

Geolocation Strategy

Goal

Provide localized information about doctors, locations, and events in a clear, usable manner while leveraging the scope of offerings of the entire Henry Ford Health System.

High Level Overview

One approach to geolocation is to personalize in the appropriate "setting." This strategy will present the ability to personalize content closest to you within context to what would be personalized. We recommend this approach over a global navigation element found on ecommerce sites such as Target or Home Depot. We do not recommend a global setting for Henry Ford Health System because:

- All Henry Ford Health System locations are within a relatively small radius, thus site visitors
 would likely be willing to travel to a more distant location if that location was best able to serve
 their need.
- The ecommerce model assumes the primary goal of the site visitor is to find a location nearby to go purchase a commodity item and most likely not willing to drive.

For Henry Ford Health System we recommend a geolocation strategy that always connects to a specific digital task or piece of information. This means the geolocation across the site happens in context of the moment where it is most needed rather than as a global site wide control.

- On a healthcare site, visitors arrive with a variety of needs related to location and are best served by opportunities to see the closest location while looking for specific information or performing a specific task.
- Content will be rewritten to tell the story of Henry Ford Health System, and related physicians, locations, and events will dynamically surface in the context of the overarching system experience.
- Research shows that users are hesitant to provide personal information unless they see a benefit. Presenting this globally removes the context and could reduce interaction with the feature.



Implementation

Geo-Located Elements

The following include geo-location functionality

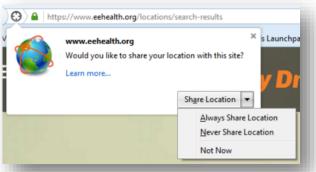
- Location and physician search
 - Prefilled ZIP code with the ZIP code of the visitor's location
 - o "Find Near Me" function
- Location search result pages display miles away information if we know the user's location
- Related providers near me
- Related locations near me
- Related upcoming events near me

Location Detection

- Your site uses HTML5 device/browser location detection for explicit location information given by the user. In a usability test data of this behavior:
 - Most participants allowed the site to use their location when a user interaction triggered the prompt
 - Two-thirds of participants allowed the site to use their location data when it was automatically prompted
 - o Popular sites like Facebook, Google, and Foursquare etc. obtain geolocation of the user only when the user clicks a button which triggers an event. Some of these sites make an extra prompt to allow the site to access their geolocation data in the next visit and thereafter
 - The location interaction sets a cookie on the user's machine.
 - o Users that cross devices will need to set their location at each device
 - o Recommendation: confirm your privacy policy is current for this activity

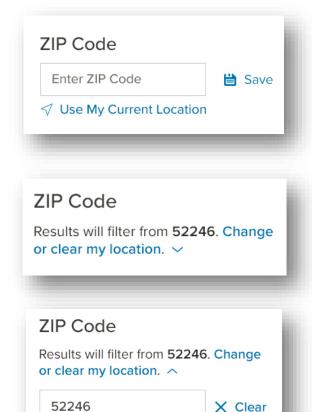
Once a user has a set location

- The site will set a user's location if they have used the browser geolocation link "use my current location" or if the user enters their ZIP and selects "save." When a location is set, the site will display the user's selected location within appropriate contexts. Examples include:
 - Location Search (prefills ZIP)
 - Physician Search (prefills ZIP)
 - o Our Team pages, "Related Doctors Near Me" (filters results by closest to furthest)
 - Related Classes & Events Near Me (filters results closest to furthest)
 - o Related Locations Near Me (filters locations closest to furthest)





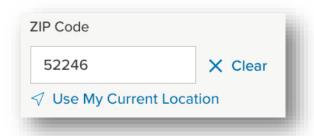
- If a user has not shared or set their ZIP, the ZIP field in module search will be open when the page loads. The user may save their location in context where it is displayed by entering a ZIP Code and clicking "Save" or clicking "Use My Current Location."
 - If user hovers over the "Save" link a tooltip appears describing what happens
- If the user has already saved or shared their location, the ZIP field will show collapsed with the text "Results will filter from <u>ZIP</u>.
 Change or clear my location"
- The user may change their location in context where it is displayed by clicking "Change or clear my location" and entering a new ZIP Code and clicking "Save" or clicking "Use My Current Location"
 - If user hovers over the "Clear" or "Save" link a tooltip appears describing what happens
 - When a user clicks "Clear" from this screen they will see the initial state with exposed ZIP Code input and "Save" link appear
 - When a user clicks "Use My Current Location" geolocation is set to the new location.
- Behavior will be tracked via Google Analytics



√ Use My Current Location

Clearing Location

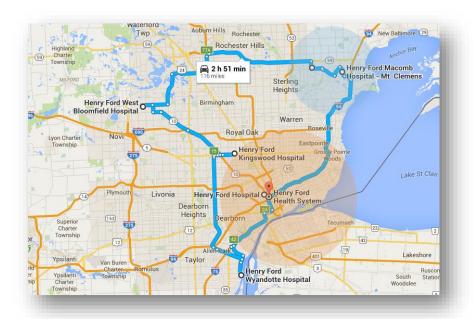
- A user can clear their geolocation within the "set my location" control on module results pages by clicking "Clear"
- Behavior will be tracked via Google Analytics





Establishing Distance Priorities

- By default, the locations, physicians and events will show closest first. If the closest location is 50 miles, it will show that one first.
- The number of locations, physician and events to display are determined within the design.
- "View all" shows within each related control and will take the user to the search results page showing all applicable results sorted by closest to farthest.
- A user can set their location via the follow interactions:
 - Browser detection
 - ZIP entry within a
 Find a Doctor, Find a
 Location or Classes
 & Events search





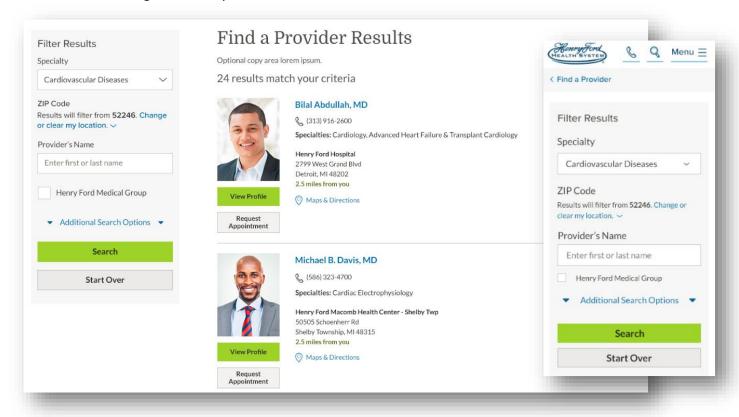
Module Search Functionality

Our Doctors

"Our Doctors" in a global navigation area links to the physician search.

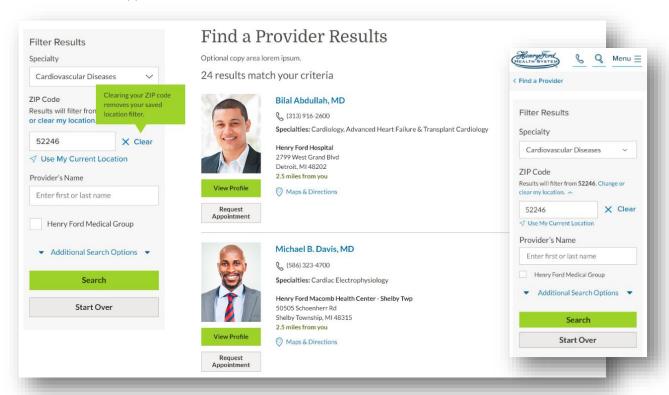
If location has been set or shared,

• The ZIP code of the location appears under the ZIP Code field heading, with a link to "Change or clear my location"





- User must click link to expose ZIP Code input field
- User clicks "Clear" to remove geolocation data, then the ZIP Code field and Save link appear
 - If user hovers over the "Clear" or "Save" link a tooltip appears describing what happens

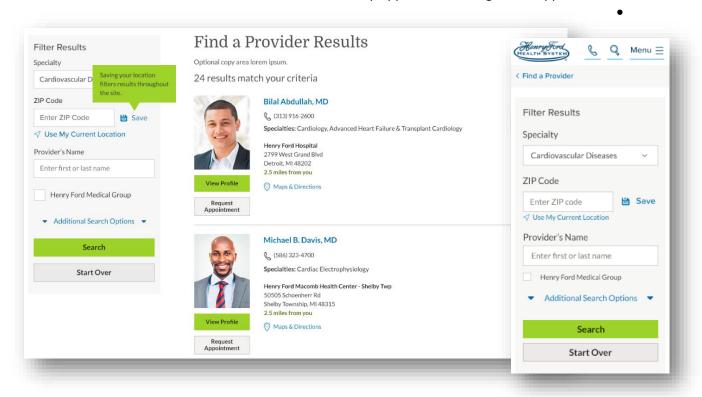


 Doctor results will display how many miles away from current location and sort closest to furthest



If we do not know location,

- ZIP is is not prefilled in the search and the ZIP field is open
 - User can set location by entering a ZIP and clicking "Save" or "Use My Current Location"
 - o If user hovers over the "Save" link a tooltip appears describing what happens



 Doctor results sort alphabetically unless a ZIP has been entered then results display how many miles away from current location and sort closest to furthest

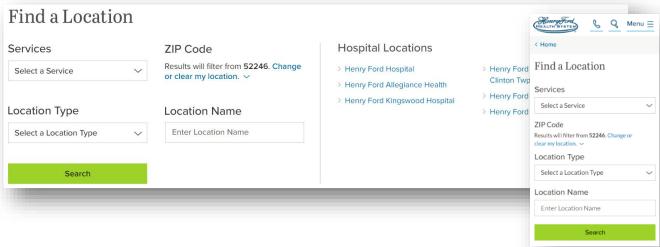


Our Locations

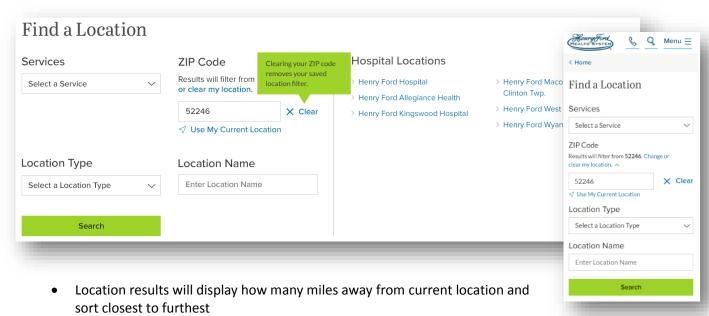
"Our Locations" in a global navigation area links to the location search.

If we know location,

 The ZIP code of the location appears under the ZIP code field heading, with a link to change or clear my location



- User must click link to expose ZIP code input field
- User clicks "Clear" to remove the ZIP code, then the ZIP Code field and Save link appear
 - If user hovers over the "Clear" or "Save" link a tooltip appears describing what happens

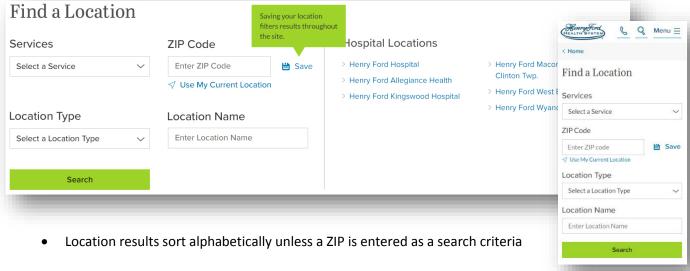


If location is not known,

• ZIP is is not prefilled in the search



- User can set location by clicking "Save" or "Use My Current Location"
- o If user hovers over the "Save" link a tooltip appears describing what happens

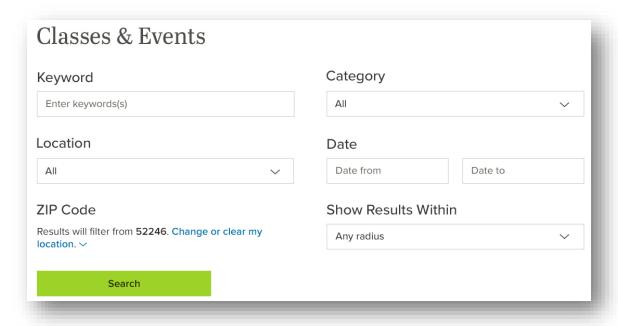


Classes & Events

"Classes & Events" in a global navigation area links to the classes & events search.

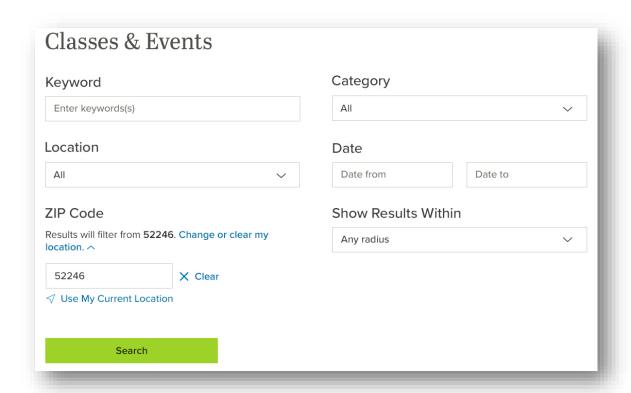
If we know location,

- Class results will display how many miles away from current location and sort closest to furthest
- The ZIP code of the location appears under the ZIP Code field heading, with links to change or clear location.



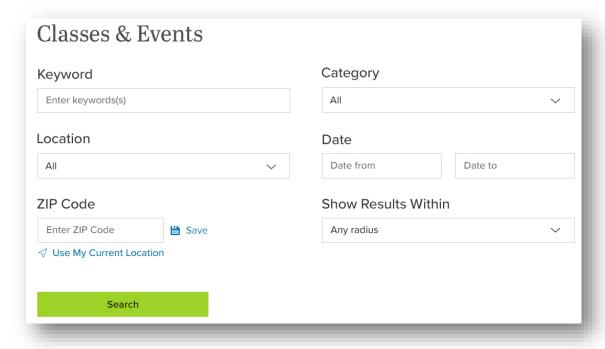
• If expanded, the ZIP field opens allowing the user to clear their location, enter a new location and save, or use the browser geolocation link "use my current location" to update.





If we do not know location,

- ZIP is is not prefilled in the search
 - User can set location by clicking "Save" or "Use My Current Location"
 - o If user hovers over the "Save" link a tooltip appears describing what happens



Class results sort in chronilogical order unless ZIP is entered as a search criteria

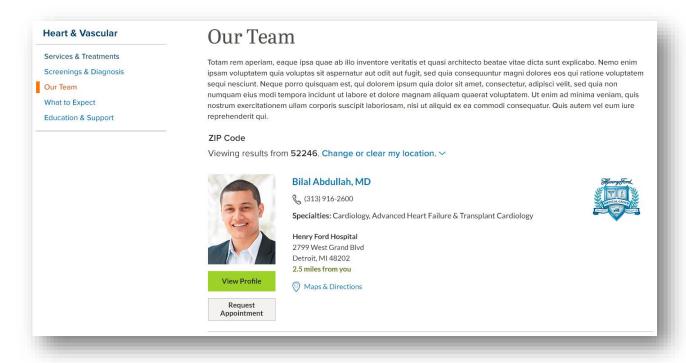


Module Controls: Related Providers, Locations and Events "Near Me"

Related Providers Near Me

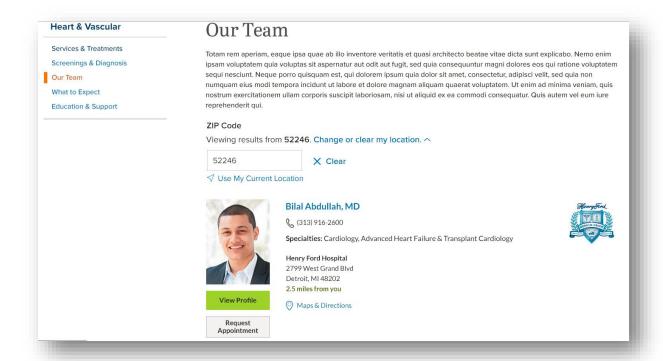
On service line landing pages and service line interiors there will be a control that allows for linking to an "Our Team" page which will display related physicians.

- If the user's geo-location is known,
 - Related (via taxonomy) physicians display in order from closest to farthest away.
 - There are no special ordering rules such as:
 - Primary location
 - Physician title
 - If all physicians are the within same distance, they will sort alphabetically.
- The ZIP Code appears above the providers.
 - User must click "Change or clear my location" to change location

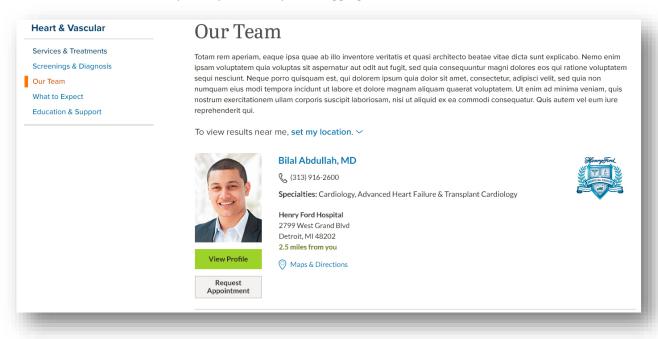


- Then, the ZIP code of the location appears, with a link to change or clear location
- Clicking "Clear" from the ZIP code entry screen will expose the initial non-geolocated state again



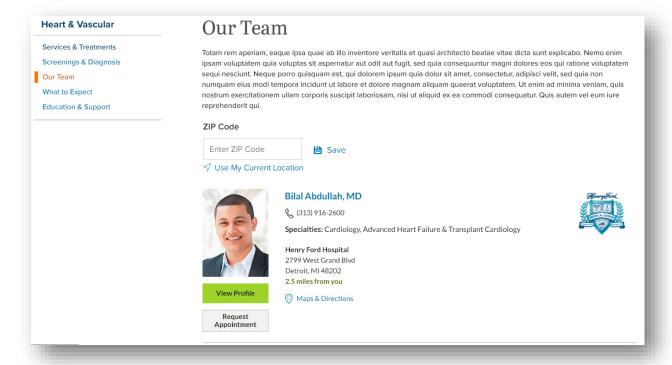


- If the user's location is unknown,
 - The "Our Team" page will display related physicians in alphabetical order. The user may sort by distance on this page by sharing or entering their location.
 - The taxonomy relationship with physicians is determined by the Find a Doctor specialty taxonomy field tagging.





 When a user clicks "set my location" additional fields are exposed that allow a user to enter ZIP code and "Save" or "Use My Current Location" to set location

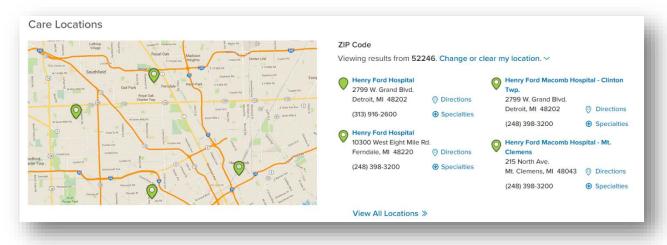


Related Locations Near Me

On landing and interior pages, there the "Care Locations" control allows for linking to or displaying related locations.

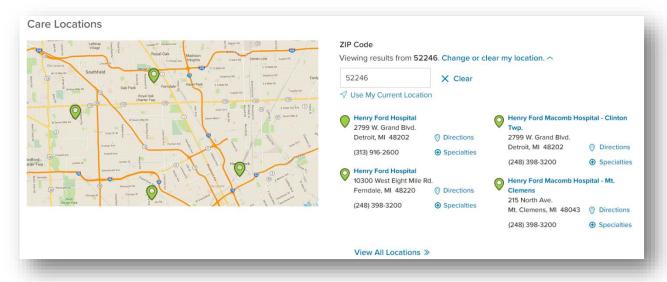
If the user's geolocation known,

- The control shows up to four nearby related (via taxonomy) locations. The user can see the ZIP setting and a link to "change or clear my location" within the control.
- "View All Locations" takes the user to the location search result page showing all related locations sorted closest to furthest from the user's location.



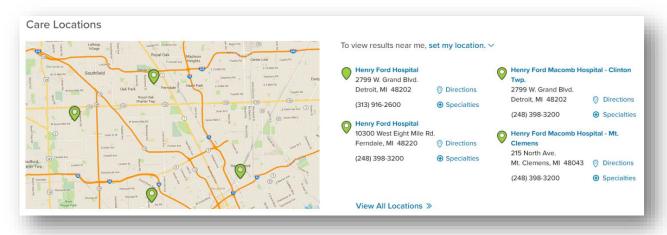


- If the user opens "Change or clear my location," the ZIP code of the location appears, with a link to clear location or "use my current location" to update the browser setting.
 - Clicking "Clear" from the ZIP field will clear the saved ZIP and allow the user to manually add and save a zip or select the "Use My Current Location" link to prefill.



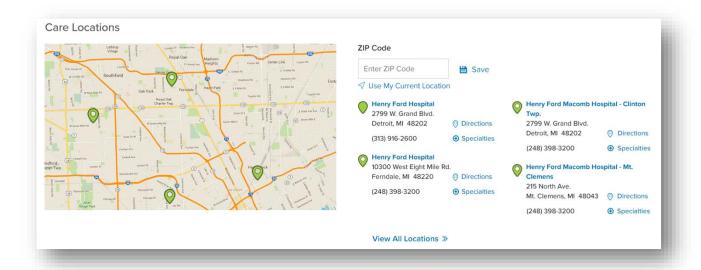
If the user's location is unknown,

• The control will display related locations in alphabetical order along with a prompt to "set my location."



• When a user clicks "set my location" additional fields are exposed that allow a user to enter ZIP code and "Save" or "Use My Current Location" to set location.

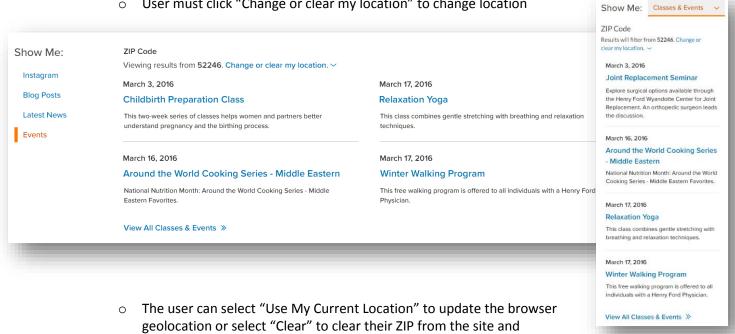




Related Events Near Me

On all page templates, in the "Show Me" control, there is a space reserved for 1-4 events, which can be display according to geolocation rules.

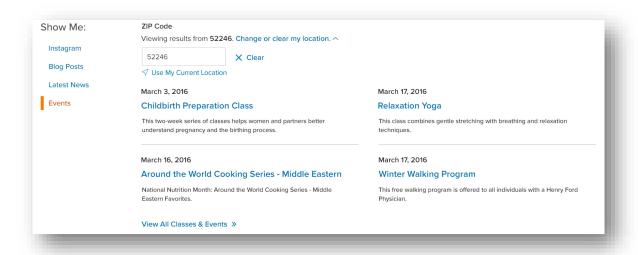
- If a user's location is known,
 - Features will display based on related (taxonomy), soonest start date, and distance from the user.
 - "View All Classes & Events" takes the user to the classes and event search result page showing all related classes and events sorted by soonest start date and location closest to furthest from the user's location.
- The ZIP Code appears above the events.
 - User must click "Change or clear my location" to change location



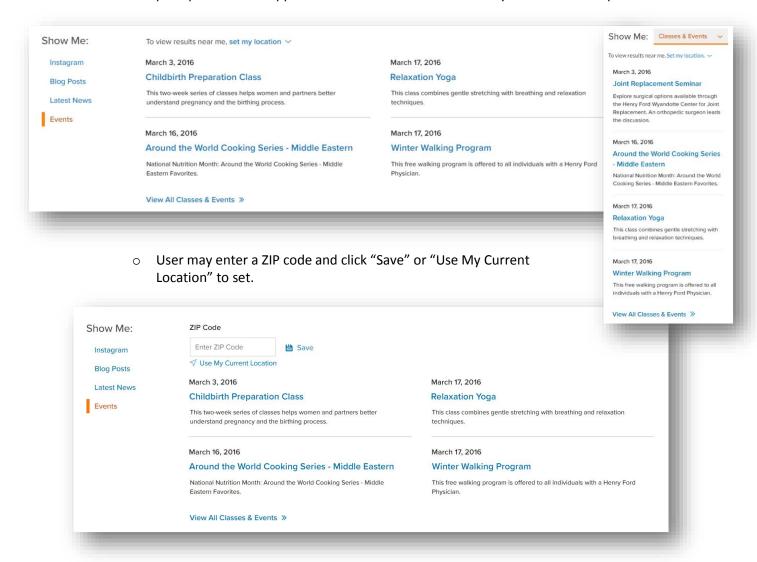
"Save."

continue browsing or reset by manually entering a ZIP and clicking





- If geo-location is unknown,
 - Classes and events will display based on taxonomy and soonest start date. There is a prompt within the upper left area of the control to "set my location" and expose ZIP.





 "View All Classes & Events" takes the user to the classes and event search result page showing all classes and events sorted by soonest start date.