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# Custom WordPress Fully ADA WCAG 2.1 AA Compliant Website Development for Athens, Georgia Public Health.



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## The Brief

The client is a government organization, Providing Public Healthcare services in Georgia Athens services 10 counties of northeast Georgia. Their primary objective is to Provide free and low-cost services to everyone within their area and promoting healthy lifestyles among community members.

The client reached out with requirement of revamping their existing WordPress website as per best UI/UX practices and making their website fully ADA WCAG 2.1 AA level compliant, without using any Widget / plugin.



# Project Details



## Industry

Public Health



## Project Size

Medium



## Services

Website redesign

Automated and Manual Website Accessibility Audit

Custom WordPress Development

ADA web accessibility remediation services

ADA website accessibility consulting & support

Website Maintenance retainer



## Platform

WordPress



## Challenges

- ➡ All county health departments were organizing events to promote health-related services and awareness events. They wanted to create a dynamic county section with quick helpful links and county-specific services where they could easily manage all the events & they want to make sure; it should be easy to navigate for the users.
- ➡ Another challenge was the location page with the map integration of all different health departments in an organized, convenient, and easy to navigate for the users. There were a few areas/locations which only had P.O Box number.
- ➡ In order to be efficient they wanted to add new jobs and Press Release automatically using API and Data Scraping from state website.
- ➡ They had Covid data dashboard with custom charts and information as HTML file format, generated from third party application and it was required to be Integrated seamlessly and dynamically within website, and we had to make sure Covid Dashboard design would be changed as per state guidelines automatically once it is upload on new website.
- ➡ Along with custom design we had to ensure website must be Fully ADA WCAG 2.1 AA compliant with the best website accessibility practices for future updates as well.
- ➡ As this was a public health website, another challenge was to add translator with following the brand guidelines and had to make sure any names, contact number and address are not automatically translated along with other web page content.
- ➡ They wanted us to complete their website in about 12 to 14 weeks. although at the same time, they were very flexible and helpful and supportive about providing us required information/approval on or before time.



# Approach and Solution

We analyzed the client's existing website; tried to understand targeted audience behaviour and how other public health department websites are structured in state of Georgia.

The client were super helpful and they made sure we understand their organizational background, services and programs, the history and current state of their website, and most importantly their website revamp goal and objective.

- ➡ We created a sitemap to redesign information architecture.
- ➡ We had revamped home page and other key pages such as locations with map integration and easy to filter by county, zip code or department; counties with quick helpful links, services, closure, and events; events with search, easy to filter and calendar integration.
- ➡ Moreover, we have revamped services, payments & Insurance, dynamic data dashboard, jobs, news, teams, resources sections per client's requirement.
- ➡ We have added bulk event upload feature, appointment, automated job functionality, and press releases via data scrapping. In addition, we have added functionality to enable users to add events to their calendar.
- ➡ To reduce security risks, we enhanced website data security, anti-spam protection, and firewall protection.
- ➡ We followed WCAG 2.1 AA level and did both manual and automated testing and remediated errors accordingly to ensure the website's accessibility.





# Approach and Solution

For manual website accessibility testing, the following assistive technologies were used:

- ➔ NVDA (Non Visual Desktop Access)
- ➔ All in One Accessibility Screen Reader
- ➔ JAWS (Job Access with Speech)
- ➔ Voiceover

For automated website accessibility testing, the following tools were used:

- ➔ Monsido
- ➔ WAVE





## Result

- ➔ The redesigned multilingual website has improved UX, performance, usability, security, and mobile readiness.
- ➔ Website speed has been significantly improved.
- ➔ The website is now WCAG 2.1 AA level compliant and continues to follow the best website accessibility practices for future updates.







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Thanks for Your Time. Any Questions? You can connect with us at:



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