

“The potential of Interchange by Kaiser Permanente is limited only by imagination.”

Phil Fasano,
executive vice president and
chief information officer,
Kaiser Permanente

A Leader in Health IT

Kaiser Permanente is a leader in using health information technology to transform patient engagement and care delivery. Our electronic health record, Kaiser Permanente HealthConnect®, securely connects 9.1 million people to their health care teams, their personal health information, and the latest medical knowledge. My Health Manager on kp.org empowers more than 4 million members to manage their health with ease and convenience. Now, Kaiser Permanente is taking the next step in care transformation with its application programming interface (API) program, InterchangeSM by Kaiser Permanente.

Unleashing the Power of Digital Health Information

Imagine a mobile app so customized that it shows you nearby restaurants that cater to your healthy lifestyle and offers food suggestions based on the amount of activity you have completed in the last week, your nutrition plan, and friends’ reviews. Once you’ve finished your meal, a device synced to your app reports your blood sugar levels and reminds you to pick up insulin, then tells you the nearest Kaiser Permanente pharmacy where you can pick it up. Interchange by Kaiser Permanente is the beginning of that possibility.

Interchange by Kaiser Permanente provides a foundation for building a health and wellness app ecosystem, enabling greater innovation and co-creation. It is a program that brings together multiple data sources in a unified environment, accessed through APIs, and is designed to help developers build new and innovative apps that support total health.

Enhanced Convenience for Members

The first data set of information available is a Location API, which includes Kaiser Permanente facility and location information for 37 hospitals and more than 600 medical office buildings, pharmacies, and emergency rooms, filtered by hours of operation and specialty. By integrating our location information with public data sets, we can create context-aware and geolocation-based mobile apps.

As we release the next set of curated data sets and begin to harness device-entered data, there is potential to usher in a new era of patient-centered apps that can change the way our members and communities engage in their wellness and health care.

Safe and Secure

Keeping patient information private and secure is a top priority at Kaiser Permanente and personal health information will not be made available externally via API technology. Interchange by Kaiser Permanente makes information that is already in the public domain accessible in a more efficient way, enabling app development outside of Kaiser Permanente, which ultimately benefits consumers in the form of a broader variety of apps.

Interchange by Kaiser Permanente further enables the organization to deliver on the promise of making lives better by expanding the boundaries of total health into care anywhere—beyond hospitals and clinics into everyday life, at home and on the go.



THE POTENTIAL BUSINESS BENEFITS OF AN API MODEL INCLUDE:

- (1) **Immersive experiences for patients.** Kaiser Permanente will extend the ethos of integrated care into the digital health age by providing members with the relevant information they need, no matter where they are.
- (2) **Enhanced convenience for members.** By integrating our location information with public data sets, we can create context-aware and geolocation-based mobile apps to help find the nearest Kaiser Permanente facilities out of 37 hospitals and more than 600 medical office buildings, pharmacies, and emergency rooms, filtered by hours of operation and specialty.
- (3) **Consumer empowerment.** Improvements in wellness tools could potentially allow us to capture activity information so that members can more deeply engage in their health.
- (4) **Expanded reach of Kaiser Permanente research findings.** API technology can potentially simplify the process by which Kaiser Permanente shares externally available research publications, enabling broader reach of findings.

Data Set	Features	Benefits
Location API	<p>The first data set of information available is a Location API, which includes Kaiser Permanente facility and location information for 37 hospitals and more than 600 medical office buildings, pharmacies, and emergency rooms, filtered by hours of operation and specialty.</p> <p>The Location API can be integrated with geolocation for proximity services, directions and other map activities.</p>	<p>Kaiser Permanente members can get access to the nearest care locations dependent on the geolocation.</p> <p>Intelligent mashups can enable access to public transportation, the nearest farmers markets from our locations, and more.</p>
Wellness & Activity (Future)	Kaiser Permanente will offer access to an ecosystem of wellness devices and dashboards to manage health and wellness.	Kaiser Permanente members and non-members can leverage an ecosystem of mobile apps to manage their total health.
Kaiser Permanente Research (Future)	A searchable index of Kaiser Permanente research publications and studies.	Researchers outside of Kaiser Permanente can learn the best way to locate potential Kaiser Permanente collaborators.

