Test Results: Goal Tracking & Data Accuracy

This document summarizes the testing performed on the ActivePulse app to ensure data accuracy and a positive user experience.

Testing Environment:

- **Device:** Google Pixel 6
- **OS:** Android 12L
- **Health Connect Version:** Latest available on Play Store

1. Data Accuracy Testing

Objective: To verify that the step and workout data displayed in the app accurately reflects the data stored in Health Connect.

Test Case ID	Action	Expected Result	Actual Result	Status
DA-01	Walk 500 steps. Open app and refresh.	App displays 500 more steps than the previous value.	App correctly displayed an increase of 500 steps.	**Pass**
DA-02	Record a 15-minute workout in a connected app.	App displays 15 more workout minutes.	App correctly displayed an increase of 15 minutes.	**Pass**
DA-03	No new activity. Refresh data multiple times.	Step and workout values remain unchanged.	Values remained stable and accurate.	**Pass**
DA-04	Clear Health Connect data for the day.	App displays 0 steps and 0 workout minutes.	App correctly reset values to 0.	**Pass**

2. User Experience (UX) Testing

Objective: To ensure the app is intuitive, responsive, and handles permissions and goal setting correctly.

Test Case ID	Action	Expected Result	Actual Result	Status
UX-01	First-time launch. Deny permission request.	App shows a "permission denied" message and data is zero.	App behaved as expected.	**Pass**
UX-02	First-time launch. Grant permission.	App loads and displays data from Health Connect.	App loaded data successfully.	**Pass**
UX-03	Set a new steps goal of 5,000.	The goal on the dashboard updates to 5,000.	Goal updated instantly. Progress bar adjusted correctly.	**Pass**
UX-04	Enter a non-numeric value in the goal field.	App does not crash and uses a default value.	App handled the invalid input gracefully.	**Pass**
UX-05	Use the app on a device where Health Connect is not available.	App displays an informative message and does not crash.	App correctly showed the "not available" screen.	**Pass**

Summary

All test cases passed successfully. The app demonstrates high data accuracy and a stable, user-friendly experience. The core functionalities of tracking goals, setting new goals, and

integrating with Health Connect are working as intended.