

Digital Health Platform

Chapter One: Byron's Story

VA's Digital Health Platform (DHP) is at the heart of every stage of this Veteran's experience: the liberation of his data, the implementation of his care plan, the integration of his clinical encounters, and ultimately, his change to a successful medication.



Meet Byron, a teacher, father, and Iraq war Veteran.

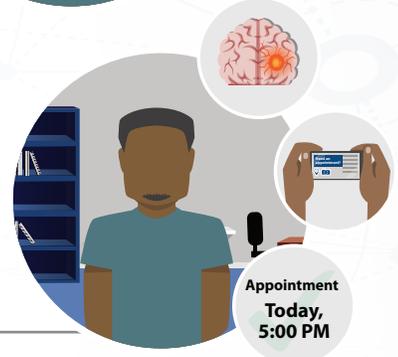
Byron's medical data is part of VA's DHP, automatically imported after he separated from the military. At his first appointment at VA, the clinician notices the presence of a Traumatic Brain Injury (TBI) and flags that in DHP.

DHP automatically notifies Byron's VA primary care provider and recommends a TBI care pathway. Byron's Care Plan is updated accordingly.



Two months later, Byron suffers a seizure at work, loses consciousness, and is transported to a local hospital.

DHP automatically collects his Episodic Care Record from the local hospital and initiates a referral for a VA neurology appointment. Byron forgets to schedule his appointment, and after 72 hours, DHP automatically intervenes to put Byron in touch with his VA provider. At Byron's appointment, his doctor prescribes medication and a mobile seizure tracking application for his smartphone.



Through the application, DHP tracks multiple seizures over the next four weeks and notifies the doctor, whose nurse increases Byron's dosage. But Byron needs a solution—fast. He wants to continue teaching, but he doesn't have time to test which medications will still allow him to drive to work and continue to care for his daughter.



At Byron's next visit, DHP prompts his doctor to run the Epilepsy Analytics Module to assess his clinical history. The module returns 15 anti-epileptic drugs and further refines and recommends three drugs that have been successful with other patients like Byron, and will allow him to continue to drive. Byron and his doctor choose a new medication with the highest likelihood of success.



The change in medication, enabled by DHP, has kept Byron seizure-free for six months. As a result, he is able to continue doing what he loves, live an active lifestyle, and take care of his daughter.

