Auto Train Brain

CLINICAL LAYER · FOR INSTITUTIONS AND CLINICIANS

ATB Desktop
Clinician Guide

Windows 10/11 · macOS 12+ v1.9.0

For version 1.9.0 · November 2026
HMS Health Mobile Software A.Ş. · Auto Train Brain Inc.
info@healthmobilesoftware.com · autotrainbrains.com/indir

Contents

01	About this guide and responsibilities	3
02	System architecture	4
03	Getting access, step by step	6
04	Subscription and pricing	7
05	Installation and requirements	8
06	Clinical-mode access: verification and agreements	9
07	Institution and clinician accounts	11
08	Clients: invitation, link and file	12
09	Measurement and EDF import	14
10	Assessments and psychometric scales	16
11	AI protocol suggestions	17
12	Protocol library	18
13	Plans and home use	19
14	Longevity suggestions	20
15	Report approvals	22
16	Monitoring: adherence, reports and events	23
17	Family side and mobile apps	24
18	Data protection and security	25
19	Troubleshooting	26
20	Support and contact	27

NOVEMBER 2026 UPDATE (V1.9.0)

21	What's new in this version ●	28
22	Clinical modules and the client list ●	29
23	Longevity AI: quick assessment ●	30
24	Auto Train Brain programme and subscription ●	31
25	Digital twin hologram ●	32
26	Face photo and EyeZenith data ●	33
27	Family plan PDF ●	34
28	Supported EEG headsets and integrations ●	35

The Longevity suggestions flow in chapter 14 is extended by the new Longevity AI module described in chapters 22–27.

01 About this guide and responsibilities

The **Clinical Layer** of ATB Desktop is a software layer that lets verified clinicians manage client files, record EEG or import EDF recordings, enter test and lab results, review and approve AI draft suggestions, and send approved plans to the family's devices.

This guide is for institution administrators and clinicians. Screen names and button labels match the app's English texts; buttons are shown `like this`. Screenshots are taken from the real app with demo data.

Responsibility and intended use

- **Clinical responsibility rests with the clinician.** All decisions on assessment, indication, protocol choice, delivery, follow-up and communication with the family are made by the clinician.
- **HMS is a software provider**; it does not provide medical services, does not diagnose and does not make clinical decisions.
- **No medical-device claim.** ATB Desktop and the Clinical Layer are not offered as a medical device; on the family side they are positioned as a wellness product. They are not for emergencies or vital-sign monitoring.
- **AI outputs are drafts.** Protocol suggestions, longevity suggestions and report drafts are prepared for the clinician's review; nothing reaches or is applied to a client without clinician approval.
- **Evidence gate.** The longevity engine suggests only methods whose evidence gate is open; weak-evidence methods are never suggested and prescription interventions are never suggested.
- Norm data come from limited populations; every comparison shows its source, age group and device.

Scope

In this version the Clinical Layer is offered to institutions in Turkey. Clinical screens are shown in Turkish and English (English for other interface languages). This guide is based on desktop version 1.3.7; the Longevity tab and the EyeZenith section ship with newer versions.

02 System architecture

The Auto Train Brain ecosystem has four parts: **ATB Desktop**, used by clinicians and families; the **mobile apps** families use at home; the **cloud server** operated by HMS (autotrainbrains.com); and the **web reports** where families and clinicians open reports. All data are stored on HMS servers; devices are synchronised through the server.

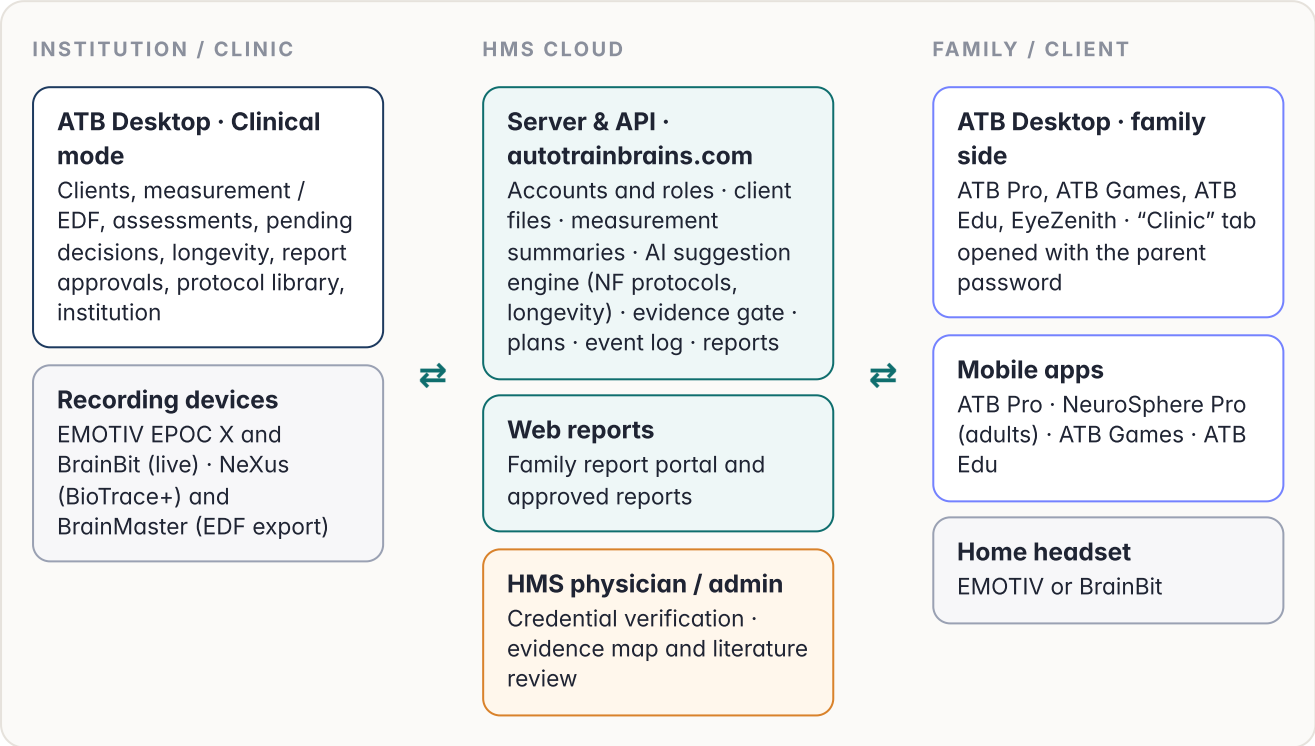
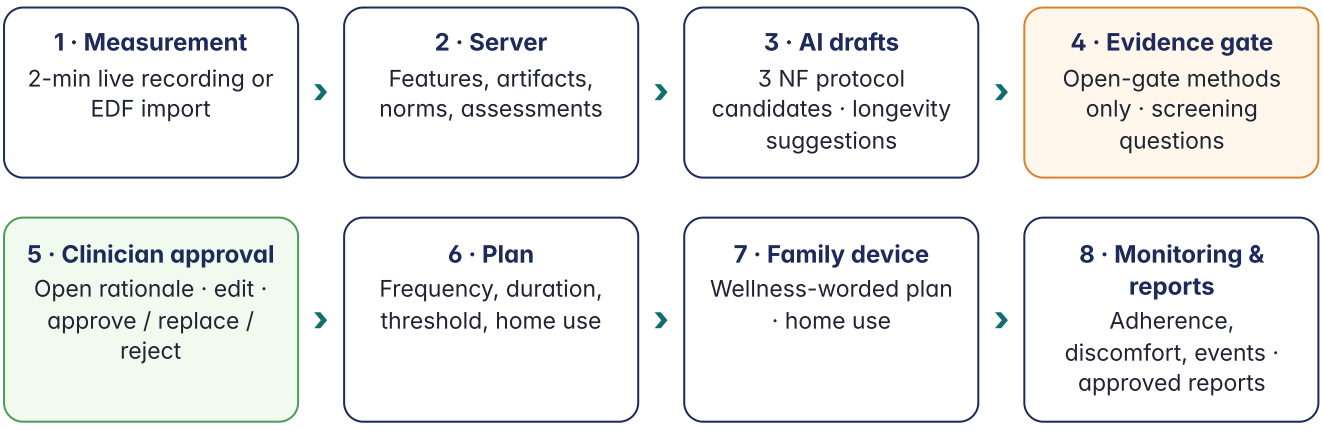


Figure 1 — Components. Clinician and family never send data directly to each other; everything passes through the HMS server and is governed by role, agreement and approval rules.

Data flow



The loop is closed: home sessions, family logs and discomfort reports return to the server, appear in the client file and, together with new measurements, feed the next suggestion.

Roles

Role	Permissions
Institution administrator	Accepts the institution agreements (KL-01, KL-02), creates clinician accounts and sees the institution's clinical settings. In clinical mode also sees the **Institution** tab.
Clinician (physician, psychologist, neurotherapist)	After HMS verifies credentials and the agreements are accepted: invites clients, records measurements, enters assessments, approves drafts and creates plans. Protocols and methods that require physician approval can be approved only by a physician.
Technician	Helps with measurements and records; **cannot approve**.
Client / family	Accepts the invitation; views and follows the plan with the parent password; reports discomfort; can end the connection at any time. Sees wellness-worded content only.
HMS physician / admin	Verifies clinician documents; reviews the longevity evidence map and samples of the literature pipeline and opens or closes evidence gates. Takes no part in client clinical decisions.

Where data are stored

Client, measurement, assessment, plan, event and report records are stored on HMS servers. Family activities that use the camera or microphone process video and audio on the device and never send it. For EDF imports, raw EEG is not stored; feature and quality summaries are.

03 Getting access, step by step

For clinicians and institutions

1. **Download.** Get the Windows or macOS (Apple Silicon / Intel) installer from autotrainbrains.com/indir and install it (see Installation).
2. **Get your account.** Institution and first clinician accounts are opened by HMS: send your full name, institution, profession, diploma/licence number and e-mail to info@healthmobilesoftware.com. The institution administrator later creates further clinician accounts in the `Institution` tab.
3. **Sign in.** Sign in to ATB Desktop with the username and temporary password you receive. The **15-day trial** starts at your account's first desktop sign-in.
4. **Send your credentials.** Your diploma, specialty and registration/certificate documents are sent to HMS separately. Clinical mode stays closed until verification is complete.
5. **Accept the agreements.** Open the `Clinic` tab in the left menu; on **Clinical mode agreements** read each document to the end, confirm each one separately and click `Activate account`.
6. **Clinical mode opens.** The Clients, Pending decisions, Longevity suggestions, Report approvals, Protocol library and Measurement / EDF tabs become available.

For clients and families

1. **Account.** The family needs an ATB account (created free in the ATB mobile app or opened by our sales team).
2. **Invitation.** The clinician types the family's username in the `Clients` tab and clicks `Send invite`.
3. **Family consent.** The family sees the invitation on the ATB Desktop home screen or in the mobile app, ticks the data-sharing consent, enters the **parent password** (account password) and clicks `Accept`. The link becomes “Active”.
4. **Signing in to the apps.** The family installs ATB Desktop from autotrainbrains.com/indir or the mobile apps (ATB Pro, NeuroSphere Pro, ATB Games, ATB Edu) from the stores and signs in with the **linked account**. The approved plan appears in the “Clinic” tab and on the ATB Pro / ATB Games screens.

When the trial ends

On the desktop, “Your free trial has ended” appears and the payment page opens in the browser. Once the subscription starts, you continue with the same account; no data are deleted.
`I have paid — check again` refreshes the status immediately. If the institution's Clinical Layer subscription is not active, clinical mode closes with “The Clinical Layer subscription is not active for your institution.”

04 Subscription and pricing

After a **15-day trial**, the Clinical Layer is offered as a monthly SaaS subscription billed monthly through Stripe. The plan depends on the number of clinician users in the institution:

Up to 5 users	Up to 10 users	Unlimited users
100 USD / month	**200 USD** / month	**500 USD** / month
Small practices and individual clinicians	Mid-size clinics	Centres and clinic groups

- EEG devices are not included.
- Clients' and families' home use requires a separate ATB subscription; family plans and prices are listed at autotrainbrains.com/odemeler.
- Billing, tax and cancellation terms are set out in the Institution Licence and Subscription Agreement (KL-01) and at checkout.

05 Installation and requirements

Item	Requirement
Operating system	Windows 10/11 (64-bit) · macOS 12+ (Apple Silicon or Intel)
Internet	Clinical mode works with the server; a stable connection is required.
Live measurement	EMOTIV EPOC X (EMOTIV Launcher + EmotivID; Emotiv raw-data licence for raw EEG) · BrainBit (Bluetooth)
EDF import	EDF/EDF+ file: NeXus (BioTrace+), BrainMaster or generic 10-20 recordings

Installation

1. **Windows**: run `AutoTrainBrain-Setup-<version>.exe`. If “Windows protected your PC” appears, click **More info** → **Run anyway**.
2. **macOS**: open the `.dmg` and drag the app to Applications. If it is blocked on first launch, right-click the app → **Open** (macOS 15+: System Settings → Privacy & Security → **Open Anyway**).
3. To update, download the new version from the same page and install it over the old one; data are kept on the server.

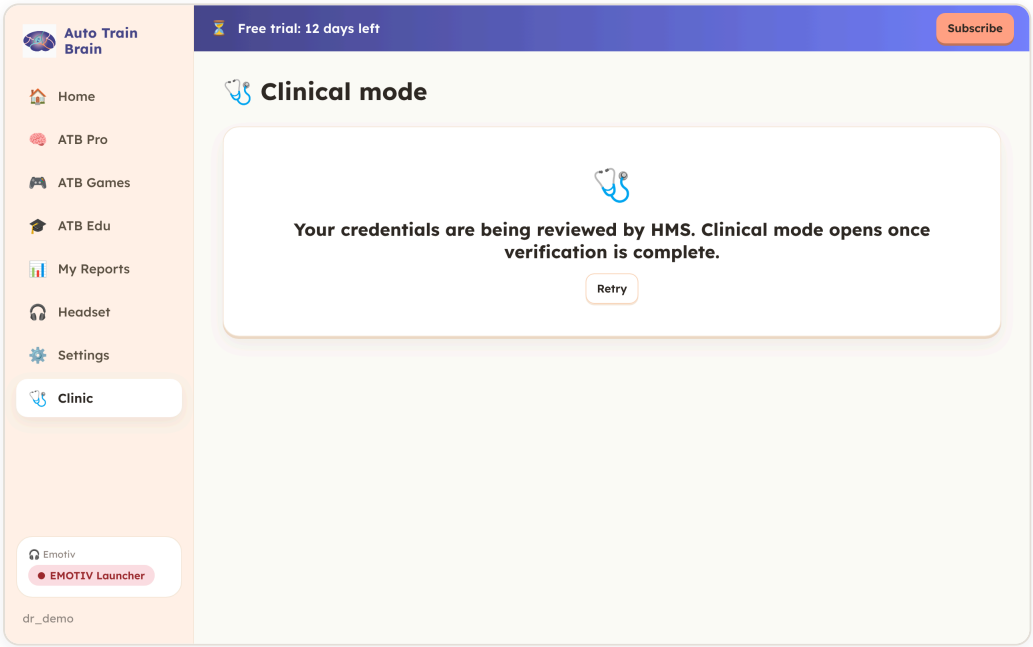
> **Signing note**
> When code-signing certificates are not configured, installers are built unsigned (ad-hoc signed on macOS), which is why the warnings above can appear. Download installers only from autotrainbrains.com/indir.

For headset setup and using ATB Pro, Games, Edu and EyeZenith, see the **ATB Desktop User Guide**.

06 Clinical-mode access: verification and agreements

The `Clinic` tab appears only for clinician and institution accounts; it never appears for family accounts. When opened, the server checks access and, if needed, shows one of these messages:

Message	Meaning / action
Your credentials are being reviewed by HMS.	Clinical mode opens after verification; refresh with `Retry`.
Your credential has expired.	Send an updated document to your institution admin / HMS.
Your clinician account is suspended.	Contact HMS.
The Clinical Layer subscription is not active for your institution.	The institution subscription must be started or renewed.
Your account is not linked to an institution.	Write to HMS to have your account linked.

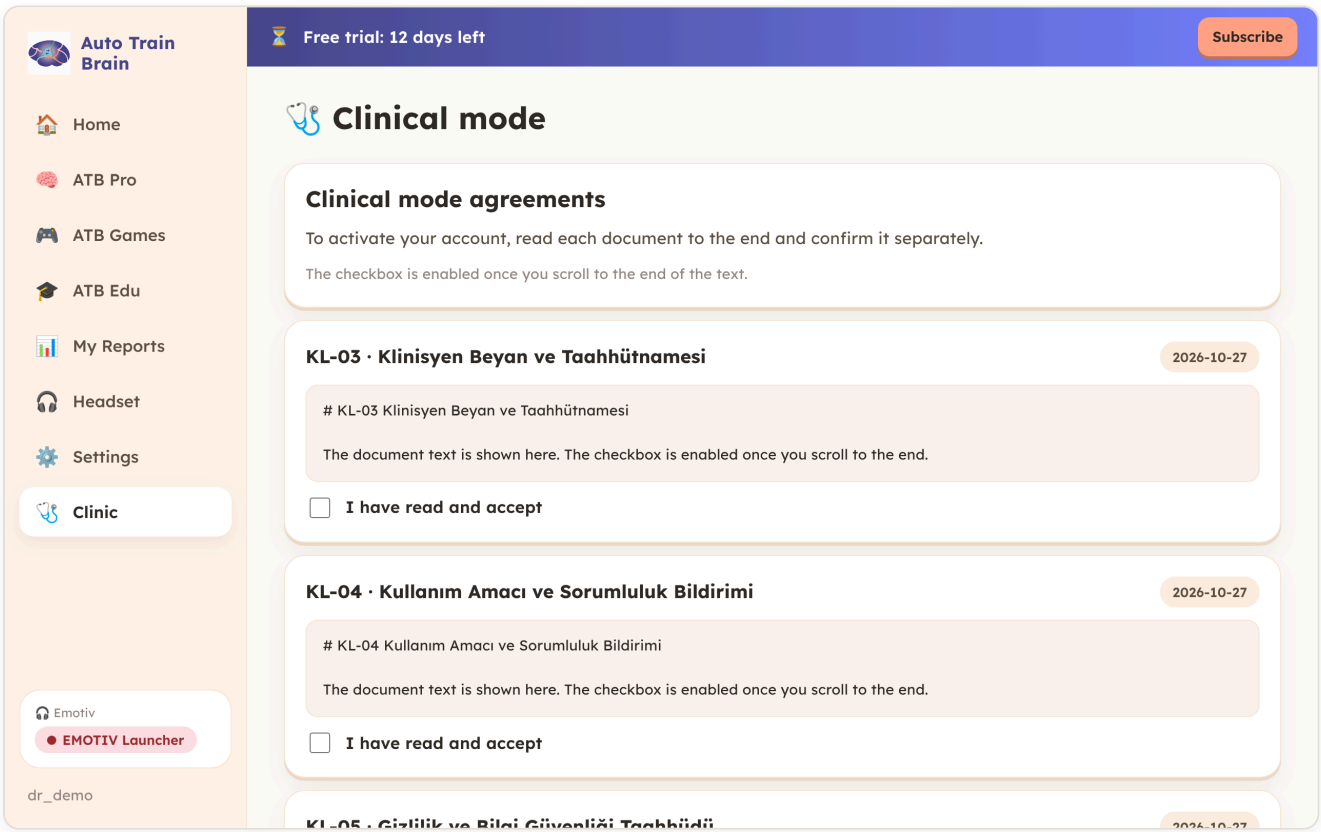


A clinician account awaiting verification.

Agreements

Each checkbox is enabled after scrolling to the end of the document, and each document is accepted separately. Acceptances are stored in an immutable log with date, version and text hash. When a new version is published, clinical mode takes you back to this screen. (Agreement texts are currently provided in Turkish.)

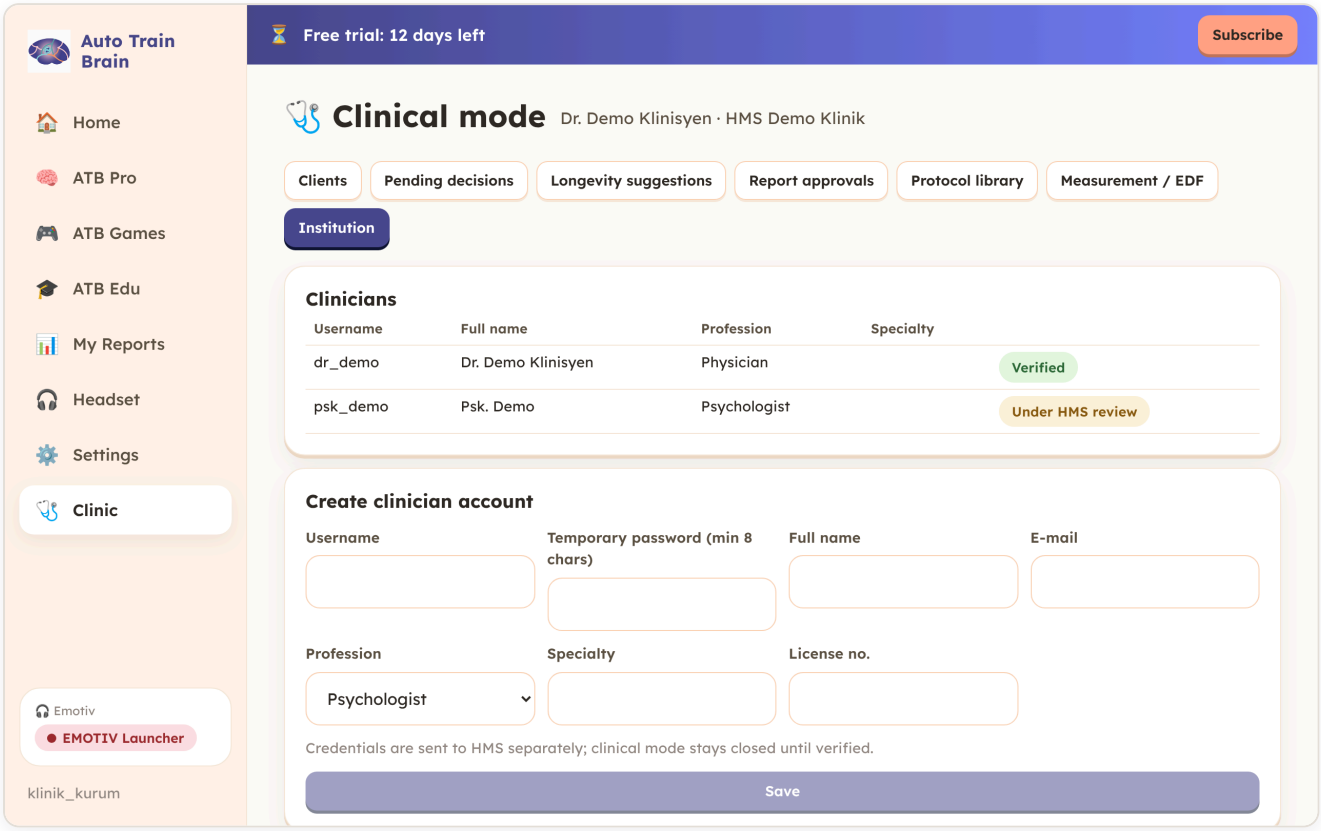
Code	Document	Accepted by
KL-01	Institution Licence and Subscription Agreement	Institution
KL-02	Data Processing Agreement (KVKK)	Institution
KL-03	Clinician Declaration and Undertaking	Clinician
KL-04	Intended Use and Responsibility Notice	Clinician
KL-05	Confidentiality and Information Security Undertaking	Clinician
KL-06	Licensed Tests Declaration	Clinician
KL-07	Clinician Privacy Notice (acknowledgement)	Clinician



The clinical mode agreements screen.

07 Institution and clinician accounts

Institution administrators see the **Institution** tab in clinical mode. It lists the institution's **Clinicians** (status “Verified” or “Under HMS review”) and lets you open new accounts.



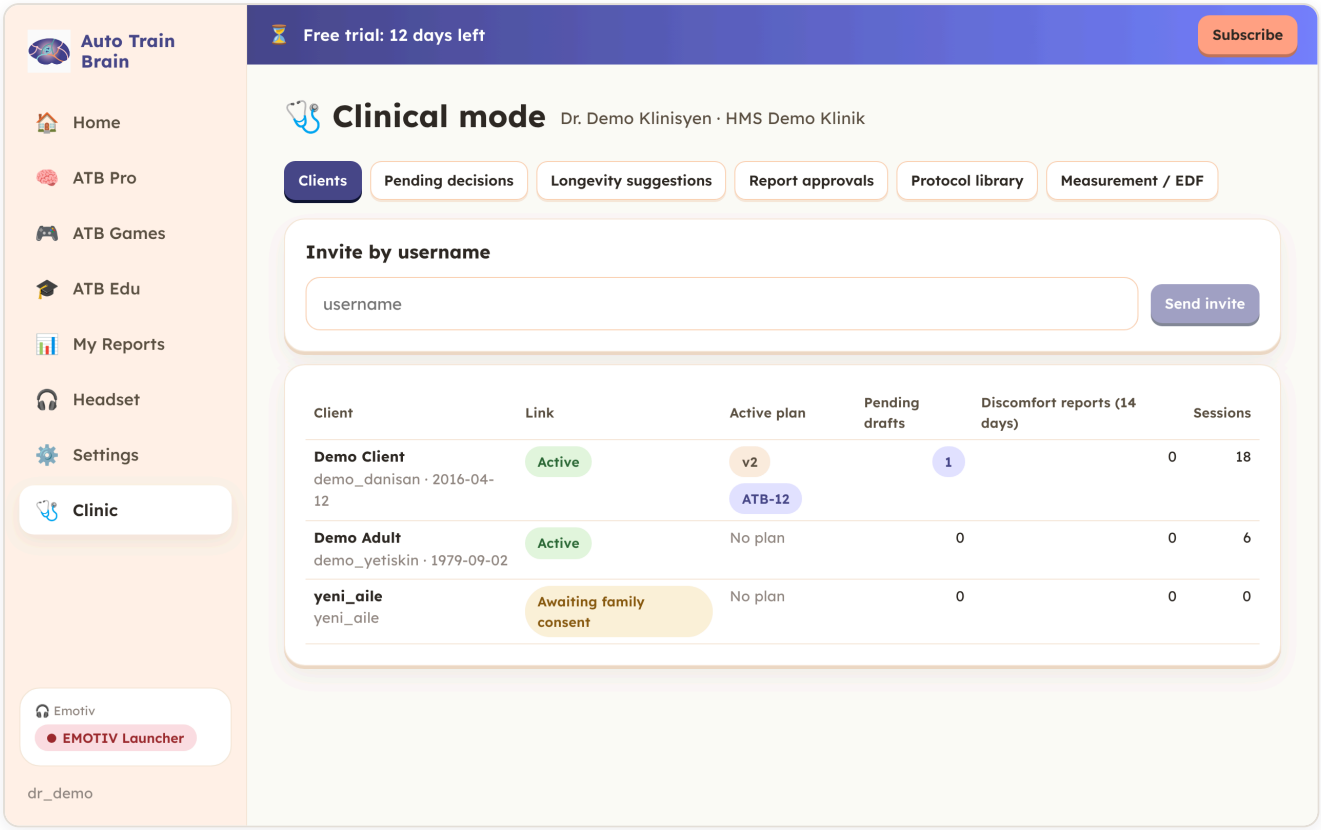
Institution tab: clinician list and the “Create clinician account” form.

1. In **Create clinician account**, enter username, temporary password (min 8 chars), full name, e-mail, profession, specialty and licence number.
2. Professions: **Physician**, **Psychologist**, **Neurotherapist**, **Technician (cannot approve)**.
3. **Save**. Credentials are sent to HMS separately; clinical mode stays closed for the clinician until verified.

Institution settings

AI draft recommendations and norm comparison can be switched on or off per institution. When off, screens show “AI draft recommendations are disabled for your institution. You can create a plan directly from the library.” or “Norm comparison is disabled for your institution”.

08 Clients: invitation, link and file



The Clients tab (demo data).

Invitation and family consent

1. Type the client's ATB username under **Invite by username** and click `Send invite`. The client appears as “Awaiting family consent”.
2. The family sees the invitation on the desktop or in the mobile app, gives data-sharing consent and enters the parent password. The link becomes “Active”. If the family declines or later revokes the link, this is written to the timeline.
3. Assessments cannot be added and plans cannot be sent until the link is active.

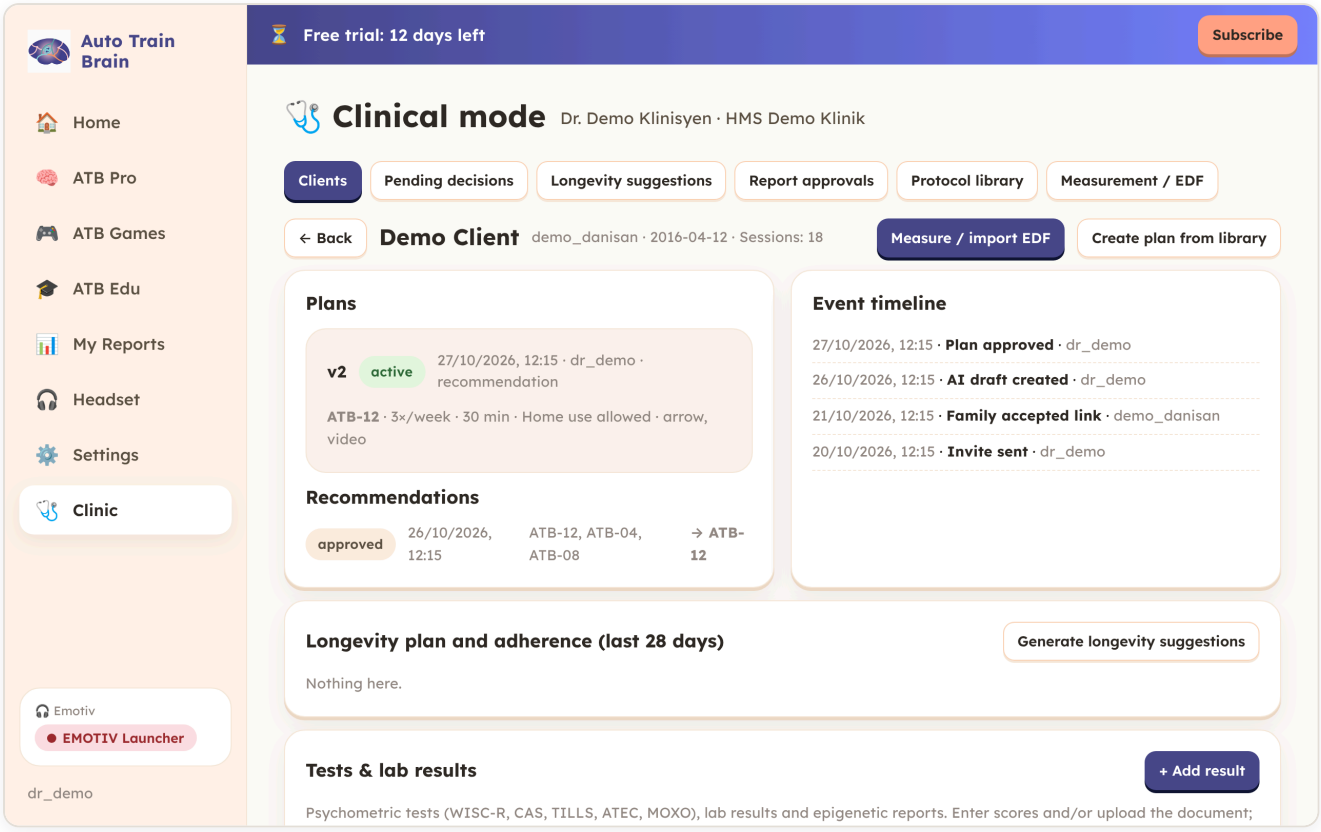
Client list

The table shows client, link status, active plan (version and protocol codes), pending drafts, discomfort reports in the last 14 days and number of sessions.

Client file

- **Plans**: all plan versions, status, approving clinician and items (per week, minutes, home use, reward interfaces; items “Paused” after a discomfort report).
- **Recommendations**: past AI drafts, candidates and the decision taken.
- **Event timeline**: invitation, family consent, drafts, approvals, rejections, discomfort reports, parent opening the clinic tab, report approvals and longevity entries, with timestamp and actor.
- **Longevity plan and adherence (last 28 days)** and **Tests & lab results** panels.

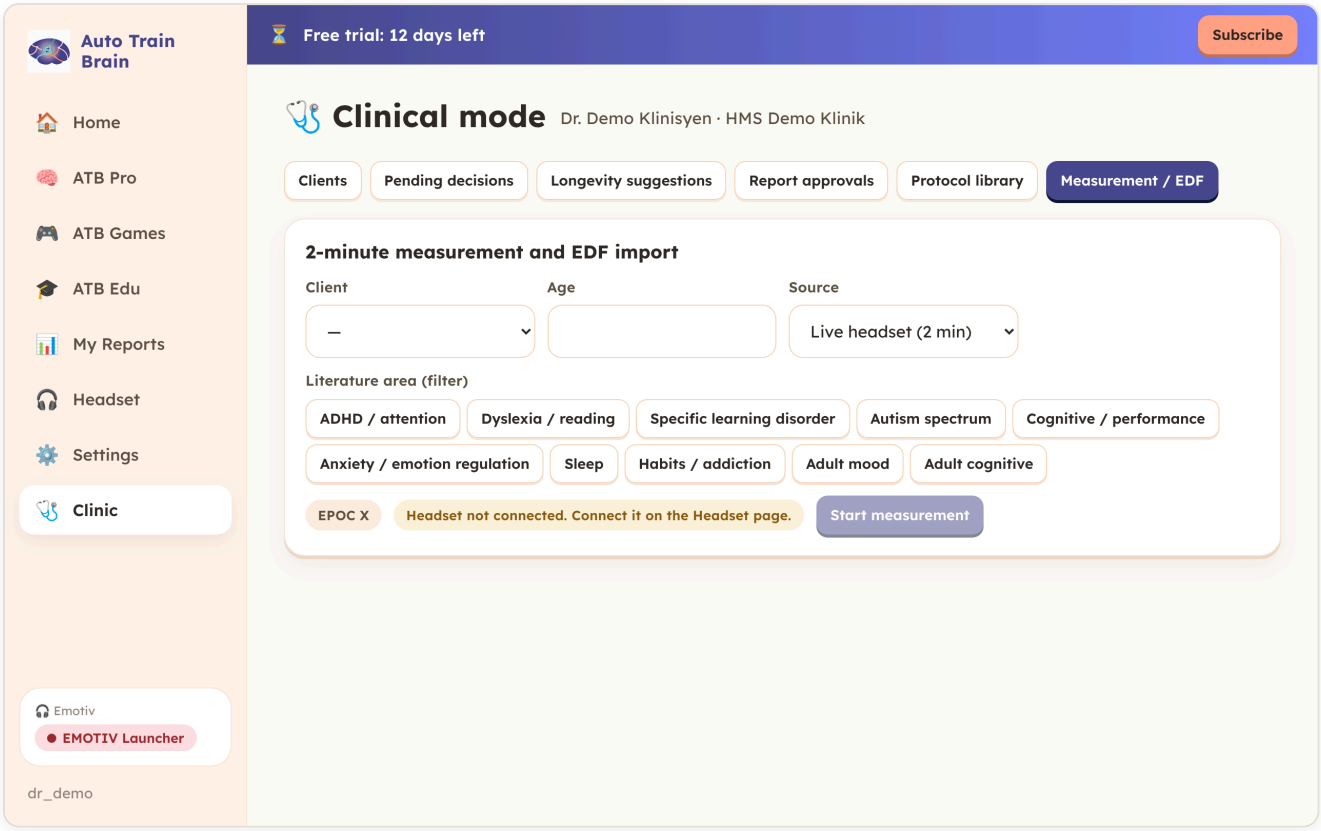
- Buttons: `Measure / import EDF` and `Create plan from library`.



Client file: plans, recommendations and event timeline (demo data).

09 Measurement and EDF import

The `Measurement / EDF` tab (**2-minute measurement and EDF import**) starts with client, age, literature-area filter and source.



The Measurement / EDF screen.

Sources

Source	How it works
Live headset (2 min) · EPOC X	The raw EEG stream is tried first (requires an Emotiv raw-data licence): notch and band-pass filtering, blink regression and epoch rules. Without a raw stream the device band power (pow) is used; blink regression is then not possible and the result says so.
Live headset · BrainBit	Measurement in band-power mode.
EDF/EDF+ file	**File profile**: Auto-detect, NeXus (BioTrace+), BrainMaster or generic. Channels are mapped to 10-20 names; missing 10-20 channels and unrecognised / non-EEG channels are listed. Raw EEG is not stored on the server.

Quality rules

- The result shows duration, clean data, artifact rate, excluded channels, blinks and EMG epochs.
- Less than 60 s of clean data — repeat the measurement.
- Artifact rate above 40% — a recommendation cannot be requested.

- Extremely high values on some channels suggest poor contact: re-wet the sensors, check contact quality and repeat.
- ASR/ICA are not available in this version; rule-based cleaning is applied.

Norm comparison and requesting a draft

Compare to norm adds z (norm difference) values to the band-power table; if no suitable norm exists for the device/measurement, only raw band power is shown. **Request AI draft** requires a selected client, an age and (for EDF) an identified device. The draft then appears under “Pending decisions”.

10 Assessments and psychometric scales

In the client file's **Tests & lab results** panel, **+ Add result** lets you pick type and date, enter scores and/or upload the document (PDF/JPG/PNG, max 10 MB). The server derives area hints and warnings from the scores; AI drafts take them into account. These records are **not shown to the family**; only clinicians in your institution see them.

Type	Values entered
Psychometric scale	GAD-7, PHQ-9, PSQI, ISI, PSS-10, ASRS, M-CHAT-R, AQ, AQ-10, RAADS-R, SCQ (score and cut-off). SNAP-IV, Vanderbilt, Turgay, Conners, CAARS, CPT-3, CLDQ, ARHQ, Vinegrad, TOWRE-2, CTOPP-2, Q-CHAT, SRS-2, CARS-2, ADOS-2, ADI-R (score optional; tick if above threshold).
WISC-R	FSIQ, VIQ, PIQ, digit span, arithmetic, coding
CAS	Planning, attention, simultaneous, successive
TILLS	Phonemic awareness, nonword reading/spelling, reading fluency, reading comprehension, written expression, identification core
ATEC	Total and subscales
MOXO-CPT	Attention, timeliness, impulsivity, hyperactivity (level 1–4)
Laboratory	Vitamin D, ferritin, B12, TSH, fT4, haemoglobin, fasting glucose, magnesium and other values
Epigenetic / genetic	Gene / marker – result rows and the report document

Licensed tests

Under KL-06, upload only scores of tests you are licensed to administer and score, and your own reports; do not upload test items or copyrighted material. Interpretation is the clinician's. Documents uploaded by the family appear as “family upload” and do not enter the engine until you review them.

11 AI protocol suggestions

The suggestion engine combines the recording (features and artifacts), norm z-scores, assessments (WISC-R, CAS, TILLS, ATEC, MOXO, scales), lab and epigenetic warnings, age and device compatibility, and ranks the **top 3 protocol candidates** from the library. In this version the engine is rule-based and produces drafts only.

Pending decisions

1. Each draft is labelled “AI draft recommendation — requires clinician approval” and shows its expiry date (14 days).
2. `Open rationale`: input, rationale, warnings, score and references. **Approval buttons stay disabled until the rationale has been opened.**
3. Pick a candidate and edit parameters: per week, minutes, daily max, threshold (target reward %, update s), home use, reward interfaces.
4. Decide: `Approve and add to plan`, `Replace with another protocol` (choose the replacement) or `Reject` (with reason/note).

If nothing matches, “No matching template; you can choose from the library.” appears. Protocols requiring physician approval can be approved only by a physician; technicians cannot approve any draft. Every decision is written to the event log.

12 Protocol library

The `Protocol library` tab shows standard and institution protocols. Group **by condition** (ADHD, dyslexia, autism, epilepsy…), **by function** (attention, reading, calm…) or not at all; search by code, name or site.

Sources

- **ATB app protocol**: Auto Train Brain's **patented** protocols used in ATB Pro, NeuroSphere Pro and ATB Games, listed by purpose: Read, Speak, Dream 1, Dream 2, Hyper, Spatial, Holistic, Vocal, Calm, Communication, Emotion, Social, Creativity, CARE-RL (adaptive, no fixed site) and the ATB Games focus/calm game protocols. Technical details (sites, bands, thresholds) are not disclosed.
- **Literature template**: templates compiled from published method families (e.g. theta/beta ratio, SMR ~12–15 Hz, alpha, delta and z-score approaches). Each template shows sites, rewarded and inhibited bands, montage, default duration and frequency, age range, device compatibility and references. Templates are not treatment instructions; the decision belongs to the clinician.

Indicators

Label	Meaning
Device compatibility: full / approx. / n/a / DC check	The template's sites are available on the selected device directly, by approximation or not at all; low-frequency templates that need a DC check.
Physician approval	Only a physician can approve.
Home use allowed / Not for home use	Whether the template may be added to a home plan.
Closed in this version	Phase B templates (epilepsy, migraine, ILF) and the screening test are closed in this version: not suggested and cannot be planned.
Disabled for institution	Switched off by institution setting.

Creating an institution protocol

`Create institution protocol` takes a name (clinician only), a family-facing title (TR/EN), sites, reward/inhibit bands, home use and notes. The family-facing title must use wellness wording; titles with diagnosis, treatment, AI or norm terms are rejected.

13 Plans and home use

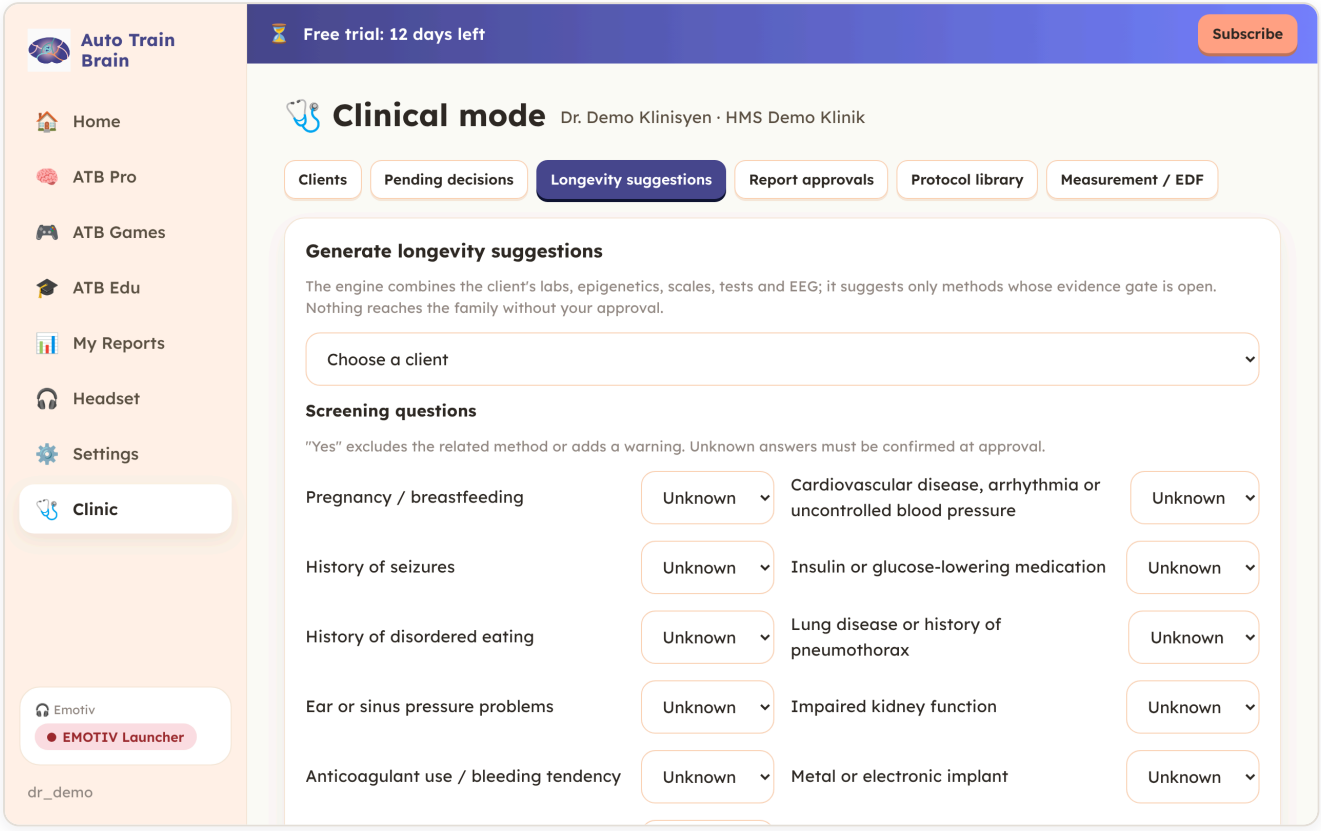
A plan is created from an approved draft or directly with **Create plan from library** in the client file. Each approval creates a new plan version.

Parameter	Description
Per week	Sessions per week (1–7)
Minutes	Session length (5–60 min)
Daily max (min)	Total that cannot be exceeded on one day
Threshold	Automatic threshold: target reward percentage and update interval (s)
Allow home use	If off, the family sees the training as “Only at the clinic” and cannot start it at home
Reward interfaces	Arrow, Ball, Video, Local video, Screen dimming, Music (Spotify), ATB Games

- A plan can hold at most **5 trainings**; when adding a protocol you can keep existing items by ticking them (“Current plan (checked items are kept)”).
- If the family reports “Felt unwell” after a session, the related item becomes “Paused (discomfort report)” and is highlighted in the timeline; review and update the plan.
- The family is told clearly when their headset cannot provide the planned sites, today's time is complete or the training is clinic-only.

14 Longevity suggestions

The **Longevity suggestions** tab combines the client's labs, epigenetics, scales, tests and EEG and drafts suggestions across lifestyle, sleep and stress, nutrition, supplements, physical activity and brain exercise. Nothing reaches the family without your approval.



Generating longevity suggestions: client selection and screening questions.

The evidence gate

Gate	Meaning
Open	The engine may suggest the method.
Pending	Awaiting the literature pipeline and HMS physician review; not suggested.
Closed	Weak evidence or safety concern; not suggested. Can only be opened with strong evidence and physician approval.
Prescription	Never suggested by the engine; only a “discuss with a physician” note appears.

Gates start conservatively; changes proposed by the literature pipeline (publications of the last 5 years) take effect only after HMS physician review. Each suggestion shows its evidence level (strong, moderate, emerging) and a source-labelled rationale.

Workflow

1. **Choose a client** and answer the **screening questions** (Yes / No / Unknown): pregnancy/breastfeeding, cardiovascular disease or uncontrolled blood pressure, history of seizures, insulin or glucose-lowering medication, history of disordered eating, lung disease/pneumothorax, ear or sinus pressure problems, impaired kidney function, anticoagulant use/bleeding tendency, metal or electronic implant, photosensitivity. “Yes” excludes the related method or adds a warning; “Unknown” must be confirmed at approval. These questions never go to the family.
2. `Generate`. The draft appears under **Longevity drafts awaiting decision** (valid for 14 days).
3. `Open rationale`: approval is impossible before the rationale is opened. Each item shows score, evidence level, “In clinic” where relevant and the **title the family will see**.
4. **Decide item by item**: tick the items to approve and set per week, minutes and weeks. For the neurofeedback item, pick one of the engine's **top 3 protocols** (a clean EEG measurement is needed; if AI protocol suggestions are off, add the protocol from the library).
5. Optionally write a **note to the family** (Turkish / English). It is checked for wellness wording; notes with diagnosis, treatment or AI wording are rejected.
6. For unknown screening answers, tick “These were checked with the client”; optionally add a decision note (not shown to the family).
7. `Save decision`: checked items are approved, the rest rejected.

Separate lists show **Suggested doctor discussion** (the engine never suggests prescriptions) and **Excluded by screening**. Technician accounts cannot approve; physician-only methods can be approved only by a physician.

Plan, adherence and the family screen

Approved items appear in the family's ATB Pro and NeuroSphere Pro apps on the clinic suggestions screen behind the parent lock, with wellness titles and steps only; the family logs “done / skipped” for each item. The **Longevity plan and adherence (last 28 days)** panel in the client file shows each item's adherence (done/expected, skipped); `Stop` ends an item with a reason.

15 Report approvals

AI-assisted reports for families land first in **Report approvals** as drafts: **Session report (AI draft)** and **Monthly report (AI draft)**.

1. Open the draft; use **Edit** if needed.
2. If the content contains wording unsuitable for families (diagnosis, AI, norm, treatment), a warning is shown; edit before approving.
3. **Approve and send to family** or **Reject** (reason required).

Only the wellness view of an approved report reaches the family. The unified report combining sessions, assessments and plan adherence follows the same approval rule.

16 Monitoring: adherence, reports and events

- **Client list**: active plan, pending drafts, discomfort reports in the last 14 days and session count at a glance.
- **Discomfort report**: the family reports with one tap after a session; the plan item is paused and highlighted in the timeline.
- **Event timeline**: invitation, family accept/decline/revoke, AI draft, approval, rejection, plan approval, parent opening the clinic tab, report approve/reject, protocol and clinician creation, agreement acceptances and longevity entries.
- **Adherence**: expected versus completed sessions per plan item; 28-day adherence percentage for longevity items.
- Home use flows to the server from ATB Pro, ATB Games and ATB Edu; all records are written to an immutable event log.

17 Family side and mobile apps

Families and clients never see clinical language. Your approved plan reaches the family in wellness wording only: the family-facing title instead of the protocol (“Training”), weekly frequency and length, “Can be done at home” / “Only at the clinic”, and suggested activities.

App	What the clinic link shows
ATB Desktop (family)	Invitation card on Home; **Clinic** tab opened with the parent password (asked every time; session of at most 15 minutes); “Planned by your clinician” in ATB Pro; Clinic button in ATB Games; “End clinic connection” in Settings.
ATB Pro (mobile)	Clinic plan, end-of-session discomfort report, approved longevity suggestions.
NeuroSphere Pro (mobile)	The same plan flow and longevity suggestions for adult clients.
ATB Games	Games added to the plan.
ATB Edu	Edu activity is included in monitoring data.

Communicating with families

Do not use diagnosis names, “treatment/therapy”, “neurofeedback” or AI wording in family notes, institution protocol titles or report edits; the system rejects family texts containing them. Hold clinical assessment and diagnostic conversations in person at the clinic.

18 Data protection and security

- **Roles (KVKK)**: for client and parent data processed in the Clinical Layer, **the institution is the data controller** and **HMS is the processor** (KL-02). For clinician account data, the controller is HMS Health Mobile Software A.Ş. (KL-07).
- **Storage**: data are stored on HMS servers. HMS processes data only to provide the service and on the institution's instructions; it does not use them to train AI models or build norms without the institution's separate written permission.
- **Access**: assessments and documents are visible only to clinicians in your institution; the family sees approved wellness content only. Families reach the plan with the parent password and can end the connection at any time.
- **Logging**: agreement acceptances, drafts, decisions and family actions are written with timestamps to an immutable event log.
- **Clinician duties** (KL-05): view data only for professional purposes; export and screenshot only in line with law and institutional policy; never leave your session open on a shared computer.

19 Troubleshooting

Situation	What to do
No Clinic tab	Make sure your account has a clinician/institution role; sign out and in again; if it persists, contact HMS.
Agreements screen reappeared	A new document version was published; read and accept the current text.
“Could not reach the server”	Check your connection and click **Retry**.
“Your session may have expired”	Sign in again.
Draft button disabled	Choose a client and enter the age; for EDF the device must be identified; clean data ≥ 60 s and artifacts ≤ 40%.
Headset not connected	Connect it on the Headset page (EMOTIV Launcher running and approved; Bluetooth on for BrainBit).
No raw EEG stream (EPOC X)	Without an Emotiv raw-data licence, measurement runs in band-power mode; the result states this.
Cannot add an assessment	The client link must be active; file must be PDF/JPG/PNG, max 10 MB.
Cannot approve	Open the rationale first; technician accounts cannot approve; physician-only items need a physician.
Family note rejected	Remove diagnosis/treatment/AI wording and rewrite in wellness language.
“A plan can hold at most 5 trainings”	Uncheck one of the existing items.

20 Support and contact

E-mail	info@healthmobilesoftware.com
Download	autotrainbrains.com/indir
Website	www.autotrainbrain.com
Company	HMS Health Mobile Software A.Ş. (Turkey) · Auto Train Brain Inc. (USA)

Contact us by e-mail for accounts, credential verification, subscriptions and technical support. Include your institution, username, app version (bottom of Settings) and a screenshot; do not send client identifying information by e-mail. We reply to support requests within 72 hours.

Reminder

Clinical responsibility rests with the clinician. HMS is a software provider; ATB Desktop is not a medical device. AI outputs are drafts that require clinician approval.

21 What's new in this version

ATB Desktop 1.9.0 splits the Clinical Layer into two simple modules, adds a one-screen **Longevity AI quick assessment** for paid walk-in assessments, and presents the results as an interactive **digital twin hologram** and a positively worded **family plan PDF**.

New	What it gives you
Two clinical modules	Longevity AI and Clinical Brain Exercise as separate cards, each with numbered steps.
Quick assessment	New or existing client → EEG → history → labs / tests / face → instant result.
Client list	Search, sort by column, status, age-group and link filters.
Per-channel raw EEG	Raw waveform per channel on the measurement screen, with scale and window settings.
Every report is read	Lab, epigenetic, WISC-R and scale reports in TR, US and UK formats are read from PDF.
Scale entry	Missing scales (PSQI, ISI, GAD-7, PHQ-9…) are entered on the same screen.
ATB programme	Auto Train Brain brain training in every draft: 3 protocols + 6-month or 1-year subscription.
ATB ecosystem	ATB Edu, ATB Games and EyeZenith in every draft.
Digital twin hologram	Nine wellness domains, rotatable 3D view, projected growth by week.
Face photo and EyeZenith	On-device face metrics; HRV, stress and eye-tracking checks feed the suggestions.
Family plan PDF	Personal growth plan in positive wording, with no scores or diagnostic terms.
Supported headsets	EMOTIV, BrainBit, Muse, Neurosity, ANT Neuro, OpenBCI, LSL amplifiers and EDF import (chapter 28).

> **Updating**
> The app downloads new versions itself at start-up. For a manual install go to autotrainbrains.com/indir.

22 Clinical modules and the client list

The `Clinic` menu opens with two module cards. The last module you used is remembered.

🧬 Longevity AI
Paid assessments and longevity suggestions: *Quick assessment*, *Clients*, *Longevity suggestions*.

🧠 Clinical Brain Exercise
Numbered steps: *1 Clients · 2 Measurement / EDF · 3 Pending decisions · 4 Connection · 5 Live monitor*; below them a follow-up row: dashboard, schedule, messages, reports, protocols.

Client list: search, sort, filter

Action	How
Search	Type a name or username; Turkish characters are matched loosely (ş/s, ı/i...).
Sort	Click a column header: name, age, sessions, pending suggestions, alerts, last Longevity. A second click reverses.
Status filters	Pending suggestion · alerts · active plan · no plan · Longevity draft.
Age group	Child, adolescent, adult, older adult.
Link	Linked or invitation pending.

Clicking a row opens the client file; from the Longevity list you can start a quick assessment straight from the row.

23 Longevity AI: quick assessment

One flow for clients who come for a paid assessment. Steps open in order; finished steps get a ✓ and you can go back to correct them.

1. **Client.** Search an existing client or use `New client` to open an account at once with name, date of birth and parent e-mail; the family link is set up automatically.
2. **EEG.** Record with the connected headset or import EDF. The measurement screen has a **standard per-channel raw EEG** view: one row per channel, µV scale and 5/10/20 s window, signal quality next to each channel name.
3. **History.** Lifestyle questionnaire and screening questions (pregnancy, seizure history, medication…). Unknown answers are asked at approval.
4. **Labs / tests / face.** Choose the document type: *Lab*, *Epigenetic report*, *WISC-R / test*, *Scale*, *Face photo*. PDF reports are read in TR, US and UK formats (SI and US units, genotype tables); values are shown before saving and can be corrected.
5. **Result.** `Create result` builds the suggestion draft, the ATB programme and the digital twin. Approve items, edit if needed; after approval the printable report and the **Family plan PDF** are ready.

Completing missing data on the same screen

When the engine misses data (e.g. a sleep scale, epigenetic age, face photo, EyeZenith check) an action row appears below the result: enter the scale (PSQI, ISI, GAD-7, PHQ-9…), upload a file, type the value, take a photo. After saving, `Regenerate` updates the suggestion.

> **Responsibility**
> Suggestions are drafts for the clinician's review and never reach the client without your approval. Clinical decisions and responsibility rest with the clinician.

24 Auto Train Brain programme and subscription

Every Longevity AI draft starts with **Auto Train Brain brain training**, pre-approved. The engine picks **3 protocols** (protocol + mode) from the client's findings; protocols are patented and are described on screen and to the family only by name and purpose.

Subscription	Scope
6-month subscription	Base programme; 1–2 sessions a week, 2 × 15 min activities per session.
1-year subscription	Suggested with neurodevelopmental findings, findings in three or more areas, or out-of-norm EEG band power; 1–2 sessions a week.

You can edit the programme on the card: choose the subscription and replace any protocol or mode (NF1–NF4). The rationale line explains the engine's choice.

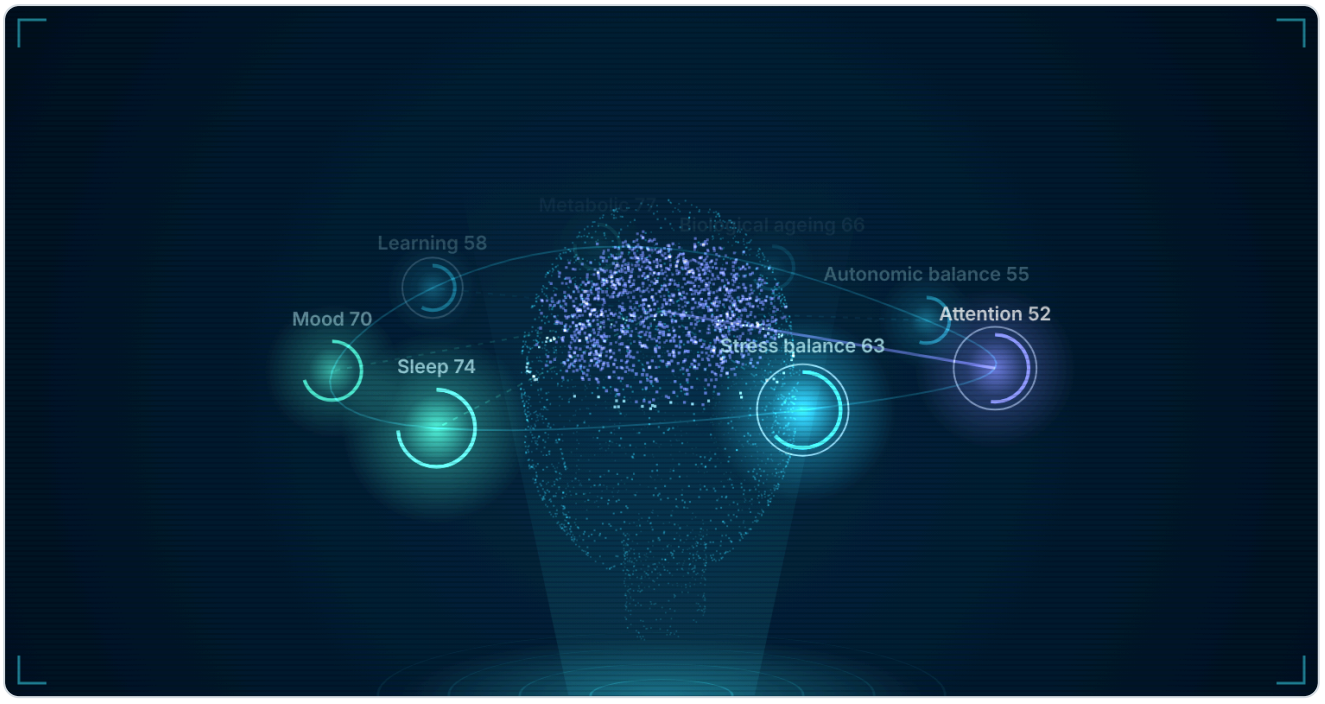
ATB ecosystem: in every draft

Suggestion	Step the family sees
ATB Edu	Learning, attention and language activities in the suggested module; 3–4 days a week, 15–20 min.
ATB Games	Daily suggested attention, memory and reaction games; 4–5 days a week, 15 min.
EyeZenith	Short HRV and eye-tracking checks 2–3 times a week; results feed the next draft automatically.

These three are pre-approved and show their app badge on the card. Untick any item you do not want.

25 Digital twin hologram

The digital twin at the top of the result derives a 0–100 index in nine wellness domains from the client's data and shows it as a rotatable 3D hologram.



Digital twin hologram: domain nodes around the head; the selected domain's value top right.

Interaction	Result
Drag	Rotates the hologram; it keeps turning slowly when released.
Click a node	Selects the domain and opens its value, status and details (factors, data sources).
▶ and time slider	Animates the projected growth of each domain over the programme weeks.

Status labels are positive: **Strong** (70+), **Room to grow** (50–69), **Focus area** (below 50). 🧠 marks domains targeted by the ATB programme. The projection is a model estimate assuming 80% adherence; it is not a diagnosis or guaranteed outcome.

Domains: attention, stress balance, sleep, mood, learning and social (under 18), metabolic balance, biological ageing, autonomic balance.

26 Face photo and EyeZenith data

Face photo (longevity wellness)

In the *Labs / tests / face* step choose `Face photo`; upload a file or take one with the camera. Analysis runs on the computer and **the photo is never uploaded**; only the metrics are saved.

Metric	Use
Fatigue, eye openness	Strengthens sleep and rest suggestions.
Under-eye darkness	Contributes to the sleep routine suggestion.
Redness, tone evenness	Contributes to nutrition suggestions.
Symmetry	Shown to the clinician as a hint only; produces no suggestion.

Light, face size and pose make up a quality score; low-quality photos are left out. For good results take the photo facing the camera, in daylight, with the face filling half the frame.

EyeZenith

When the client measures HRV, stress and eye tracking with the EyeZenith app, the last 60 days are added to Longevity AI automatically: low HRV or high stress lifts breathing and calming suggestions, a low eye-tracking score lifts attention suggestions. A summary appears under the digital twin. Without measurements the result shows an “EyeZenith check” hint.

27 Family plan PDF

After approving the plan, the 📄 **Family plan PDF** button in the client file or the quick-assessment result saves the personal growth plan as a PDF, in Turkish or English according to the app language.

- **Growth map:** hologram image without numbers, *Strengths* and *Areas we will grow together* (growth-goal bars only).
- **Suggested steps:** ATB brain training first, then ATB Edu, ATB Games, EyeZenith and other approved items; frequency, duration and clinician note.
- **Tips for success** and a wellbeing note.

> **Wording rule**
> The PDF contains no scores, low values, rationale, diagnosis or treatment terms; content passes the server's wellness check. The wording is positive, reassuring and focused on small steps.

28 Supported EEG headsets and integrations

ATB Desktop works with the headsets and amplifiers below. Choose a headset on the **Headset** screen, clinical devices from the device list on the **Measurement / EDF** screen.

Home and clinic (ATB Pro, ATB Games, ATB Edu, Clinic)

Maker	Models	Connection / note
EMOTIV	EPOC X, Insight, MN8, FLEX	EMOTIV Launcher + EmotivID; raw EEG needs the EMOTIV raw-data licence (band power otherwise)
BrainBit	Headband, BrainBit2, Pro, Flex	Bluetooth; no installation needed
Muse	Muse 2, Muse S, Muse 2016	Bluetooth (MAC address optional)
Neurosity	Crown	“BrainFlow / OSC” streaming enabled in the Neurosity app, same network
Enophone	Enophone	Bluetooth

Clinical devices (BrainFlow)

Maker	Models	Connection / note
ANT Neuro	eego EE-211…225, EE-410, EE-411 (eego mini), EE-430, EE-511	Windows only; ANT driver and eego-SDK.dll (selected on first use)
OpenBCI	Ganglion (Bluetooth / BLED112), Cyton, Cyton + Daisy	Serial port (Windows COM3, macOS /dev/cu.usbserial-…)
Mentalab	Explore 4 and 8 channel	Bluetooth
FreeEEG	FreeEEG32	Serial port
Demo	Simulated EEG (16 channels)	Try the screens without a headset; not clinical data

Amplifiers streaming LSL

Maker	Models	Connection / note
Wearable Sensing	DSI-24, DSI-7 (DSI-Streamer)	Same network; firewall must allow LSL
Neuroelectrics	Enobio (NIC2)	LSL output enabled
Others	Bitbrain, mBrainTrain Smarting, g.tec Unicorn, Brain Products BrainVision, OpenBCI GUI, BlueMuse / Petal	LSL output in the device software

Recording import and complementary data

Maker	Models	Connection / note
EDF / EDF+	Mind Media NeXus (BioTrace+), BrainMaster and any system that writes	Pick the file on the Measurement / EDF screen

EyeZenith	Webcam eye tracking; HRV, stress and eye-tracking checks in the mobile app	The last 60 days feed Longevity AI and the digital twin automatically

Is the headset included?
EEG headsets are not part of the software subscription and are obtained separately. Under institutional agreements EMOTIV EPOC X and BrainBit headsets can be supplied through HMS.