



# Keeping Accessibility In-Mind

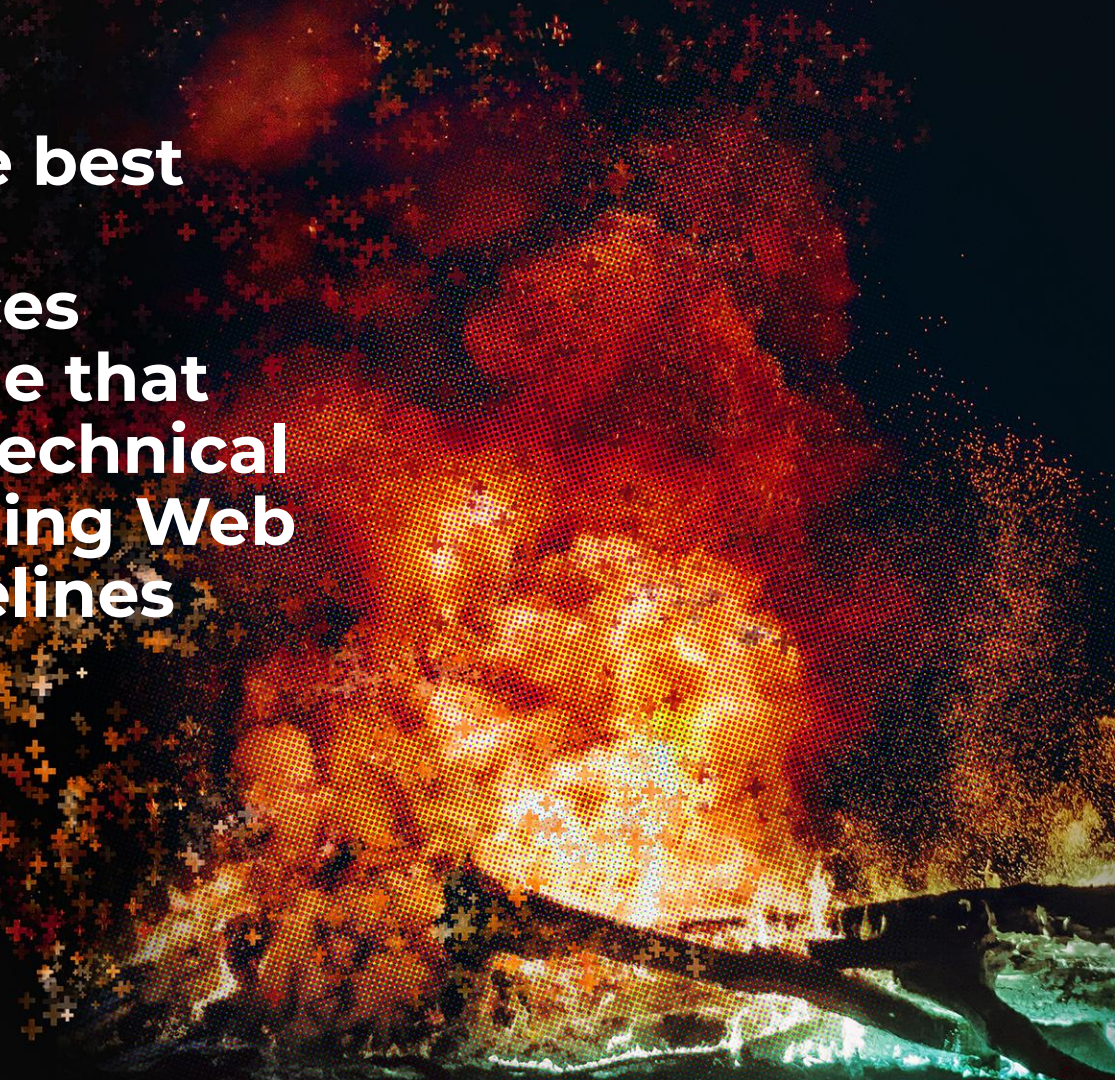
2020





prometSource

**We strive to be the best technical digital accessibility services company. The value that we provide is the technical expertise in providing Web Accessibility Guidelines Implementation.**



# Assistive Technology - Example

Wilmette Golf Club Open

## Explore! WILMETTE

The image is a grid of six photographs, each with a dark grey label at the bottom. The top of the grid has a light green header with the text 'Wilmette Golf Club' and a green button labeled 'Open'. Below the header is the text 'Explore! WILMETTE' in a red, cursive font. The grid contains the following images and labels: 1. Top-left: Children playing on a playground structure. Label: 'PARKS'. 2. Top-middle: A golfer in mid-swing on a green field. Label: 'GOLF CLUB'. 3. Top-right: Two people kayaking on a blue lake. Label: 'LAKEFRONT'. 4. Bottom-left: A woman in a pink shirt playing tennis. Label: 'TENNIS CLUB'. 5. Bottom-middle: A person swimming in a pool. Label: 'AQUATIC CENTER'. 6. Bottom-right: A person ice skating. Label: 'ICE RINKS'. A white URL 'https://www.wilmettepark.org/aquatic-center' is located at the bottom left of the grid.

<https://www.wilmettepark.org/aquatic-center>



DHS > about IDHS > Initiatives >

## Illinois Information Technology Accessibility Act (IITAA)

The Illinois Information Technology Accessibility Act (IITAA) requires Illinois agencies and universities to ensure that their web sites, information systems, and information technologies are accessible to people with disabilities. While the [Americans with Disabilities Act](#) and [Section 504 of the Rehabilitation Act](#) already require the State to ensure accessibility, the IITAA establishes specific standards and encourages the State to address accessibility proactively.

- [Public Act 095-0307](#)
- [IITAA Frequently Asked Questions](#)

### IITAA 2.0

The IITAA requires the State to review and update its accessibility standards to reflect advances and changes in information technology. As of July 18, 2017, the IITAA Standards Workgroup has completed and published updated standards that harmonize Illinois' requirements with the revised Federal [Section 508 Standards](#) and the World Wide Web Consortium's [Web Content Accessibility Guidelines \(WCAG\) 2.0](#). In accordance with the Act, the updated IITAA Standards will apply to information technology developed, procured, or substantially modified after January 18, 2018.

- [About the IITAA Standards Update](#)
- [IITAA 2.0 Standards](#)
- [IITAA 2.0 Techniques](#)

# Your users' goals

- Your users' main goal is to be like everyone else, and that means using the web to perform their daily tasks, to gather news and information, and to provide entertainment amongst other things.
- According to W3C, there are five main types of disabilities:
  - Visual
  - Auditory
  - Cognitive, learning, and neurological
  - Physical
  - Speech
- It is now a responsibility of web site maintainers to make them accessible

# WCAG

- Web Content Accessibility Guidelines (WCAG) is developed through the W3C process in cooperation with individuals and organizations around the world, with a goal of providing a single shared standard for web content accessibility that meets the needs of individuals, organizations, and governments internationally.
- The WCAG documents explain how to make web content more accessible to people with disabilities.

WCAG is primarily intended for:

- Web content developers (page authors, site designers, etc.)
- Web authoring tool developers
- Web accessibility evaluation tool developers



prometSource

**WCAG**

# Ref: Accessibility Checklist Levels: Perceivable Guidelines

Guideline	Level A	Level AA	Level AAA
1.1 Non-Text Content	<ul style="list-style-type: none"><li>• Alt text or CSS backgrounds on all image elements &amp; their links</li><li>• Descriptive values on form buttons</li><li>• Text labels associated with form input fields</li><li>• Text identifiers for embedded multimedia</li><li>• Frame titles</li></ul>		
1.2 Video, Audio & Captions Time-based Media	<p>For non-live content:</p> <ul style="list-style-type: none"><li>• Descriptive text for audio</li><li>• Descriptive text OR audio for video w/ no audio track</li><li>• Synchronized captions &amp; descriptive text OR audio for full video</li></ul>	<p>For non-live content:</p> <ul style="list-style-type: none"><li>• Audio descriptions for all video content</li></ul> <p>For live content:</p> <ul style="list-style-type: none"><li>• Synchronized captions for all audio content</li></ul>	<p>For non-live content:</p> <ul style="list-style-type: none"><li>• Sign language video for all audio content</li><li>• Alternate video versions to sync audio/video timing</li><li>• Text transcript for all video content</li></ul> <p>For live content:</p> <ul style="list-style-type: none"><li>• Text transcript for all audio content</li></ul>





# Ref: Accessibility Checklist Levels: Perceivable Guidelines

Guideline	Level A	Level AA	Level AAA
1.3 Adaptable Content	<p>Information Relationships</p> <ul style="list-style-type: none"><li>• Semantic markup on headings and emphasized/ special text</li><li>• Table data associations, captions &amp; summaries</li><li>• Text labels associated with form input fields &amp; field grouping</li></ul> <p>Meaningful Sequence</p> <ul style="list-style-type: none"><li>• Intuitive reading &amp; navigation order</li></ul> <p>Sensory Characteristics</p> <ul style="list-style-type: none"><li>• Instructions do not include shape, size, or visual location &amp; do not rely on sound</li></ul>		
1.4 Distinguishable Content	<ul style="list-style-type: none"><li>• Color cannot be used alone to distinguish visual elements or links</li><li>• Audio control mechanisms</li></ul>	<ul style="list-style-type: none"><li>• Text &amp; image contrast ratio requirements</li><li>• Text size requirements</li></ul>	<ul style="list-style-type: none"><li>• Stricter text &amp; image contrast ratio requirements</li><li>• Low background noise on speech audio</li><li>• Requirements for text blocks over 1 sentence long</li><li>• Text in images are decoration only</li></ul>



# Ref: Accessibility Checklist Levels: Operable Guidelines

Guideline	Level A	Level AA	Level AAA
2.1 Keyboard Access	<ul style="list-style-type: none"><li>• As much functionality as possible is available via the keyboard &amp; is not trapped on one page element</li><li>• Shortcut/access keys are compatible with current browsers</li></ul>		<ul style="list-style-type: none"><li>• All page functionality is available via the keyboard</li></ul>
2.2 Timing	<ul style="list-style-type: none"><li>• Options to adjust timing for page/ application / scrolling/ automatically updating content</li></ul>		<ul style="list-style-type: none"><li>• Content has no time limits</li><li>• Interruptions can be controlled by the user</li><li>• Maintaining authentication data over page time-outs</li></ul>
2.3 Seizures	<ul style="list-style-type: none"><li>• Page content does not flash more than 3x/sec unless exceptions</li></ul>		<ul style="list-style-type: none"><li>• Page content does not flash more than 3x/sec</li></ul>
2.4 Navigation	<ul style="list-style-type: none"><li>• Requirements for skipping navigation</li><li>• Navigation is intuitive &amp; distinguishable</li><li>• Descriptive page titles</li></ul>	<ul style="list-style-type: none"><li>• Multiple options for finding pages on the site</li><li>• Heading &amp; label requirements</li><li>• Visual indicator for which element has keyboard focus</li></ul>	<ul style="list-style-type: none"><li>• Sequential indicators for current page location</li><li>• Link purpose distinguishable from link text</li><li>• No same link/ text combos go to different locations</li><li>• Individual content sections have headings</li></ul>



# Ref: Accessibility Checklist Levels: Understandable Guidelines

Guideline	Level A	Level AA	Level AAA
3.1 Readable	<ul style="list-style-type: none"><li>HTML attributes used</li></ul>	<ul style="list-style-type: none"><li>Different language content denoted</li></ul>	<ul style="list-style-type: none"><li>Adjacent text for complex words, language &amp; meanings</li><li>Expansions for abbreviations</li><li>Pronunciations for complex words</li></ul>
3.2 Predictability	<ul style="list-style-type: none"><li>Focus on an element or interaction with a control do not result in significant page changes</li></ul>	<ul style="list-style-type: none"><li>Navigation/ links do not change order</li><li>Consistent identifiers for elements with the same functionality</li></ul>	<ul style="list-style-type: none"><li>User must initiate substantial page changes</li></ul>
3.3 Input Assistance	<ul style="list-style-type: none"><li>Form requirements &amp; errors clearly identified</li><li>Specific cues for interactive elements</li></ul>	<ul style="list-style-type: none"><li>Provide suggestions for input errors</li><li>Verification if user can change/delete confidential information</li></ul>	<ul style="list-style-type: none"><li>Instructions &amp; cues to assist with form completion</li><li>Provide whether submission is reversible, verified, or confirmed</li></ul>



## Ref: Accessibility Checklist Levels: Robust Guidelines

Guideline	Level A	Level AA	Level AAA
4.1 Parsing	<ul style="list-style-type: none"><li>• Avoid significant HTML/XHTML validation/parsing errors</li><li>• Markup facilitates accessibility in forms, frames, etc...</li></ul>		



# WCAG Recommended Process



## Initiate

Develop understanding of accessibility and build organizational enthusiasm.

- [Learn the basics](#)
- [Explore the current environment](#)
- [Set objectives](#)
- [Develop business case](#)
- [Raise awareness](#)
- [Gather support](#)



## Plan

Develop clear goals and an environment that supports accessibility.

- [Create accessibility policy](#)
- [Assign responsibilities](#)
- [Determine budget and resources](#)
- [Review environment](#)
- [Review websites](#)
- [Establish monitoring framework](#)
- [Engage with stakeholders](#)



## Implement

Ensure personnel are trained, tools are available, and accessibility is included throughout.

- [Build skills and expertise](#)
- [Integrate goals into policies](#)
- [Assign tasks and support delivery](#)
- [Evaluate early and regularly](#)
- [Prioritize issues](#)
- [Track and communicate progress](#)



## Sustain

Continue to review and report on content, processes, and resources.

- [Monitor websites](#)
- [Engage with stakeholders](#)
- [Track standards and legislation](#)
- [Adapt to new technologies](#)
- [Incorporate user feedback](#)

<https://www.w3.org/WAI/planning-and-managing/>



# Lawyers Awarded \$100K After Historic Verdict For Blind Internet Users; Winn-Dixie Appealing



**Legal Newsline**, CONTRIBUTOR

We cover issues that affect businesses in state and federal courts [FULL BIO](#) ▾

Opinions expressed by Forbes Contributors are their own.

POST WRITTEN BY

John O'Brien

I am the editor of Legal Newsline and the Pennsylvania Record.



# Gil v. Winn Dixie Stores, Inc – Opinion, Verdict and Order

No. 1:2016cv23020 - Document 63

- “No later than \_\_\_\_\_(date)\_\_\_\_\_, **shall adopt and implement a Web Accessibility Policy** which ensures that **its website conforms with the WCAG 2.0criteria.**”
- No later than \_\_ (date)\_\_\_\_\_, shall make publicly available and directly link from the [www.winndixie.com](http://www.winndixie.com) homepage, a **statement of WinnDixie’s Accessibility Policy** to ensure the persons with disabilities have full and equal enjoyment of its website and shall accompany the public policy statement with an accessible means of submitting accessibility questions and problems.

United States District Court  
for the  
Southern District of Florida

Juan Carlos Gil, Plaintiff )

v. )

Winn-Dixie Stores, Inc., Defendant )

Civil Action No. 16-23020-Civ-Scola



# Gil v. Winn Dixie Stores, Inc – Opinion, Verdict and Order

No. 1:2016cv23020 - Document 63

- No later than \_\_ (date)\_\_\_\_\_, shall **require** any third party **vendors** who participate on its website to be fully accessible to the disabled by **conforming with WCAG 2.0 criteria**.
- No later than \_\_ (date)\_\_\_\_\_, and at least once yearly thereafter, **shall provide mandatory web accessibility training** to all employees who write or develop programs or code for, or who publish final content to [www.winndixie.com](http://www.winndixie.com) on how to conform all web content and services with WCAG 2.0 criteria.

United States District Court  
for the  
Southern District of Florida

Juan Carlos Gil, Plaintiff )

v. )

Winn-Dixie Stores, Inc., Defendant )

Civil Action No. 16-23020-Civ-Scola



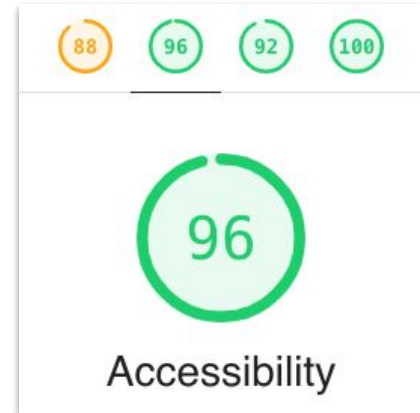
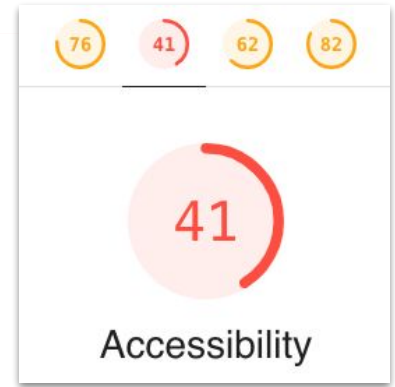
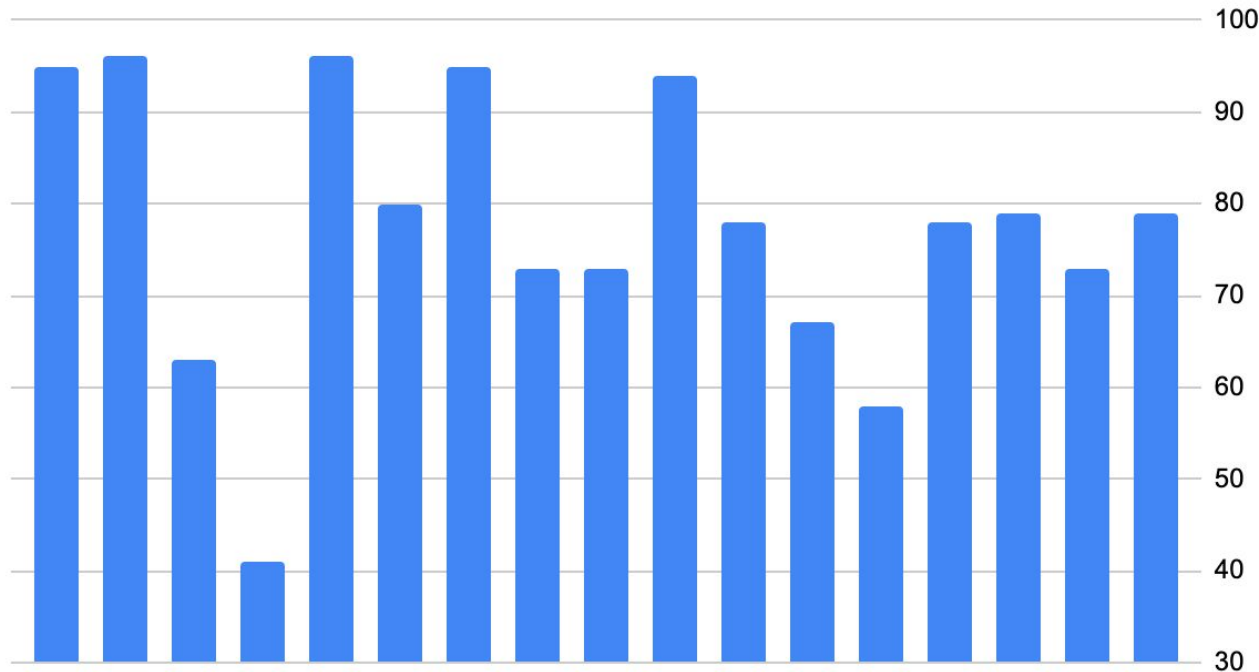




# Promet Process

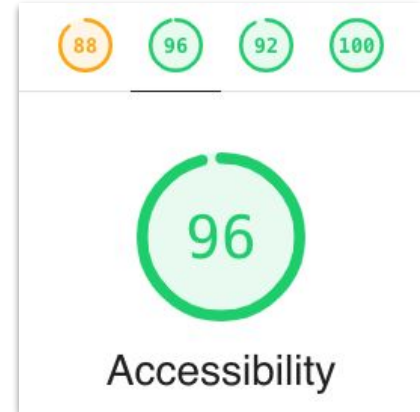
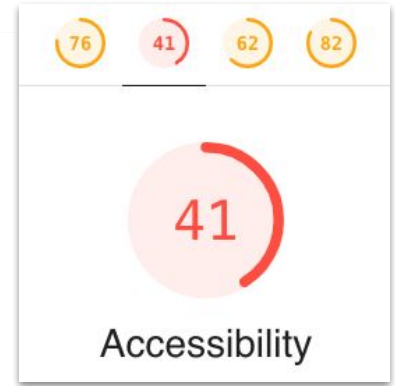
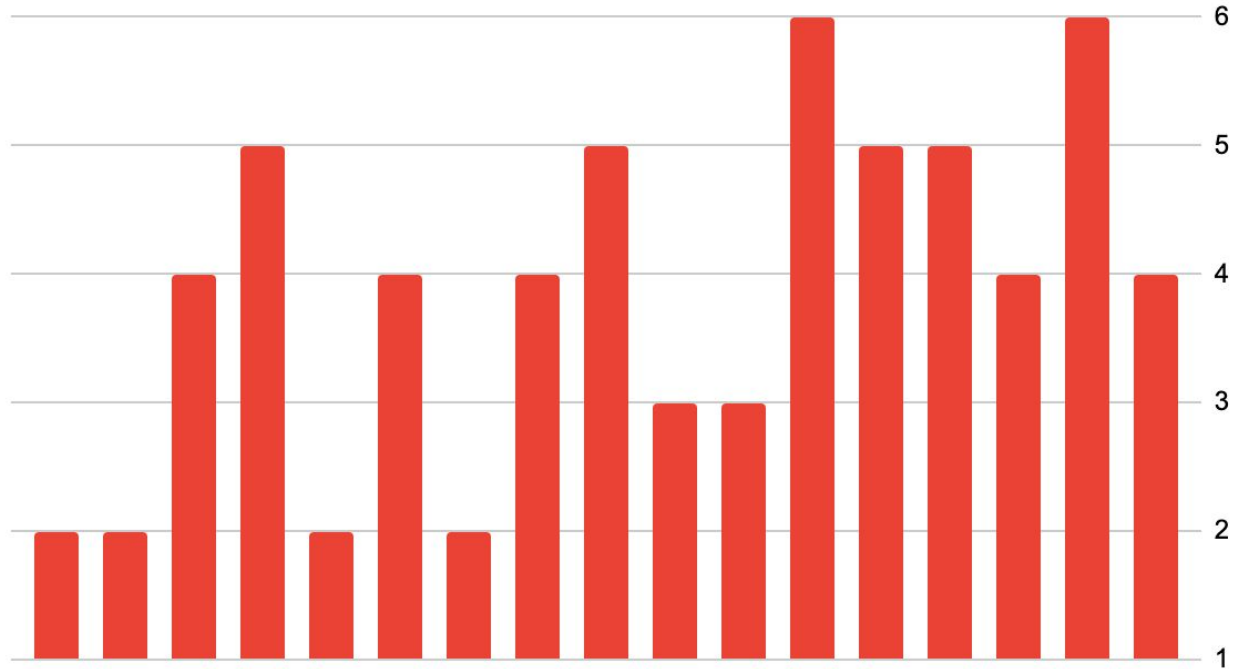
# NWSRA Analysis

## Google Accessibility Score



# NWSRA Analysis

## #Errors on Home Page



**Contrast** - These are opportunities to improve the legibility of your content.

**Contrast** — These are opportunities to improve the legibility of your content.

▲ Background and foreground colors do not have a sufficient contrast ratio. ^

Low-contrast text is difficult or impossible for many users to read. [Learn more](#).

#### Failing Elements

##### Take the Community Survey Now

```
<a href="https://www.surveymonkey.com/r/ElkGroveCompSurvey" target="_blank" title="Elk Grove Park District Community Survey" class="btn-primary">Take the Community Survey Now</a>
```

##### Check the hours for the indoor skate park.

```
<a href="/audubon-skate-park/hours" title="Audubon Indoor Skate Park Hours">Check the hours for the indoor skate park.</a>
```

##### Click here to sign up

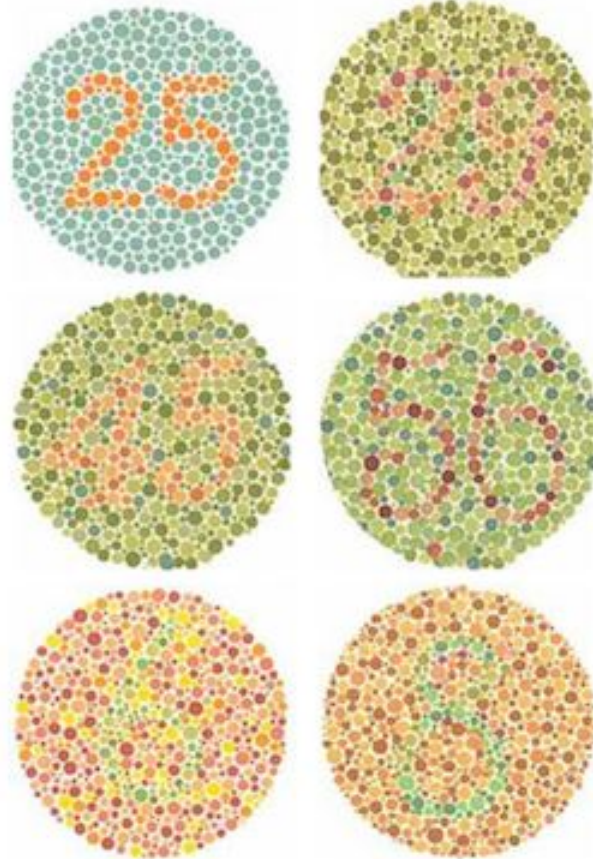
```
<a class="btn btn-default" href="http://visitor.r20.constantcontact.com/manage/optin?v=001Utocbh1JAdw6bpKeSxeD0sNG3TPdVLJNowwq9o23fMwYn1n0vWXKMDt9w2QlVE5SJBc1MmMqzU7kCmWlZX0LQq%3D%3D" target="_blank">Click here to sign up</a>
```



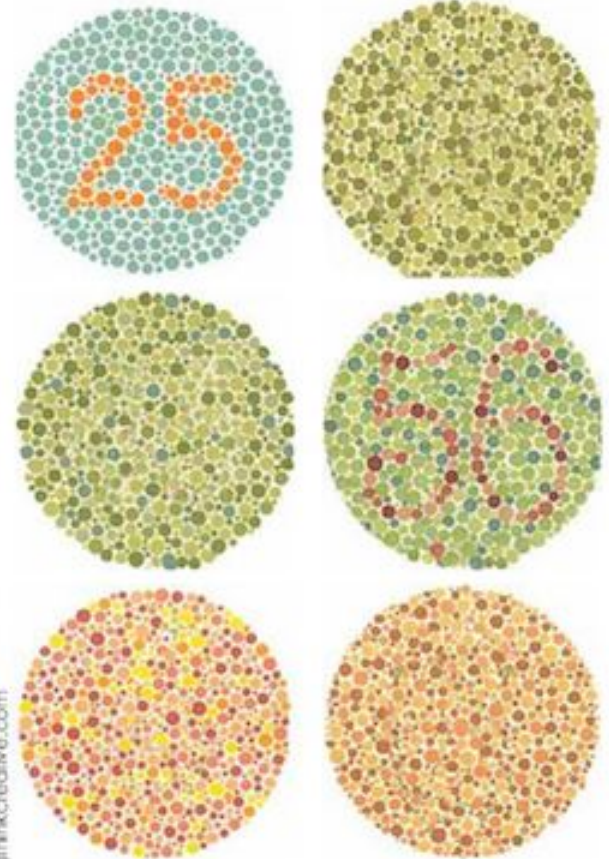
# Color Blindness

## Ishihara Test For Color Blindness

What People With Regular Vision See



What Red-Green Color Blind People See



rgbthinkcreative.com



# Color Blindness



# Color Blindness

Red-Blind/Protanopia



# Color Blind

**CCRI**  
Poor Contrast

**CCRI**  
Good contrast

**CCRI**  
Good contrast

**CCRI**  
Unreadable for Color Blind



## EMAIL THE PARK DISTRICT

MESSAGE \*

SUBMIT



## Labels - forms

# EMAIL THE PARK DISTRICT

NAME \*

First Last

EMAIL \*

PHONE

-  -

### ### ###

MESSAGE \*

SUBMIT



## Labels - forms

### EMAIL THE PARK DISTRICT

There was a problem with your submission.  
Errors have been **highlighted** below.

**NAME \***

First Last  
This field is required. Please enter a value.

**EMAIL \***

This field is required. Please enter a value.

**PHONE**

-  -

### ### ####

**MESSAGE \***

This field is required. Please enter a value.

**SUBMIT**



## Labels - alt text for images

### ▲ Image elements do not have [ alt ] attributes ↕

Informative elements should aim for short, descriptive alternate text. Decorative elements can be ignored with an empty alt attribute. [Learn more.](#)

#### Failing Elements

img

```

```

img

```

```

img

```

```

img

```

```

img

```

```

img

```

```



alt="JacobsParkSign"

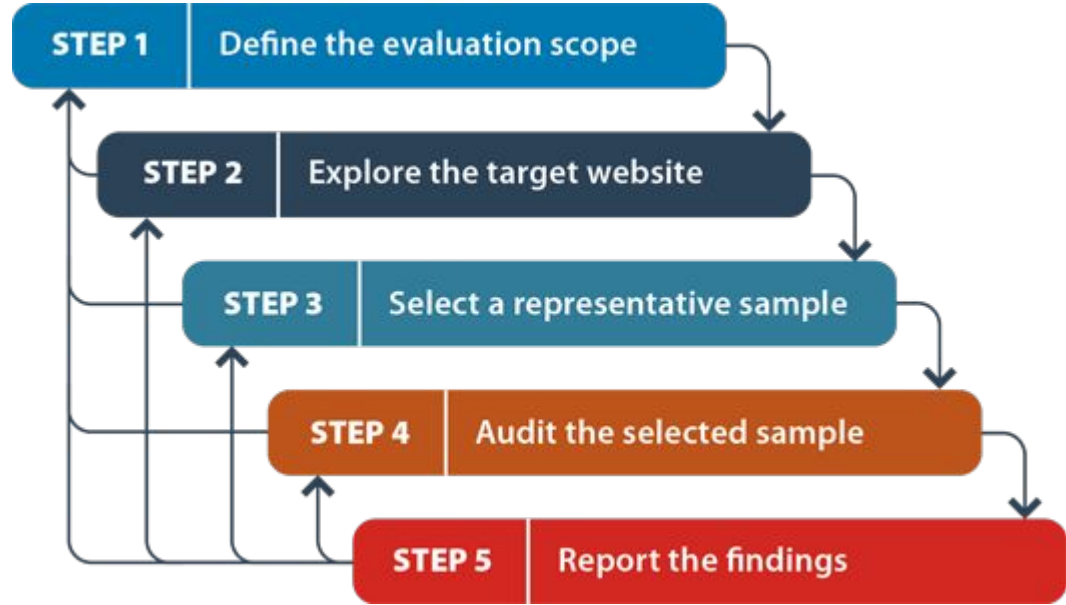


[!\[\]\(2e897e890e69d81eae4503a8342c36b0\_img.jpg\)](https://mortongrovecparks.com/wp-content/uploads/2016/09/JacobsParkSign.jpg "JacobsParkSign")

# Comprehensive Audit Workflow

1. Identify scope/pages
2. Audit of the scope/pages
3. Remediate scope/pages
4. Verify & Repeat

# WCG Recommended Evaluation Procedure



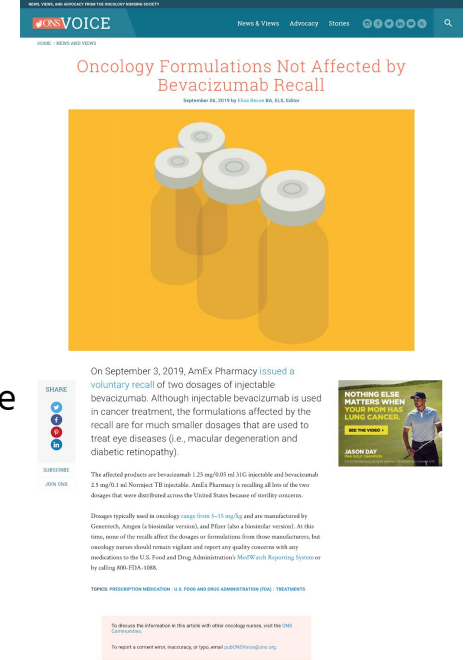
Resource:

<https://www.w3.org/TR/WCAG-EM/>

# Representative Page Templates (RPT)

## Identify Most Common and important Content and Functionality

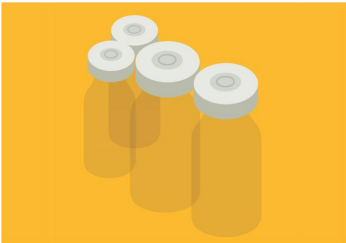
- Identify essential content and functionality of the website
- Based on modern Content Management Systems architecture, those pages are built on “templates” (terms vary by CMS type) that are composed of code and content



**OncoVOICE** News & Views Advocacy Studies [Home](#) [About Us](#) [Contact Us](#) [Feedback](#)

### Oncology Formulations Not Affected by Bevacizumab Recall

September 24, 2019 by Lisa Bracci BA, RLS, ACRP



On September 3, 2019, AmEx Pharmacy issued a voluntary recall of two dosages of injectable bevacizumab. Although injectable bevacizumab is used in cancer treatment, the formulations affected by the recall are for much smaller dosages that are used to treat eye diseases (i.e., macular degeneration and diabetic retinopathy).

The affected products are bevacizumab 1.25 mg/0.05 mL 3/0.1 mL vial and bevacizumab 2.5 mg/0.1 mL Normpan TB vial. AmEx Pharmacy is recalling all lots of the two dosages that were distributed across the United States because of safety concerns.

Dosages typically used in oncology range from 1–15 mg/kg and are manufactured by Genentech, Amgen (a biosimilar version), and Flynn (also a biosimilar version). At this time, none of the recalls affect the dosages or formulations from these manufacturers, but oncology nurses should remain vigilant and report any quality concerns with any medications to the U.S. Food and Drug Administration's MedWatch Reporting System or by calling 800-EDS-1988.

**TERMS: PRESCRIPTION MEDICATION - U.S. FOOD AND DRUG ADMINISTRATION (FDA) - TREATMENTS**

To discuss the information in this article with other oncology nurses, visit the [ONS Community](#).


To report a content error, misquoting, or typo, email [info@oncovoice.org](mailto:info@oncovoice.org).

**SHARE**  
[Facebook](#)  
[Twitter](#)  
[LinkedIn](#)  
[Email](#)


**SUBSCRIBE**  
[JOIN ONS](#)

**NOTHING ELSE MATTERS WHEN YOUR FIGHT HAS LUNG CANCER.**  
[SEE THE VIDEO!](#)  
**JASON DAY**


### Related Content



**PAIN MANAGEMENT**  
**JHHS Pain Task Force Examines Opioid Epidemic Impact on Patients, Providers**  
 JUNE 24, 2019



**HEALTH POLICY**  
**Medicare Covers CAR T; HPV Vaccine Confusion; Offshore Target Drug Makers**  
 MARCH 07, 2019



**PRESCRIPTION MEDICATION**  
**Opioid Package Passes; Cheap Insulin; New Policies; Drug Patent Laws**  
 SEPTEMBER 26, 2018

**OncoVOICE**  
 News, Views, and Advocacy From the Oncology Nursing Society

Legal Notices | Advertising | [Contact Us](#) | [Home](#) | [Feedback](#) | [Subscribe to Print Edition](#)

[Facebook](#) [Twitter](#) [LinkedIn](#) [Email](#)

ONS | Oncology Nursing Foundation | ONCC

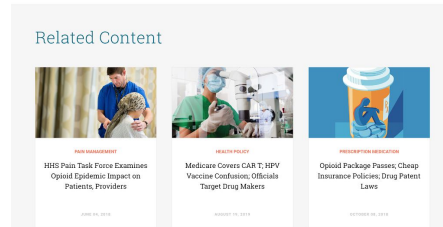
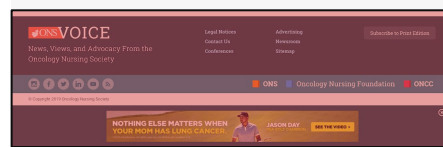
**NOTHING ELSE MATTERS WHEN YOUR FIGHT HAS LUNG CANCER.**  
[SEE THE VIDEO!](#)  
**JASON DAY**



# Representative Page Templates (RPT)

Repeated Code driven functionality - Typically the header, footer and menu items, this code is repeated on every representative page, example:

- <https://voice.ons.org/news-and-views/why-arent-nurses-adhering-to-ppe-requirements>
- <https://voice.ons.org/news-and-views/should-a-provider-be-on-site-during-chemotherapy-administration>
- <https://voice.ons.org/news-and-views/evidence-supports-strategies-for-better-safe-handling-practice>

# Representative Page Templates (RPT)

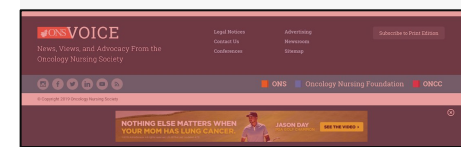
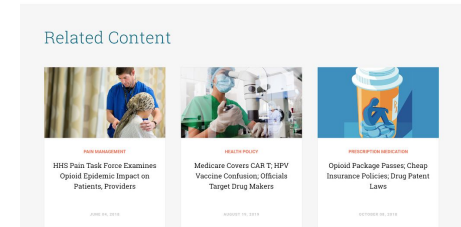
Repeated Code driven functionality - Typically the header, footer and menu items, this code is repeated on every representative page, example:

- <https://voice.ons.org/news-and-views/why-arent-nurses-adhering-to-ppe-requirements>
- <https://voice.ons.org/news-and-views/should-a-provider-be-on-site-during-chemotherapy-administration>
- <https://voice.ons.org/news-and-views/evidence-supports-strategies-for-better-safe-handling-practice>

Once manually tested and all errors remediated on **one** page, all other pages inherit the fixes

Content: Different on every page and controlled by the copy editors. Generally, manual test not necessary once CSS is verified to work correctly on a representative page.

Automatic testing suffices to validate all general content accessibility guidelines



# FREE ACCESSIBILITY RESOURCES:

- **AXE Chrome Plugin:** <https://www.deque.com/axe/axe-for-web/>
- **Google Lighthouse:** <https://web.dev/measure/>
- **Siteimprove:** <https://siteimprove.com/en-us/accessibility/>
- **WAVE Web Accessibility Tool:** <https://wave.webaim.org/>
- **WCAG:** <https://www.w3.org/>

## PDF Accessibility Resource:

- <https://webaim.org/techniques/acrobat/>

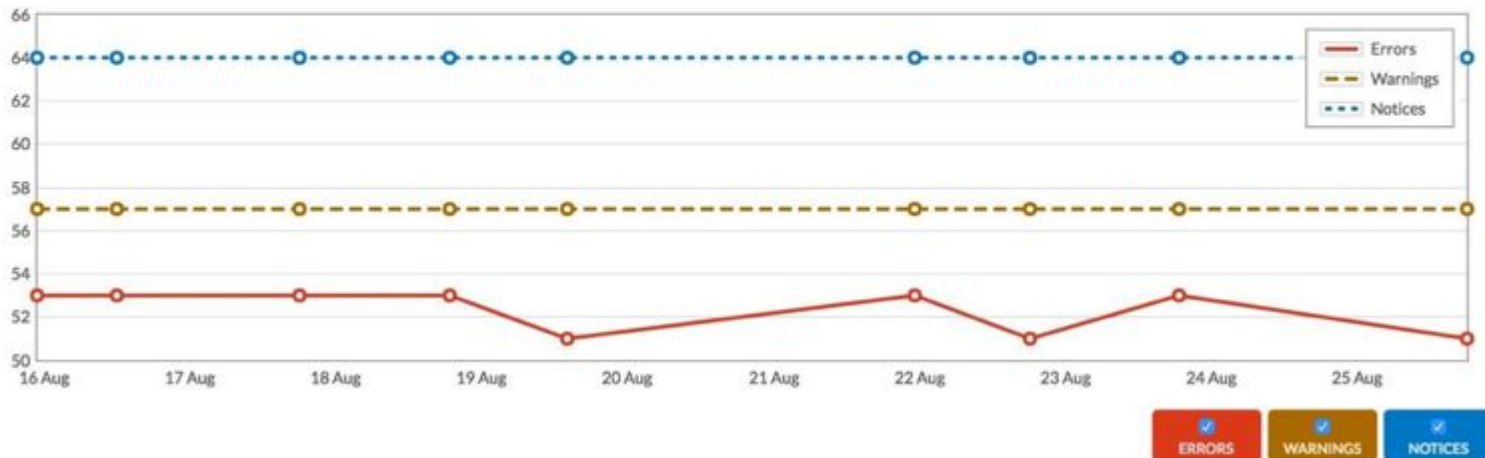
# Pa11y Dashboard Screenshots

## Individual Page Views

001 | Landing page with accessibility issues

landing page with accessibility issues (WCAG2AAA)

Edit this task Delete this task Run Pa11y Last run: 23 Aug 2016



# Pa1ly Dashboard Screenshots

<b>53</b> ERRORS	<b>57</b> WARNINGS	<b>64</b> NOTICES
---------------------	-----------------------	----------------------

Download CSV 

Download JSON 

 **23 Aug 2016**

Select a date to show stats for:

- 25 Aug 2016
- 23 Aug 2016
- 22 Aug 2016
- 21 Aug 2016

Errors (53) -

WCAG2AAA.Principle1.Guideline1\_1.1\_1\_1.H37 31

*First result:* Img element missing an alt attribute. Use the alt attribute to specify a short text alternative.

**Selector:** #ball\_Header\_Link\_Image












**Context:** 

WCAG2AAA.Principle1.Guideline1\_3.1\_3\_1.AAA.G141 1

*First result:* The heading structure is not logically nested. This h5 element appears to be the primary document heading, so should be an h1 element.

**Selector:** #header\_nav\_wrap > h5:nth-child(1)

**Context:** <h5 class="first\_h5"><a href="/Director.aspx?sid=466...">

Promet's Accessibility Solutions	Option 1: Audits Only	Option 2: Turnkey Solution
<b>Statement of Accessibility</b> posted to share with users that you've started the process		
<b>Automated Testing</b> with an accessibility dashboard to identify content errors		
<b>Manual Testing</b> to identify all violations against the WCAG 2.1 guidelines		
<b>Code-Level Remediation</b> of all issues		
<b>Confirmation Testing</b> // 2nd round of testing to confirm that the site is 100% compliant and all issues are resolved		
<b>Confirmation and Documentation</b> // Updated Statements to document level of conformance achieved		

Promet's Accessibility Solutions	Option 1: Audits Only no Fixes)	Option 2: Turnkey Solution (Audit & Remediation)
<b>Small</b> number of Representative Pages (5 RPTs)	<b>\$11,125.00</b>	<b>\$18,562.00</b>
<b>Large</b> number of Representative Pages (11 RPTs)	<b>\$19,375.00</b>	<b>\$33,562.50</b>

### NWSRA Member Park Districts Exclusive Pricing:

Discount 5% - Six Districts

Discount 12 % - Nine Districts



\* Dependent on client remediation of all errors



# THANK YOU

Point of Contact: Ashley Burns, Strategic Account Manager

[aburns@prometsource.com](mailto:aburns@prometsource.com)

Promet Source

main 773.525.8255 x 122

1802 W. Berteau Ave., Suite 209, Chicago, IL 60613

[www.prometsource.com](http://www.prometsource.com)

