AirFit Mobile Application

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Introductions

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Wearable Tech Providers

fitbit  kokoon  GARMIN

Apple  moov™  TomTom®

Levi's® Jacquard by Google  Samsung  Xiaomi

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Wearable Tech Growth

### Wearable device market value from 2010 to 2018 (in million U.S. dollars)

<table>
<thead>
<tr>
<th>Year</th>
<th>Value (in million U.S. dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>63</td>
</tr>
<tr>
<td>2011</td>
<td>630</td>
</tr>
<tr>
<td>2012</td>
<td>1,260</td>
</tr>
<tr>
<td>2013</td>
<td>2,520</td>
</tr>
<tr>
<td>2014</td>
<td>5,166</td>
</tr>
<tr>
<td>2015</td>
<td>7,140</td>
</tr>
<tr>
<td>2016</td>
<td>8,862</td>
</tr>
<tr>
<td>2017</td>
<td>10,920</td>
</tr>
<tr>
<td>2018</td>
<td>12,642</td>
</tr>
</tbody>
</table>

Source: Business Insider
© Statista 2014

Additional Information
Worldwide
AirFit Architecture
AirNow Data

AirNow API is publically available and receives real-time air quality observations from more than 2,000 monitoring stations and collects forecasts for more than 300 cities.

➤ Search for conditions by zip code or geographic coordinates
➤ Air quality forecasts and action days issued by air quality agencies.
➤ Real-time air quality observations by reporting areas
➤ Historical air quality observations by reporting areas
➤ Specify a distance range, and the web service will return information for the nearest reporting area
Wearable Tech Data

- Daily Activity Summary
- Frequent activities
- Log activity
- Recent activities
- Favorite activities
- Body fat logs
- Activity goals
Integrating AirNow and Wearable Tech

- View the number of steps taken compared to the air quality on a specific day
- Receive information about air quality in my area
- Track personal activity level per day over a period of time
- Track when you exercise indoors versus outdoors
- Choose your location to view air quality and the amount of activity you have in that location
AirFit Workflow – Install App

Do you want to install this application? It will get access to:

- PRIVACY
  - precise location (GPS and network-based)
  - read your contacts
  - read your own contact card
  - find accounts on the device

- DEVICE ACCESS
  - full network access
  - view network connections

CANCEL    INSTALL

Installing...

App installed.

DONE    OPEN
Sign in with Fitbit
Select Your Location

- AirFit
- Select this location
  
  Select this location
  
  Tobacco Road Sports Cafe
  
  280 S Mangum St #100, Durham, NC 27701,
AQI and Activity Level
AirFit Metrics
As the public, you can...

- Understand AQI ratings and what it means to them and their activity choices
- Receive information on recommended exercise environments or suggested periods of time for when to partake in physical activity
- Make more informed choices for your health
As the EPA, you can...

- Access accumulated data from the public who are using wearable fitness tracker technology to review activity choices
- Determine if there is any connection between air quality and physical activity
- Identify areas where infrequent exercise coincides with poor air quality
- Recommend particular exercise environments based on a larger set of air quality data
Future Capabilities

- Collect demographic data about the individual to personalize the recommendations and alerts
- Show alerts when there is good air quality so user knows when to exercise
- Make recommendations for daily activities based on air quality and personal settings (e.g. allergies)
- Provide additional data regarding the specific pollutants and how they impact your recommended activity level
- Integrate with other types of wearable technology devices
Thank You