

## PATIENT ACCESS CASE STUDY

# Electronic medication diary delivers high compliance rates in a rare cancer study



A sponsor was investigating its treatment of small molecule BRAF inhibitors in people living with a rare form of non-small cell lung cancer (NSCLC). They sought Fortrea's expertise and experience to run the study and recruit 61 patients from 35 sites in Taiwan and China. Learn how Fortrea enabled convenient data collection—and a high compliance rate—with patient-centric digital health solutions.

### Recognizing the key requirements

Patient-reported data represented a key component of this trial. Fortrea needed to ensure that patients could:

- **Comply with the medication requirement:** To set the study up for success, Fortrea needed to ensure that patients in the trial took their oral medication every day
- **Easily record medication:** The patients needed an intuitive way to record and report their treatment use in the study
- **Return complete questionnaires:** The study required patients to report their quality of life, functioning, cancer symptoms and any treatment-related side effects

### Enabling real-world data collection with digital health solutions

Fortrea first provisioned mobile devices with an installed electronic medication diary to the patients. This process bypassed in-country restrictions associated with patients' personal devices accessing mobile application storefronts. With these study-specific devices:

- **Patients received daily text reminders:** Patients were reminded to take their medication and record it in their electronic medication diary (eDiary)
- **Patients received questionnaires:** Patients could answer questionnaires through their devices from the convenience of their homes
- **Sites received tracking data:** Patient-reported data were sent to the sites so they could remotely monitor compliance and provide follow-up as necessary
- **Patients received training and support:** For patients that had less-than-ideal compliance, retraining and support were provided

### Driving a high rate of compliance

By incorporating digital health solutions into the trial, Fortrea enabled data collection from the patients' real-world environments. Not only did this solution promote convenience for the patients, but it also supported central monitoring to trigger early intervention to follow up on missing or problematic data.

As a result of these efforts, the compliance rate for the medication eDiary and questionnaires reached more than 96%. Fortrea completed study recruitment two months ahead of schedule and delivered complete and accurate data to the sponsor.

Learn how Fortrea implements patient-centric practices in decentralized clinical trials to minimize the burden of trial participation. [Explore our Digital Health Solutions.](#)

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