WCAG 2.1 Level AA Success Criteria

COMPLIANCE AUDIT

For www.nmrn.org.uk | Verdict: Non-compliant

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accessiBe is the web accessibility **market leader**, powering the accessibility of **tens-of-thousands** of websites, from **small businesses** to industry-leading **enterprises**.

This audit evaluates the adherence level of **www.nmrn.org.uk** as of November 10, 2020, to the "Web Content Accessibility Guidelines" (WCAG) 2.1 level AA success criteria.

Below you'll find the results for dozens of tests that focus mainly on 3 categories: **screen-reader** adjustments(for blind users), **keyboard navigation** adjustments (for the motor impaired) and **UI, design, and readability** adjustments (for the visually impaired).

WCAG 2.1 AA Level Web Accessibility Audit

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#	Requirement	Relevant	Successes	Failures	Score
1	HTML title elements (H1-6) should have texts. If images or links are used, they should include an alternative or screen-reader only text.	Yes	9	0	100%
2	Title levels should not be skipped and should be built with consistent hierarchy. For example: you cannot have "h4" titles and "h2" titles without having "h3" titles.	Yes	Pass	-	100%
3	An H1 title provides information to blind-users using screen-readers of what the main topic of the page is and each page should have exactly one H1 title.	Yes	Pass	-	100%

Code snapshots of some of the successful elements

- <h1 id="logo"> <img src="https://www.nmrn.org.uk/sites/all/themes/nmrn/logo.png" alt="National Museum of the Royal Navy Homepage"> </h1>

#	Requirement	Relevant	Successes	Failures	Score
4	Elements that visually appear as titles but are coded with a non-heading HTML Tag should include a "role" attribute that equals to "heading" or have their tags fixed.	No	0	0	-
5	Elements that are hidden using CSS manipulations (opacity, height, text-indent, off-canvas, etc.) should be wrapped inside an element with an "aria-hidden" attribute that equals to "false", or include it directly, and have it dynamically changed to "true" when they become visible.	No	0	0	-
6	Interactive elements such as links, buttons and form fields should all be navigable using the keyboard by either using a focusable element (a, button, input, etc.) or including the "tabindex" attribute that equals to "0".	Yes	Pass	-	100%

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7	Active popups should include an "aria-modal" attribute that equals to "true", and a "role" attribute that equals to "dialog", so screen-reader users know how to navigate within it.	No	0	0	-
8	Interactive elements that can be navigated using the keyboard should be surrounded by a visual outline whenever they are focused.	Yes	Pass	-	100%
9	Every page should include hidden links that by clicking on them (either using keyboard navigation or a screen-reader), the user will "skip" certain blocks directly to main landmarks such as main content, menu or footer.	Yes	-	Fail	0%
10	Elements that are hidden using CSS manipulations (opacity, height, text-indent, off-canvas, etc.) should include a "tabindex" attribute that is below 0, and have it dynamically changed to 0 when they become visible.	No	0	0	-
11	Links that open in a new tab or a new window should either have an "aria-label" attribute or a screen-reader only element explaining to screen-readers that this opens in a new tab.	Yes	0	37	0%

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Code snapshots of some of the failed elements

- BOOK YOUR VISIT TODAY >

- COVID-19 Updates Here

- Donate Today >

- <img typeof="foaf:Image" src="https://www.nmrn.org.uk/sites/default/files/rnmp-victory-logo.png" width="196" height="50" alt="">

- <img typeof="foaf:Image" src="https://www.nmrn.org.uk/sites/default/files/styles/original/public/victory%20box_0.jpg?itok=a8w1eq32" width="298" height="128" alt=""></...

- <img typeof="foaf:Image" src="https://www.nmrn.org.uk/sites/default/files/nmrn-portsmouth-logo.png" width="175" height="...

- <img typeof="foaf:Image" src="https://www.nmrn.org.uk/sites/default/files/styles/original/public/royal-naval-museum-bloc...

- <img typeof="foaf:Image" src="https://www.nmrn.org.uk/sites/default/files/fleet-logo.png" width="201" height="50" alt="">

- <img typeof="foaf:Image" src="https://www.nmrn.org.uk/sites/default/files/styles/original/public/fleet-museum-block.png?itok=v_r33hqr" width="298" height="128" alt="...

- <img typeof="foaf:Image" src="https://www.nmrn.org.uk/sites/default/files/nmrnp-caroline-logo.png" width="218" height="43" alt="">

12	Elements that behave as buttons but are built using other tags such as span, div, a or others, should include a "role" attribute that equals to "button".	No	0	0	-
13	Links should include text that is setting expectations to what page they are leading to. If empty links are used as layout wrapping elements, a screen-reader only text or an "aria-label" attribute should be used for that description.	Yes	71	0	100%

Code snapshots of some of the successful elements

- Jump to Navigation

- <img src="https://www.nmrn.org.uk/sites/all/themes/nmrn/logo.png" alt="National Museum of the Royal Navy Homepage">

- BOOK YOUR VISIT TODAY >

- Home

- Black History Month

- Collections & Exhibitions

- Major Appeals

- Learning

- News & Events

- FAQs

14	Buttons should include text explaining their functionality, and if icons are used as buttons, a screen-reader only text or an "aria-label" attribute should be used for that description.	No	0	0	-
15	Elements that have texts should meet a minimum contrast ratio of 4.5:1 between their foreground (usually text color) and background color.	Yes	43	6	88%

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Code snapshots of some of the successful elements

- Jump to Navigation

- <h2 class="element-invisible">Search form</h2>

- <label for="edit-search-block-form--2">Search </label>

- BOOK YOUR VISIT TODAY >

- <h2 class="element-invisible">Main menu</h2>

- Home

- Black History Month

- Collections & Exhibitions

- Major Appeals

- Learning

Code snapshots of some of the failed elements

- <h2 class="block-title">Visit Our Museum Websites</h2>

- View all news

- How to support our work

- Facebook

- Twitter

- YouTube

16	Font sizes should be at least 11px in size in order to stay readable in the majority of font families. This should be verified also when using dynamic units such as REM or percents.	Yes	Pass	-	100%
17	Letter spacing should not be set to below -1px in order to stay readable in the majority of font families. This should be verified also when using dynamic units such as REM or percents.	Yes	Pass	-	100%
18	Carousel pagination items (usually used as small dots at the bottom of the carousel) should indicate their functionality and slide number they control using an "aria-label" and a screen-reader only text.	No	0	0	-
19	Carousels should include an "aria-label" attribute that equals to "carousel"/"slider" or something else that indicates the functionality, as well as be tagged as a landmark for screen-readers using a "role" tag that equals to "contentinfo".	No	0	0	-
20	Control elements such as next and previous icons should include an "aria-label" attribute or a screen-reader only text that explains the functionality to screen-readers.	No	0	0	-
21	A common accessibility mistake is to treat carousels as live regions using the "aria-live" attribute and the "polite" or the "assertive" values. Using this practice will cause screen-readers to cut and skip announcements.	No	0	0	-
22	Menu items that have a dropdown menu include an "aria-haspopup" attribute that equals to "true".	No	0	0	-
23	Menu items that have a dropdown menu include an "aria-expanded" attribute that equals to "false" that changes to "true" and back when opening or closing the dropdown.	No	0	0	-

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| 24 | Menus should either be built using the HTML5 "nav" element or include a "role" attribute that equals to "menu" or "navigation" to indicate a navigation landmark for screen-readers. | Yes | 0 | 3 | 0% |

Code snapshots of some of the failed elements

- <ul id="main-menu" class="links inline clearfix" ><li class="menu-569 first active">Home <li class="menu-2655">Black History Month <li class="menu-624"><a href="/exh...

- <ul class="menu" style="min-height: 12em;" ><li class="first leaf menu-mlid-1911" style="margin-left: 0px;">Members Area <li class="leaf menu-mlid-655" style="margin-left: 0px;"><a href="/news-events">NMRN Blog...

- <ul class="clearfix" ><li class="facebook">Facebook <li class="twitter"><a href="https://twitter.com/NatMuseumRN" target="_blank" title="Opens in a...

| 25 | The HTML tag should include a "lang" attribute that represents the main language of the webpage so screen-readers can calibrate on it for blind users. | Yes | - | Fail | 0% |

Code snapshots of some of the failed elements

- <html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" version="XHTML+RDFa 1.0" dir="ltr" xmlns:fb="http://www.facebook.com/2008/fbml" xmlns:og="http://ogp.me/ns#" xmlns:content="http://purl.org/rss/1.0/modules/content/" xmlns:dc="http://purl.org/d...

| 26 | The title tag of the HEAD section (also the title that appears in the browser tab and Search Engine result pages) should exist and describe the name of the current webpage for screen-reader users. | Yes | Pass | - | 100% |

Code snapshots of some of the successful elements

- <title>National Museum of the Royal Navy |</title>

| 27 | Landmarks such as main content and footer should be built using their corresponding HTML5 element or include a description using an "aria-label" attribute and a "role" tag that equals to "contentinfo" or "main". Landmarks such as search and navigation are tested in other sections. | Yes | 0 | 2 | 0% |

Code snapshots of some of the failed elements

- <div class="section clearfix"> <h1 id="logo"> <a href="/" title="National Museum of the Royal Navy Homepage" rel="home"><img src="https://www.nmrn.org.uk/sites/all/themes/nmrn/logo.png" alt="National Museum of the Royal N...

- <div class="region region-footer" > <div class="regionInr clearfix"> <div id="block-menu-block-2" class="block block-menu-block first odd"> <div class="content"> <div class="menu-block-wrapper menu-block-2 menu-name-menu-footer-me...

| 28 | The meta viewport tag should allow visually impaired users to pinch-zoom at least double the standard scaling using the user-scalable="yes" and maximum-scale={2 or higher} content strings. | No | 0 | 0 | - |

| 29 | Images should have an alternative text description that describes both the objects and the embedded text that the image contains, using the "alt" attribute. | Yes | 5 | 30 | 14% |

Code snapshots of some of the successful elements

- <img src="https://www.nmrn.org.uk/sites/all/themes/nmrn/logo.png" alt="National Museum of the Royal Navy Homepage">

- <img alt="On the Sea" src="/sites/default/files/on-the-sea-logo.png" width="78" height="76">

- <img alt="Under the Sea" src="/sites/default/files/under-the-sea-logo.png" width="74" height="76">

- <img alt="In the Air" src="/sites/default/files/in-the-air-logo.png" width="71" height="76">

- <img alt="Land and Sea" src="/sites/default/files/land-and-sea-logo.png" width="62" height="76">

Code snapshots of some of the failed elements

- <img typeof="foaf:Image" src="https://www.nmrn.org.uk/sites/default/files/rnmp-victory-logo.png" width="196" height="50" alt="">

- <img typeof="foaf:Image" src="https://www.nmrn.org.uk/sites/default/files/styles/original/public/victory%20box_0.jpg?itok=a8w1eq32" width="298" height="128" alt="">

- <img typeof="foaf:Image" src="https://www.nmrn.org.uk/sites/default/files/nmrn-portsmouth-logo.png" width="175" height="50" alt="">

- <img typeof="foaf:Image" src="https://www.nmrn.org.uk/sites/default/files/styles/original/public/royal-naval-museum-block.png?itok=lvubPfPU" width="298" height="128" alt="">

- <img typeof="foaf:Image" src="https://www.nmrn.org.uk/sites/default/files/fleet-logo.png" width="201" height="50" alt="">

- <img typeof="foaf:Image" src="https://www.nmrn.org.uk/sites/default/files/styles/original/public/fleet-museum-block.png?itok=v_r33hqr" width="298" height="128" alt="">

- <img typeof="foaf:Image" src="https://www.nmrn.org.uk/sites/default/files/rnsm-logo.png" width="168" height="50" alt="">

- <img typeof="foaf:Image" src="https://www.nmrn.org.uk/sites/default/files/styles/original/public/submarine-museum-block_0.png?itok=vusm5amL" width="298" height="128" alt="">

- <img typeof="foaf:Image" src="https://www.nmrn.org.uk/sites/default/files/nmrnp-caroline-logo.png" width="218" height="43" alt="">

- <img typeof="foaf:Image" src="https://www.nmrn.org.uk/sites/default/files/styles/original/public/caroline%20home%20page%20new_1.png?itok=0XEwwFOp" width="298" height="128" alt="">

30	Background images that are not just for decoration purposes and should have the same treatment as standard images and include a "role" attribute that equals to "img" and an alternative text description in an "aria-label" attribute.	Yes	0	10	0%

Code snapshots of some of the failed elements

- <div class="views-row views-row-1 views-row-odd views-row-first"> <div class="row-inr"> <div class="views-field views-field-field-museum-logo"> <div class="field-content"><a href="http://www.hms-victory.com/" target="_blank" title="Op...

- <div class="views-row views-row-2 views-row-even"> <div class="row-inr"> <div class="views-field views-field-field-museum-logo"> <div class="field-content"><a href="https://www.nmrn.org.uk/our-museums/national-museum-royal-navy-portsm...

- <div class="views-row views-row-3 views-row-odd"> <div class="row-inr"> <div class="views-field views-field-field-museum-logo"> <div class="field-content"><a href="https://www.fleetairarm.com/" target="_blank" title="Opens in a new wi...

- <div class="views-row views-row-4 views-row-even"> <div class="row-inr"> <div class="views-field views-field-field-museum-logo"> <div class="field-content"><a href="/our-museums/royal-navy-submarine-museum"><img typeof="foaf:Image" sr...

- <div class="views-row views-row-5 views-row-odd"> <div class="row-inr"> <div class="views-field views-field-field-museum-logo"> <div class="field-content"><a href="https://www.nmrn.org.uk/exhibitions-projects/hms-caroline" target="_bl...

- <div class="views-row views-row-6 views-row-even"> <div class="row-inr"> <div class="views-field views-field-field-museum-logo"> <div class="field-content"><a href="http://www.nmrn.org.uk/hartlepool" target="_blank" title="Opens in a ...

- <div class="views-row views-row-7 views-row-odd"> <div class="row-inr"> <div class="views-field views-field-field-museum-logo"> <div class="field-content"><a href="http://www.nmrn.org.uk/exhibitions-projects/monitor-hms-m33" target="_...

- <div class="views-row views-row-8 views-row-even"> <div class="row-inr"> <div class="views-field views-field-field-museum-logo"> <div class="field-content"><a href="https://www.hmswarrior.org/" target="_blank" title="Opens in a new wi...

- <div class="views-row views-row-9 views-row-odd"> <div class="row-inr"> <div class="views-field views-field-field-museum-logo"> <div class="field-content"><a href="/our-museums/explosion"><img typeof="foaf:Image" src="https://www.nmrn...

- <div id="mesh"></div>

31	Every "area" element of a "map" tag should be regarded as a standard image and receive an alternative text description using an "alt" attribute.	No	0	0	-
32	Font icons, SVG or images that are being used as spacers, decorations or their purpose is already described by the content should include a "role" attribute that equals to "presentation" or "none".	No	0	0	-
33	Figure elements that are used to display images should have a "role" attribute that equals to "none" and the image provide itself should provide the description using an "alt" attribute.	No	0	0	-
34	Small or hidden tracker pixel images (often used for analytics or marketing purposes) should include a "role" attribute that equals to "none" or "presentation" so they are excluded from screen-readers.	No	0	0	-
35	Visually deleted texts (often used to show a previous price of a sale) should include an "aria-label" attribute or a screen-reader only text that explains this is deleted text.	No	0	0	-

36	Breadcrumbs main element should include a "role" attribute that equals to "navigation" and an "aria-label" attribute that describes the functionality."	No	0	0	-
37	Ratings/scores that are represented visually using stars, meters or other indicators should either have an "aria-label" attribute or a screen-reader only texts conveying the score/rate.	No	0	0	-
38	Making use of an accessibility interface helps to ensure that visually impaired users can adjust some of the UI and the design (font-size, colors, spacing, etc.) to their needs. It is not a compliance requirement, but can help to improve compliance.	No	0	0	-
39	Iframe elements should include a "title" or an "aria-label" attribute explaining the purpose, the functionality or the destination of the iframe, or be tagged hidden for screen-readers if irrelevant.	Yes	Pass	-	100%

Code snapshots of some of the successful elements

- <iframe name="_hjRemoteVarsFrame" title="_hjRemoteVarsFrame" id="_hjRemoteVarsFrame" src="https://vars.hotjar.com/box-469cf41adb11dc78be68c1ae7f9457a4.html" style="display: none !important; width: 1px !important; height: 1px !important; opacity: 0 !i...

| 40 | Form fields should either include an "aria-label" attribute or a connected LABEL element describing the requirement of the field (email, phone, name, etc.). | Yes | 2 | 0 | 100% |

Code snapshots of some of the successful elements

- <input title="Enter the terms you wish to search for." class="custom-search-box form-text" placeholder="" type="text" id="edit-search-block-form--2" name="search_block_form" value="" size="15" maxlength="128">

- <input id="pckyj-pckyj" name="cm-pckyj-pckyj" type="text" value="email address">

41	Required form fields should include an "aria-required" attribute that equals to "true" so blind users using screen-readers know their validation.	Yes	-	Fail	0%

Code snapshots of some of the failed elements

- <input id="pckyj-pckyj" name="cm-pckyj-pckyj" type="text" value="email address">

42	The validity status of every form element must be represented in the code at all times using the "aria-invalid" attributes and the "true/false" values, and change dynamically when the status changes.	Yes	-	Fail	0%

Code snapshots of some of the failed elements

- <input id="pckyj-pckyj" name="cm-pckyj-pckyj" type="text" value="email address">

43	Form elements cannot have the same ID, or else their corresponding label will provide false information.	No	0	0	-

44	aria-describedby and aria-labelledby attributes should be connected by ID to an element that either has text description or an "aria-label" attribute.	No	0	0	-

45	Search forms should include a "role" tag that equals to "search" (or be wrapped by one) to indicate a search landmark for screen-readers.	Yes	Pass	-	100%

Code snapshots of some of the successful elements

- <form class="search-form" role="search" action="/" method="post" id="search-block-form" accept-charset="UTF-8" target="_self"><div><div class="container-inline"> <h2 class="element-invisible">Search form</h2> <div class="form-item form-type...

46	All forms should have a submission button that is built as an input type "submit" or a "button" element, or include a "role" tag that equals to "button". Buttons can be hidden if the form can be submitted using the Enter key.	Yes	2	0	100%

Code snapshots of some of the successful elements

- <form class="search-form" role="search" action="/" method="post" id="search-block-form" accept-charset="UTF-8" target="_self"><div><div class="container-inline"> <h2 class="element-invisible">Search form</h2> <div class="form-item form-type...

- <form action="https://halomedia.createsend.com/t/y/s/pckyj/" id="subForm" method="post"><label for="pckyj-pckyj">Sign up for email alerts: </label><input id="pckyj-pckyj" name="cm-pckyj-pckyj" type="text" value="email address"> <input id="cm5196...

47	Tables that are missing a THEAD row with TH elements, should include a "role" attribute that equals to "rowheader" on the TD elements of the TR that represents the visual table headings.	No	0	0	-
48	If nested tables are used (a table element within a table cell), set the nested tables "role" attribute to "presentation".	No	0	0	-
49	Tables that are being used as layout structures should include a "role" attribute that equals to "presentation" to indicate to screen-readers that it is not really a table.	No	0	0	-