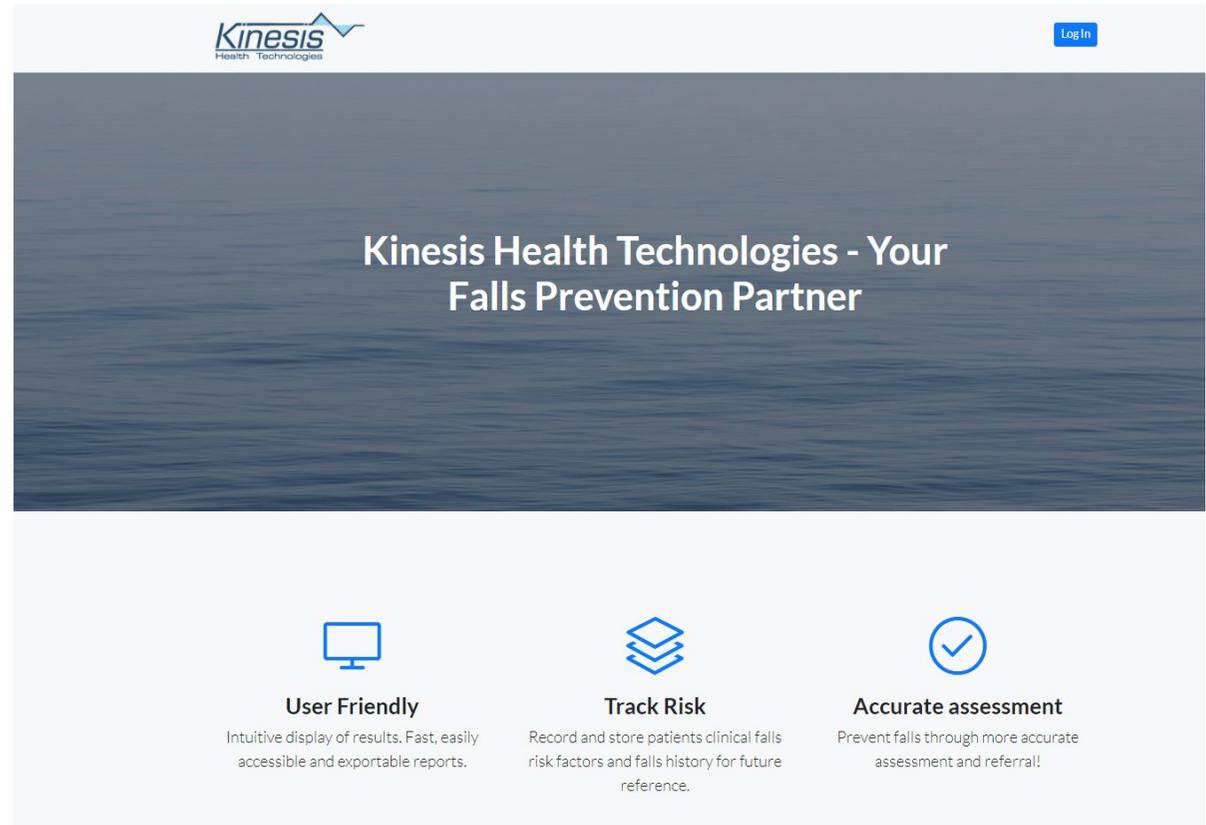
- Analytics dashboard
- Custom queries of patient data
- Secure user login management
- Export patient data in PDF and Excel formats
- Device and user view administration

The Kinesis web portal is designed to complement the Kinesis QTUG™ and Kinesis Gait™ products, Class I (Exempt) medical devices under the FDA Quality System Regulations (QSR) and the EU Medical Device Regulations (MDR 2017/745). QTUG™ is also compliant with the Health Insurance Portability and Accountability Act (HIPAA) privacy and security laws as well as the EU General Data Privacy Regulations (GDPR).

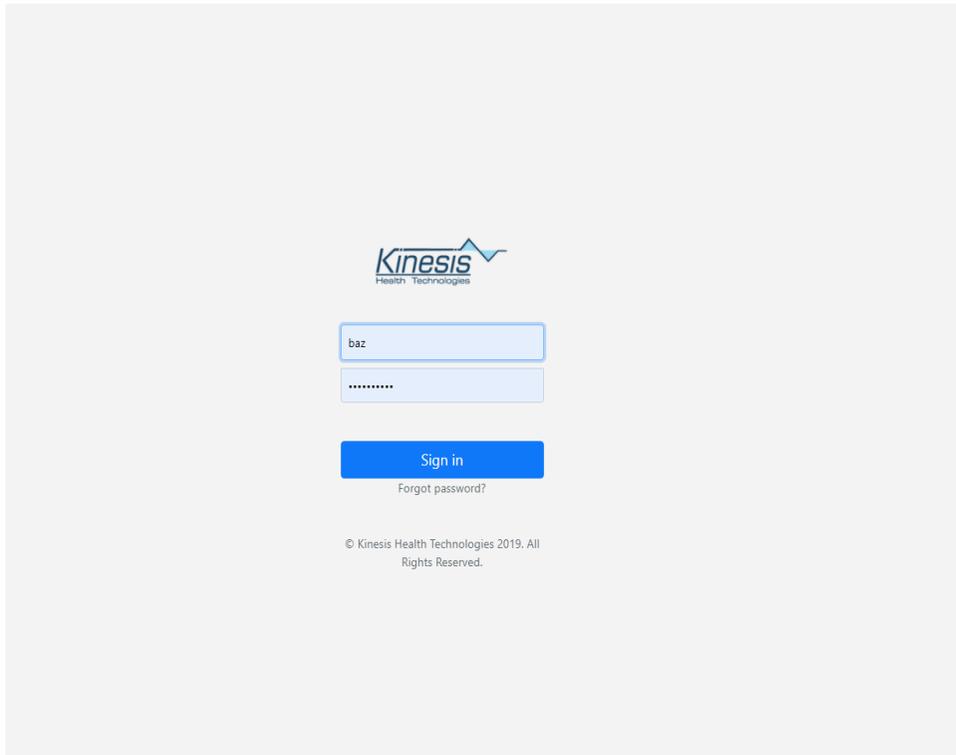
The user guide for both products can found on the Kinesis website: <https://www.kinesis.ie/support>

User Authentication

The web portal requires user login and authentication. This ensures secure login and management of all users of the system. A user is defined as a person using the software in a professional capacity. A patient is defined as the person being assessed by Kinesis QTUG™ or Kinesis Gait™.



Each user must register with Kinesis by emailing support@kinesis.ie. User login will be the email address supplied (or a username) and a first-time login password will be supplied. Passwords can be reset and changed through the application as required.



User roles

The web portal implements role-based access for two user roles as follows:

- a) **Admin:** Access to all data and information and admin tab for a given company/organisation, only assigned people within company/organisation have this right.
- b) **User:** Only access to data recorded by this user for a given company/organization.

Role-based access is implemented as follows:

- **Company admins** will have access to device view for your company.
- **Company admins** will be able to see all patient data for your companies' patients.
- **Company admins** will be able to see all users (user view) for your companies.
- **Individual users** (User) will only have access to patient data obtained under their credentials.
- User profile screen will display user details from database.

Organizational overview

The web portal homepage provides an organisational overview, with summary data for all patients in an organization. Detail provided include gender and age breakdown as well as average falls risk estimate values, average frailty estimate values and average gait speed. See product user guides for additional detail on measures calculated by Kinesis Gait™ and QTUG™.

Data analysis

Customised queries on patient data are available on an organisational basis. Queries can be filtered by parameter type as well per location, zip/post code, user and patient along with appropriate date ranges. Access to data is role based, only authorized users can see data for a given patient. Results of each query can be exported in both Excel and PDF format.

Cohort data in organisation
You are here: Dashboard

Filter data

Show parameter(s)
Select one or more parameter(s)=

from start date: 2019-05-16
to end date: 2019-05-20
Apply Filter

User: Select User
Patient: Select Patient
Location: Select Location
Zip/Postcode: Select Zip/Postcode

| ID | Kinesis S.N. | Serialnum | User ID | Patient ID | Gender | Height | Weight | Age | Timestamp | Location | Mobility aid | Have you had any falls in the last 12 months? | How many times? | Have you had any problems walking or moving around? | Are you taking four or more prescriptions with your blood pressure dropping when you stand up? | Do you have any problems with your blood pressure from a sitting position? | Have you had any dietary changes in your ability to stand up or manage your routine activities in the home? |
|----|--------------|-----------|---------|------------|--------|--------|--------|-----|------------|-------------------|--------------|---|-----------------|---|--|--|---|
| 1 | 852182246A2 | baz | 1234 | | Male | 182.0 | 78.0 | 75 | 2019-05-19 | Residential care | No | N | 0 | N | N | N | N |
| 2 | 852182246A2 | baz | 4567 | | Female | 166.0 | 74.0 | 74 | 2019-05-19 | Home | No | | | | | | |
| 3 | 852182246A2 | ingrene | 1234 | | Male | 182.0 | 78.0 | 75 | 2019-05-19 | Subacute facility | Walking cane | N | 0 | N | N | Y | Y |

Showing 1 to 5 of 5 entries

Export to CSV | Export to Excel

Organisation overview
You are here: Overview

Patient demographics

Population by gender: 4 (2 Male, 2 Female)

Population by Age/Gender: 0-10 (0), 10-14 (2), 15+ (0)

Number of patients: 4
Number of male patients: 2
Number of female patients: 2
Number of company assessments: 5

Avg. TUG time: 15 sec
Avg. Falls risk estimate: 62%
Avg. Frailty estimate: 50%

Clinical falls risk estimate: 42%
Sensor fall risk estimate: 71%
Clinical frailty estimate: 37%
Sensor frailty estimate: 62%

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Individual patient data

To examine all data for a given client or patient, the patient overview panel will list summary information for all assessments for a given patient.

The screenshot shows the patient overview panel for patient 543216. The interface includes a navigation bar with 'OVERVIEW', 'PATIENTS', 'DATA', and 'LOG OUT' options. A dropdown menu shows the patient ID '543216' and an 'OVERVIEW' button. The main content area displays the date and time of the assessment: 'Tue, 02 Jul 2019, 14:57'. Below this, there is a breadcrumb trail: 'You are here: Patients => 543216 => Tue, 02 Jul 2019, 14:57'. A table titled 'Overview' shows a list of assessment results for the date '02 Jul 19, 14:57'. The table has columns for 'Results', 'Value', and 'Unit'. The results are as follows:

| Results | Value | Unit |
|------------------------------------|--------------|-------------|
| Combined falls risk estimate (%) | 0 | (%) |
| Clinical falls risk estimate (%) | 0 | (%) |
| Combined frailty estimate (%) | 0 | (%) |
| Clinical frailty risk estimate (%) | 0 | (%) |
| Falls risk estimate (%) | 56 | (%) |
| Frailty estimate (%) | 44 | (%) |
| Mobility Risk Scores | Value | Unit |
| Symmetry score (%) | 36.4 | (%) |
| Transfer score (%) | 66.3 | (%) |
| Turn score (%) | 40.5 | (%) |
| Speed score (%) | 41.4 | (%) |
| Variability score (%) | 58.1 | (%) |
| Temporal gait parameters | Value | Unit |
| Number of gait cycles | 5 | |
| Number of steps | 10 | |

The screenshot shows the patient overview panel for patient 1234. The interface includes a navigation bar with 'ADMIN', 'OVERVIEW', 'PATIENTS', 'DATA', and 'LOG OUT' options. A dropdown menu shows the patient ID '1234' and an 'OVERVIEW' button. The main content area displays the title 'Patient 1234 overview' and a breadcrumb trail: 'You are here: Patients => 1234'. Below this, there is a 'Patient details' section with the following information:

- Gender: Male
- Date of birth: 31 Dec 1943
- Height: 182 cm
- Weight: 78 kg

Next to the patient details is a table titled 'Assessments for patient 1234' with columns for 'Assessed on', 'TUG time', 'Falls risk est.', and 'Frailty est.':

| Assessed on | TUG time | Falls risk est. | Frailty est. |
|-------------------------|----------|-----------------|--------------|
| Wed, 19 Jun 2019, 15:08 | 20.8 sec | 70% | 60% |
| Wed, 19 Jun 2019, 15:04 | 12.0 sec | 25% | 32% |

At the bottom of the panel, there are buttons for 'Export to Excel' and 'Export to PDF'. The footer contains copyright information: 'Copyright © Kinesis Health Technologies Ltd.', 'Load time: 0.05 sec', and 'E: support@kinesis.ie | P: 00 253 1 716 5402'.

To examine data for an individual patient assessment, a user can click through from patient overview into an individual patient assessment. Individual and overview assessment results can be exported in PDF format.

Device and User Administration

Manage your organisation

You are here: Dashboard

Company: KINESIS HEALTH TECHNOLOGIES

My Account: [redacted]@gmail.com

6 devices purchased

| Serial number | Software version | MAC Address | Kinesis ID | Date shipped | License | Due Date |
|---------------|-------------------|-------------------|-------------|-------------------------|---------|----------|
| R52FB1JELMA | QTUG 3.0 UK - INT | 00:F4:6F:1B:A0:1F | NA | Tue, 30 Apr 2019, 15:12 | | |
| R52HB22490E | QTUG 3.0 UK - INT | 84:B5:41:37:0D:7E | KIN00000000 | Wed, 01 May 2019, 15:05 | | |
| R52HB14CYLL | QTUG 3.0 UK - INT | 84:98:66:96:E7:6D | NA | Mon, 13 May 2019, 19:02 | | |
| R52F707MD1Z | QTUG 3.0 UK - INT | 30:C7:AE:05:53:50 | | Tue, 14 May 2019, 12:27 | | |
| R52HB224EEE | QTUG 3.0 UK - INT | 84:B5:41:37:0E:DD | KIN11180011 | Fri, 14 Jun 2019, 13:26 | | |
| R52HB224EAZ | QTUG 3.0 UK - INT | 84:B5:41:37:0E:DC | | Thu, 20 Jun 2019, 10:18 | | |

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Your organisation must specify at least one admin user and supply email addresses for all users to facilitate account creation. To register additional users or admin users contact support@kinesis.ie.

To add new assessment locations or register new devices contact support@kinesis.ie.

Admin users can monitor and maintain all registered devices for their organisation through the admin panel. This includes data on software version and tablet device as well as licensing information.

All devices and users for the organisation are listed as are relevant Downloads and Support materials.

User Management

You are here: Dashboard / Users

bgreene

baz

bgreene

Name
Surname
Telephone
Email barry.greene@kinesis.ie

User Log

Date Log Log Report

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Data Security Regulatory Compliance

Kinesis Health Technologies QTUG™ and Kinesis Gait™ products comply with data security and privacy regulations in our target countries. Data is encrypted in transit and at rest both on the collecting device (source) and the final data storage platform (destination). Personal identifiable information is only accessible to persons with a validated user account. Each account limits access to specific data.

However, all data exported from the Kinesis Gait™ and Kinesis QTUG™ applications are not encrypted and therefore must be treated as confidential and managed as per the customers own data privacy policies.

For further information please see our privacy policy at <https://www.kinesishealthtech.com/privacy-policy>