

# MVP Development in Healthcare



Your first product iteration can make or break your initial rollout. That's why the minimum viable product (MVP) process can be critical to getting the strong development foundation you need.

From balancing agility with functionality to optimizing efficiency, navigating the intricacies of building an MVP in healthcare can be daunting. But fear not, as experts at KMS Healthcare have created this timeline for you to use as a guideline. Get the competitive advantage you need to succeed in health tech today.



The minimum viable product is the version of a new product that allows a team to collect the maximum amount of validated learning about customers with the least effort.

- Eric Ries

## Timeline: What to Expect

### Phase 1:

#### Planning and Scoping Sprint 1 - Sprint 2



#### Did you know?

Each sprint should last 2 weeks. And it should take 4 months or less to complete your MVP. The whole point of an MVP is to get to market quickly and test your product. If you try to do too much and take too long, the market will sprint past you.

#### 1 Product Planning

The development team performs requirements elicitation, conducts comprehensive market research, and identifies the indispensable core features that define the MVP.

#### 2 Architecture Design

The team designs the system architecture, considering data management, interoperability, scalability, security, and integration with existing healthcare systems. They evaluate different technologies and frameworks that can facilitate efficient data storage, processing, and transmission while maintaining high levels of security and privacy.

#### 3 Scoping & Estimation

Tasks are broken down, and effort is estimated, considering complexity and dependencies. Resource availability and allocation are assessed for realistic timelines. And risk assessment and mitigation strategies are developed.

#### 4 Sprint Roadmap

The roadmap outlines the sequence and duration of each step, ensuring clear milestones. It enables effective project management, collaboration, and timely product delivery.

### Phase 2:

#### Implementation and Release Sprint 3 - Sprint 8



#### Don't forget

The team should host daily stand-up meetings and have their product backlog, sprint backlog, and product increment in place. They should likewise carry out a sprint demo to acquire acceptance from decision-makers.

#### 5 Product Design

This step focuses on creating a user-centric product interface based on insights on user needs, user personas, and user journeys. The design team then creates wireframes and prototypes to refine the interface.

#### 6 Product Implementation

Implementation involves translating the product design into functional code and building the core features. Developers use appropriate technologies and follow established methodologies to organize the process, prioritizing integration with external systems and adherence to data privacy regulations.

#### 7 Testing

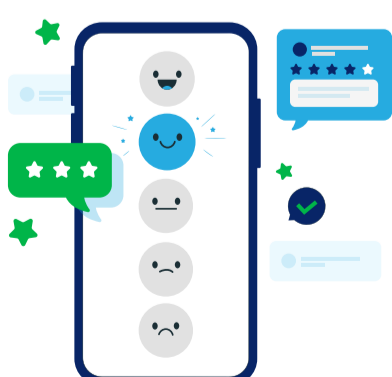
Various types of testing include functional, integration, performance, security, and compliance testing. Usability testing gathers user feedback. This step documents and resolves defects, followed by retesting and regression testing, to validate the MVP and minimize risks.

#### 8 MVP Release

The team defines the release strategy, conducts final testing, prepares documentation, and coordinates marketing efforts. The last two weeks of this phase are for user acceptance testing and production deployment.

### Phase 3:

#### Beta Testing and Support Sprint 9 - Sprint 11



#### 9 Beta Rollout and Feedback

This step ensures real-world testing and user involvement and enhances the quality and usability of the final product before a wider release.

#### 10 Defects Fixing and Critical Enhancements

The team prioritizes and addresses defects while incorporating critical enhancements based on user feedback. Regular communication and collaboration allow the changes to more accurately meet expectations.

Need help with MVP development? Contact KMS Healthcare to learn more about how we can help bring your new product idea to life with dedicated healthtech development experts.

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