**Agile Sprint Planning for Health AI Project**

**Key Definitions:**

* **Sprint: Fixed time period where the team completes selected tasks.**
* **Epic: Large feature or goal, broken down into smaller Stories.**
* **Story: Small task within an Epic.**
* **Story Point: Effort estimate (1,2,3,5) based on difficulty.**

| **Story Point** | **Effort Level** |
| --- | --- |
| **1** | **Very Easy** |
| **2** | **Normal** |
| **3** | **Moderate** |
| **5** | **Difficult** |

**Sprint 1**

**Epic 1: Data Collection**

* **Gathering Patient Data (User Story USN1) — 2**
* **Uploading Medical Reports (USN2) — 1**

**Epic 2: Data Preparation**

* **Handling Missing Patient Data (USN3) — 3**
* **Creating Health Data Features (USN4) — 3**
* **Cleaning Inconsistent Records (USN5) — 3**

**Total Story Points in Sprint 1:  
2 + 1 + 3 + 3 + 3 = 12**

**Sprint 2**

**Epic 3: Data Visualization**

* **Visualizing Patient Trends with Bar Chart (USN6) — 2**
* **Visualizing Disease Distribution Pie Chart (USN7) — 2**
* **Visualizing Patient Monitoring Line Chart (USN8) — 2**
* **Mapping Disease Spread (USN9) — 4**

**Epic 4: Dashboard Development**

* **Developing AI Health Dashboard (USN10) — 5**

**Epic 5: AI Assistant Chat Interface**

* **Developing Conversational AI Story (USN11) — 5**

**Total Story Points in Sprint 2:  
2 + 2 + 2 + 4 + 5 + 5 = 20**

**Summary:**

| **Sprint** | **Total Story Points Completed** |
| --- | --- |
| **Sprint 1** | **12** |
| **Sprint 2** | **20** |
| **Total** | **32** |

**Velocity Calculation:**

**Velocity=Total Story Points CompletedNumber of Sprints=322=16\text{Velocity} = \frac{\text{Total Story Points Completed}}{\text{Number of Sprints}} = \frac{32}{2} = 16Velocity=Number of SprintsTotal Story Points Completed​=232​=16**

**Your team’s velocity is 16 Story Points per Sprint.**