

# Relay Medical Announces Completion of Pharmatrac API Development; Now Able to Service Telemedicine Platforms and Medication Management Applications

Toronto, Ontario--(Newsfile Corp. - March 5, 2020) - Relay Medical Corp. (CSE: RELA) (OTCQB: RYMDF) (FSE: E1Y2) ("**Relay**" or the "**Company**"), a developer of MedTech innovation, is pleased to announce the development of an application programming interface (API) for its Pharmatrac Medication Management System. With this development the Company is now poised for strategic integration with partners in the telemedicine and medication management markets.

The Pharmatrac API allows 3<sup>rd</sup> party mobile apps, devices and services to connect to the Medication Management System, and query for data and insights generated by Relay Medical's artificial intelligence (AI) driven algorithms. With this advancement the Company is now able to integrate its technologies with strategic partners for value added applications and the commercialization of Pharmatrac devices including the Countertop Medication Device.

The API authenticates user credentials to partners to securely access devices on their accounts. With this access, providers can control the features of the device, upload data to the system, and receive data back about the medication habits of their users. Features of the device are configurable through the API, including reminder lights and sounds, medication-taking-event lights and sounds, the colours of the lights, and other functionality. User medication data can be uploaded, including medications prescribed and individual schedules. Data sent back through the API includes all medication captured by the system processed through Relay Medical's AI algorithms, timestamps, videos, images, pill counts, and others. The API continues to be updated as development progresses.

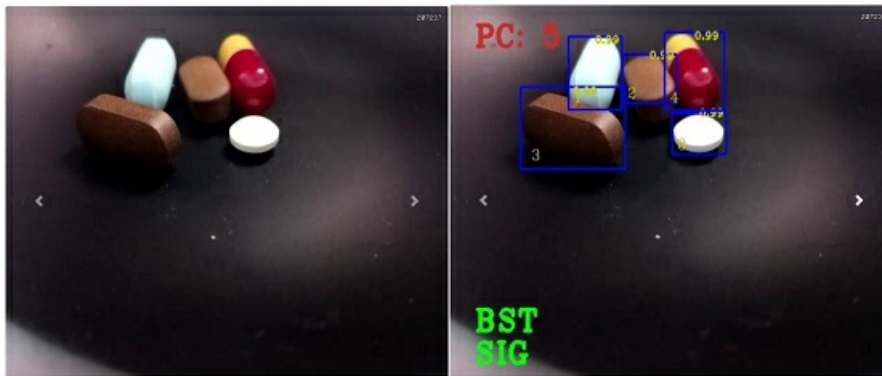


Fig 1. Example of unprocessed and processed images available through the API

To view an enhanced version of Figure 1, please visit:  
[https://orders.newsfilecorp.com/files/952/53197\\_figure1.jpg](https://orders.newsfilecorp.com/files/952/53197_figure1.jpg)

Relay Medical is now ready for API integration testing with partners.

## Key Markets

In both the telemedicine market and the medication adherence market, there is a need to understand and track how medication is taken at home in order to understand and improve medication adherence. Current solutions rely on the medication user to self-report when and how they take their medication. As the number of medications and supplements a person takes increases, it becomes difficult to remember what was taken when and communicating medication habits with doctors and pharmacists becomes overwhelming. Even when medication reminder apps are used, the self-reported time when the medication was actually taken may not be accurate, and as has been observed in Relay Medical's own user studies, many seniors and people with declining health find it difficult to use complicated technology solutions. The use of the Pharmatrac Medication device on the other hand, is seamless. Medication users need only to cluster their medication in the device instead of in their hand and take it as usual. The Pharmatrac Medication device solves the problem of the unreliability of self-reported medication use by automatically recording and reporting what medications are taken and when they are taken.

When connected to telemedicine solutions, doctors are automatically informed of how the patient has adhered to the protocol, so they can immediately diagnose an adherence problem and recommend solutions. Patients will no longer need to collect their medication and discuss with the doctor one by one, the doctor will already have the information to provide data driven care.

When connected through adherence apps, the medication users and their caregivers will be able to view the consumption habits and easily share the information with their doctors. The pill counter data will be used with pharmacy-connected apps to automatically refill a prescription when the medication has run out, instead of when the pharmacy thinks it should be refilled, leading to less waste and buildup of medication.

## Telemedicine Market

It is expected that global telemedicine services will be in heightened demand amid the Coronavirus outbreak and through its aftereffects. In response to the crisis, an emergency healthcare bill in the U.S. was passed on March 4, 2020 increasing Medicare coverage for telemedicine to seniors, vastly expanding the coverage to patient care in their homes. This is expected to increase spending on telehealth by \$500 million<sup>1</sup>.

In 2018, the telemedicine market size was valued at US \$31.46 billion globally, and it is expected to reach US\$108.08 billion by 2025<sup>2</sup>. This growth will be driven by advances in technology, demand for better healthcare in rural areas and the increased prevalence of chronic diseases.

### **Medication Adherence Market**

Medication non-adherence is a world-wide problem that costs payers and healthcare systems billions of dollars annually and puts consumers at significant risk. In the United States, around 50% of all prescriptions filled are taken incorrectly. "Incorrectly" is defined as incorrect timing, dosage, frequency or duration<sup>3</sup>. Annual costs of non-adherence are estimated to be US\$100- US\$290 billion in the US, €1.25 billion euros in the Europe and A\$7 billion in Australia<sup>4</sup>.

In 2016, the global market for medication adherence was nearly \$1.7 billion, and it is expected to grow to over \$3.9 billion by 2021. The market consists of both hardware-based adherence systems and software-based applications. The expected growth will be driven by the strong need to improve adherence (as indicated above) and the growing number of people around the world with chronic diseases<sup>5</sup>.

### **References**

<sup>1</sup><https://mhealthintelligence.com/news/breaking-telehealth-coverage-included-in-coronavirus-spending-bill>

<sup>2</sup><https://reports.valuates.com/market-reports/QYRE-Othe-2M208/global-telemedicine-market>

<sup>3</sup><https://www.cdc.gov/mmwr/volumes/66/wr/mm6645a2.htm>

<sup>4</sup><https://bmjopen.bmj.com/content/8/1/e016982.full>

<sup>5</sup><https://www.medgadget.com/2019/12/medication-adherence-market-2019-global-analysis-opportunities-and-forecast-to-2024.html>

### **About Relay Medical Corp.**

Relay Medical is a MedTech innovation Company headquartered in Toronto, Canada focused on the development of novel technologies in the diagnostics and data science sectors.

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