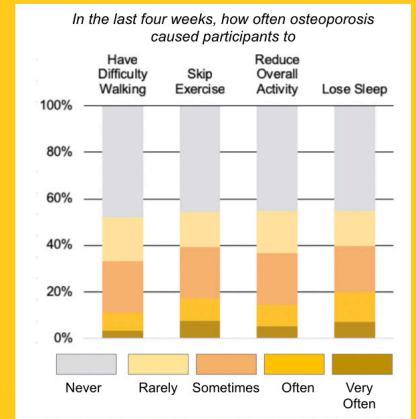


Understanding disease burden and patient impact

Person-generated health data (PGHD) provides valuable insights into disease impact on quality of life



Challenge

The objectives were to enhance our understanding on how individuals living with osteoporosis are impacted in everyday life, including disease management.

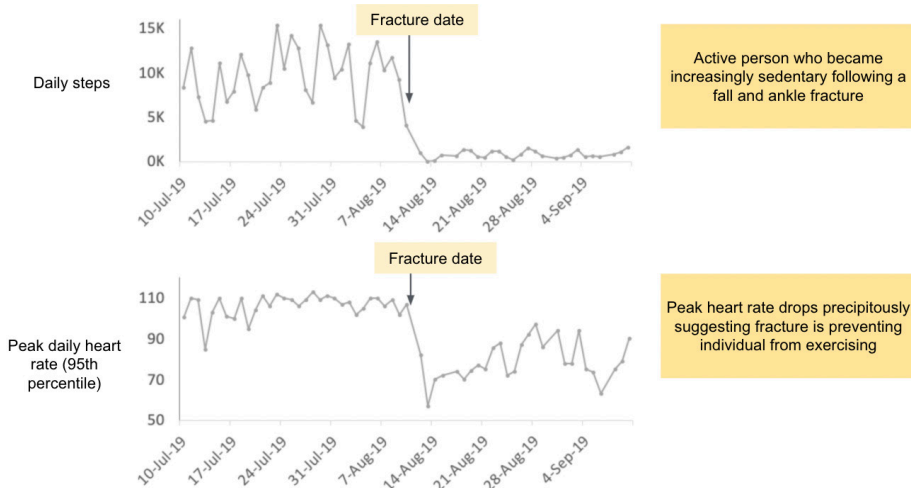
Solution

Within one week, Evidation was able to quickly recruit over 1,000 individuals with osteoporosis from its connected platform Achievement. Of these participants, about 600 shared their activity data via wearables. In addition, Evidation captured self-reported information, including demographics, comorbidities, fall activity, fracture history, medication usage, healthcare utilization and impact on quality of life.

Results

Evidation’s research demonstrated correlation between self-reported impact of osteoporosis with objectively recorded mobility. It was found that higher impact is correlated with fewer average daily steps and slower peak movement, and higher levels of anxiety and depression due to osteoporosis are associated with less sleep. In contrast with discontinuation seen with other medications, individuals taking Prolia/Xgeva reported continued use.

For select participants who self-report falls within the previous year, taking an individual-level view can reveal the humanistic impact of osteoporosis. For example, as seen below, one female participant aged 61 reported a fall and fracture, which showcased a dramatic reduction in daily activity levels and ability to manage her diabetes.



IDENTIFY

Evidation was able to objectively identify and segment patients by symptom control



ENGAGE

Our platform captured a robust set of self-reported information and data from our Achiever population

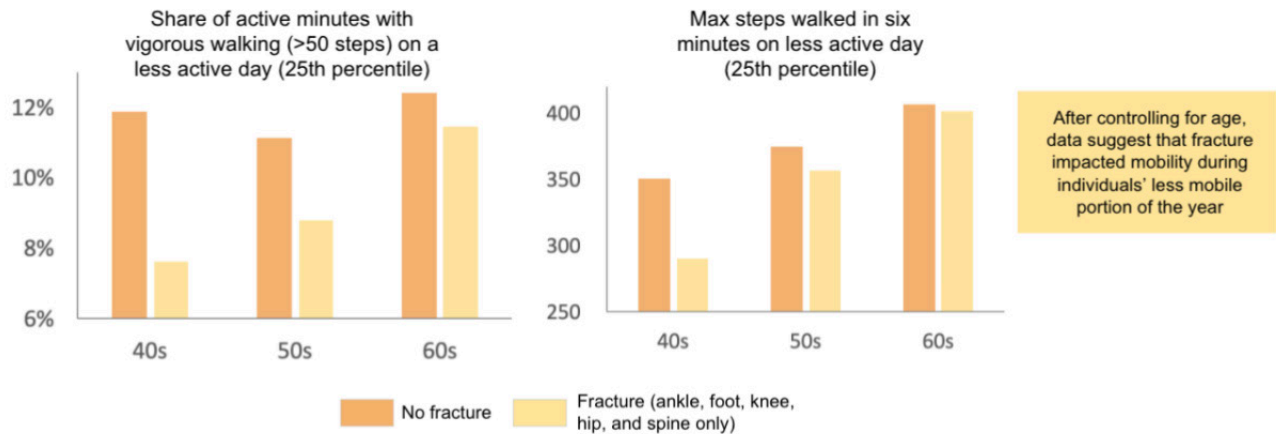


DELIVER

Actionable insights and disease impact measures were provided with speed and rigor

Respondents reported some fall and fracture activity within the previous year, with 44% reporting at least one fall

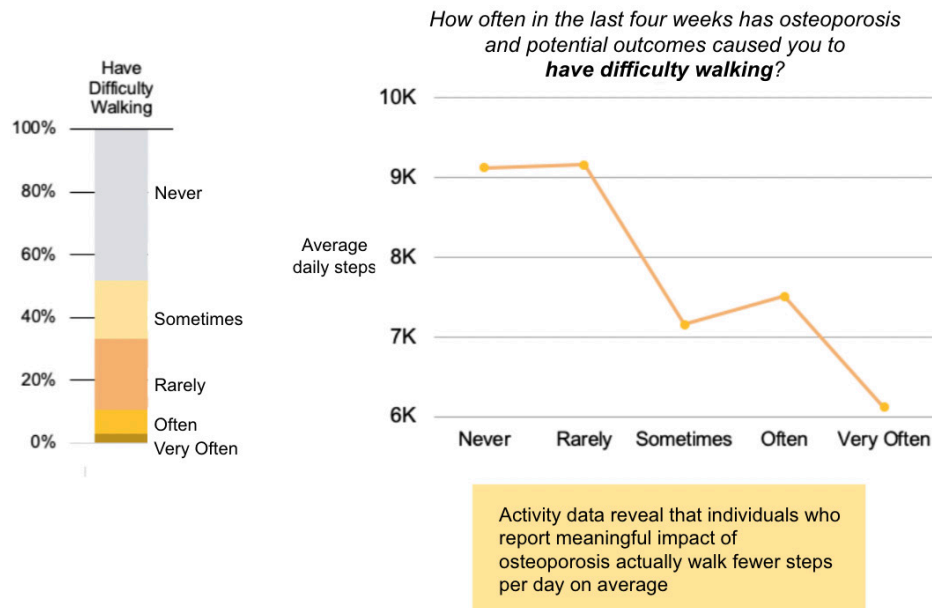
Individuals with a recent fracture moved less on their more sedentary days than peers within the same age group



Note: Due to relatively low sample sizes in the fracture cohort, sub-analyses by fracture site were not conducted; similarly formal statistical tests were not performed.

Individuals reported a range of the condition's impact on their lives

For those who reported an impact on mobility, Evidation saw real differences in daily steps / levels of vigorous activity between respondents based on self-reported impact



Evidation works across a broad spectrum of therapeutic areas delivering a diverse population of engaged individuals who are interested in better health outcomes. Partner with us.

Evidation's mission is to empower everyone to participate in better health outcomes

We measure health in everyday life and enable anyone to participate in ground-breaking research and health programs. Built on a foundation of user privacy and control over permissioned data, Evidation's Achievement platform is trusted by millions of individuals—generating data with unprecedented speed, scale, and rigor.

evidation