Principle Level ALevel AA

1. Perceivable 7/9 7/11

2. Operable 5/11 0/3

3. Understandable 2/5 5/5

4. Robust 0/1 1/1

Total 14/26 13/20

Detailed audit results

Principle 1 Perceivable

1.1 Text Alternatives

1.1.1 Non-text Content: (Level A)

Show criterion text

All non-text content that is presented to the user has a text alternative that serves the equivalent purpose, except for the situations listed below.

- Controls, Input If non-text content is a control or accepts user input, then it has a name that
 describes its purpose. (Refer to Guideline 4.1 for additional requirements for controls and content
 that accepts user input.)
- Time-Based Media If non-text content is time-based media, then text alternatives at least provide descriptive identification of the non-text content. (Refer to Guideline 1.2 for additional requirements for media.)
- Test If non-text content is a test or exercise that would be invalid if presented in text, then text
 alternatives at least provide descriptive identification of the non-text content.
- Sensory If non-text content is primarily intended to create a specific sensory experience, then text
 alternatives at least provide descriptive identification of the non-text content.
- CAPTCHA If the purpose of non-text content is to confirm that content is being accessed by a
 person rather than a computer, then text alternatives that identify and describe the purpose of the
 non-text content are provided, and alternative forms of CAPTCHA using output modes for different
 types of sensory perception are provided to accommodate different disabilities.
- Decoration, Formatting, Invisible If non-text content is pure decoration, is used only for visual
 formatting, or is not presented to users, then it is implemented in a way that it can be ignored by
 assistive technology.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/non-text-content.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#non-text-content)

Results for the entire sample:

Outcome: Failed

Findings: Form control with "button" role has no associated label: The four "information" icons set as buttons require labels.

- Recommend adding an aria-label attribute (i.e. aria-label="Recipients") or use the title attribute to provide a label;

1.2 Time-based Media

1.2.1 Audio-only and Video-only (Prerecorded): (Level A)

Show criterion text

For prerecorded audio-only and prerecorded video-only media, the following are true, except when the audio or video is a media alternative for text and is clearly labeled as such:

- Prerecorded Audio-only An alternative for time-based media is provided that presents equivalent information for prerecorded audio-only content.
- Prerecorded Video-only Either an alternative for time-based media or an audio track is provided that presents equivalent information for prerecorded video-only content.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/audio-only-and-video-only-prerecorded.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#audio-only-and-video-only-prerecorded)

Results for the entire sample:

Outcome: Not present

Findings: -

1.2.2 Captions (Prerecorded): (Level A)

Show criterion text

Captions are provided for all prerecorded audio content in synchronized media, except when the media is a media alternative for text and is clearly labeled as such.

Understanding **G** (http://www.w3.org/WAI/WCAG21/Understanding/captions-prerecorded.html) How to meet **G** (http://www.w3.org/WAI/WCAG21/quickref/#captions-prerecorded)

Results for the entire sample:

Outcome: Not present

Findings: -

1.2.3 Audio Description or Media Alternative (Prerecorded): (Level A)

Show criterion text

An alternative for time-based media or audio description of the prerecorded video content is provided for synchronized media, except when the media is a media alternative for text and is clearly labeled as such.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/audio-description-or-media-alternative-prerecorded.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#audio-description-or-media-alternative-prerecorded)

Results for the entire sample:

Outcome: Not present

Findings: -

1.2.4 Captions (Live): (Level AA)

Show criterion text

Captions are provided for all live audio content in synchronized media.

Understanding **C** (http://www.w3.org/WAI/WCAG21/Understanding/captions-live.html) How to meet **C** (http://www.w3.org/WAI/WCAG21/quickref/#captions-live)

Results for the entire sample:

Outcome: Not present

Findings: -

1.2.5 Audio Description (Prerecorded): (Level AA)

Show criterion text

Audio description is provided for all prerecorded video content in synchronized media.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/audio-description-prerecorded.html)
How to meet (http://www.w3.org/WAI/WCAG21/quickref/#audio-description-prerecorded)

Results for the entire sample:

Outcome: Not present

Findings: -

1.3 Adaptable

1.3.1 Info and Relationships: (Level A)

Show criterion text

Information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/info-and-relationships.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#info-and-relationships)

Results for the entire sample:

Outcome: Failed

Findings: The web page contains an <h4> tag directly following an <h1>, the title "Social development data" within the first modal. In order to maintain a consistent outline of the page for assistive technologies, reduce the gap in the heading level by upgrading this tag to an <h2>.

Eight groups of logically related input elements should be contained within a <fieldset> element. All controls within a given fieldset element are then related and the relationship may then be provided to the user by user agents. i.e.

<fieldset>

<input type="text" autocomplete="off" tabindex="" id="benefits-is_ben_type.slct-selectized" style="width:

4px; opacity: 0; position: absolute; left: -10000px;">

</fieldset>

1.3.2 Meaningful Sequence: (Level A)

Show criterion text

When the sequence in which content is presented affects its meaning, a correct reading sequence can be programmatically determined.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/meaningful-sequence.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#meaningful-sequence)

Results for the entire sample:

Outcome: Passed

Findings: Manually tested, ok.

1.3.3 Sensory Characteristics: (Level A)

Show criterion text

Instructions provided for understanding and operating content do not rely solely on sensory characteristics of components such as shape, size, visual location, orientation, or sound.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/sensory-characteristics.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#sensory-characteristics)

Results for the entire sample:

Outcome: Passed

Findings: Manually tested, ok.

1.3.4 Orientation: (Level AA)

Show criterion text

Content does not restrict its view and operation to a single display orientation, such as portrait or landscape, unless a specific display orientation is essential.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/orientation.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#orientation)

Results for the entire sample:

Outcome: Passed

Findings: Manually tested, ok.

1.3.5 Identify Input Purpose: (Level AA)

Show criterion text

The purpose of each input field collecting information about the user can be programmatically determined when:

- The input field serves a purpose identified in the Input Purposes for User Interface Components section; and
- The content is implemented using technologies with support for identifying the expected meaning for form input data.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/identify-input-purpose.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#identify-input-purpose)

Results for the entire sample:

Outcome: Not present

Findings: -

1.4 Distinguishable

1.4.1 Use of Color: (Level A)

Show criterion text

Color is not used as the only visual means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/use-of-color.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#use-of-color)

Results for the entire sample:

Outcome: Passed

Findings: Manually tested, ok.

1.4.2 Audio Control: (Level A)

Show criterion text

If any audio on a Web page plays automatically for more than 3 seconds, either a mechanism is available to pause or stop the audio, or a mechanism is available to control audio volume independently from the overall system volume level.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/audio-control.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#audio-control)

Results for the entire sample:

Outcome: Passed

Findings: Manually tested, ok.

1.4.3 Contrast (Minimum): (Level AA)

Show criterion text

The visual presentation of text and images of text has a contrast ratio of at least 4.5:1, except for the following:

- Large Text Large-scale text and images of large-scale text have a contrast ratio of at least 3:1;
- Incidental Text or images of text that are part of an inactive user interface component, that are
 pure decoration, that are not visible to anyone, or that are part of a picture that contains significant
 other visual content, have no contrast requirement.
- . Logotypes Text that is part of a logo or brand name has no minimum contrast requirement.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/contrast-minimum.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#contrast-minimum)

Results for the entire sample:

Outcome: Failed

Findings: The "Apply Changes" button has an insufficient color contrast of 2.12. When text and the background colors have less than a 4.5 to 1 contrast ratio it can be difficult for people with moderately low vision to read the text. Recommendation: change background to #b85d09.

The "Reset Filters" button has a text contrast of 1.50, its background is less than the 4.5 to 1 contrast ratio for text of size 17.5px and weight of 400. Recommendation: change background to #767676.

The "Trend", Region and Profile tab buttons have a text contrast of 4.41, their background is less than the 4.5 to 1 contrast ratio for text of size 16px and weight of 400.

The text "source: Ministry of Social Development, data current to 28 February 2021" has a text contrast of 1.60, the background is less than the 4.5 to 1 contrast ratio for text of size 16px and weight of 400. Recommendation: change text colour to #636363.

The "snapshot" button has an insufficient color contrast of 2.34 with its background less than the 4.5 to 1 contrast ratio for text of size 17.5px and weight of 400. Recommendation: change text colour to #167eae.

The "close" button/ X in the Social Development Data and Confidentiality modal has an insufficient color contrast of 1.61 with its background is less than the 4.5 to 1 contrast ratio for text of size 21px and weight of 700.

1.4.4 Resize text: (Level AA)

Show criterion text

Except for captions and images of text, text can be resized without assistive technology up to 200 percent without loss of content or functionality.



Understanding (http://www.w3.org/WAI/WCAG21/Understanding/resize-text.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#resize-text)

Results for the entire sample:

Outcome: Passed

Findings: Manually tested, ok.

1.4.5 Images of Text: (Level AA)

Show criterion text

If the technologies being used can achieve the visual presentation, text is used to convey information rather than images of text except for the following:

- · Customizable The image of text can be visually customized to the user's requirements;
- Essential A particular presentation of text is essential to the information being conveyed.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/images-of-text.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#images-of-text)

Results for the entire sample:

Outcome: Not present

Findings: -

1.4.10 Reflow: (Level AA)

Show criterion text

Content can be presented without loss of information or functionality, and without requiring scrolling in two dimensions for:

- Vertical scrolling content at a width equivalent to 320 CSS pixels;
- Horizontal scrolling content at a height equivalent to 256 CSS pixels;

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/reflow.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#reflow)

Results for the entire sample:

Outcome: Failed

Findings: The months and years (End of each month) within the graph are unable to be read when

zoomed in from 200%

The following element has "position: fixed". This may require scrolling in two dimensions, which is considered a failure of this Success Criterion:

<div class="modal sbs-modal fade shiny-bound-input" id="aboutboxdlg" tabindex="-1" data-sbs-trigger="aboutboxicon"> <div class="modal-...</div>

1.4.11 Non-text Contrast: (Level AA)

Show criterion text

The visual presentation of the following have a contrast ratio of at least 3:1 against adjacent color(s):

- User Interface Components Visual information required to identify user interface components and states, except for inactive components or where the appearance of the component is determined by the user agent and not modified by the author;
- Graphical Objects Parts of graphics required to understand the content, except when a particular
 presentation of graphics is essential to the information being conveyed.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/non-text-contrast.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#non-text-contrast)

Results for the entire sample:

Outcome: Failed

Findings: User interface components within the graphs - zoom, pan, reset etc have an insufficient color contrast of 1.74, their background is less than the 4.5 to 1 contrast ratio for element(s).

1.4.12 Text Spacing: (Level AA)

Show criterion text

In content implemented using markup languages that support the following text style properties, no loss of content or functionality occurs by setting all of the following and by changing no other style property:

- · Line height (line spacing) to at least 1.5 times the font size;
- · Spacing following paragraphs to at least 2 times the font size;
- · Letter spacing (tracking) to at least 0.12 times the font size;
- · Word spacing to at least 0.16 times the font size.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/text-spacing.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#text-spacing)

Results for the entire sample:

Outcome: Failed

Findings: Line height in the Confidentiality information is currently 1.8rem (1.2 equivalent) this needs to be set to 1.5 or if using rem values 2.25rem.

1.4.13 Content on Hover or Focus: (Level AA)

Show criterion text

Where receiving and then removing pointer hover or keyboard focus triggers additional content to become visible and then hidden, the following are true:

- Dismissable A mechanism is available to dismiss the additional content without moving pointer hover or keyboard focus, unless the additional content communicates an input error or does not obscure or replace other content;
- Hoverable If pointer hover can trigger the additional content, then the pointer can be moved over the additional content without the additional content disappearing;
- Persistent The additional content remains visible until the hover or focus trigger is removed, the
 user dismisses it, or its information is no longer valid.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/content-on-hover-or-focus.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#content-on-hover-or-focus)

Results for the entire sample:

Outcome: Passed

Findings; Manually tested, ok.

Principle 2 Operable

2.1 Keyboard Accessible

2.1.1 Keyboard: (Level A)

All functionality of the content is operable through a keyboard interface without requiring specific timings for individual keystrokes, except where the underlying function requires input that depends on the path of the user's movement and not just the endpoints.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/keyboard.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#keyboard)

Results for the entire sample:

Outcome: Failed

Findings: Unable to access and/or control the hamburger icon to close/open the "Sidebar filter"

Of significant concern is the tools used to build the graphs, currently all data visualisations are inaccessible to keyboard users and screen readers. Further Reference https://community.plotly.com/t/are-plotly-tables-accessible/8263/2 (https://community.plotly.com/t/are-plotly-tables-accessible/8263/2)

Currently the information button at the top right of the screen is in accessible by keyboard (tabindex="0" required)

Should the end user be able to access www.msd.govt.nz? (http://www.msd.govt.nz?) Currently unable to access via the logo - both keyboard and mouse users.

Keyboard sequence - when accessing the tabs via the keyboard the end user has to tab through all tabs before accessing (in this case) the snapshot button. There should be the option to use the arrow keys or spacebar to access the specifically selected tab's information.

2.1.2 No Keyboard Trap: (Level A)

Show criterion text

If keyboard focus can be moved to a component of the page using a keyboard interface, then focus can be moved away from that component using only a keyboard interface, and, if it requires more than unmodified arrow or tab keys or other standard exit methods, the user is advised of the method for moving focus away.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/no-keyboard-trap.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#no-keyboard-trap)

Results for the entire sample:

Outcome: Failed

Findings: When using the Keyboard to access the drop-down menus the end user gets trapped on the Assistance group drop down in mozilla.

2.1.4 Character Key Shortcuts: (Level A)

Show criterion text

If a keyboard shortcut is implemented in content using only letter (including upper- and lower-case letters), punctuation, number, or symbol characters, then at least one of the following is true:

- · Turn off A mechanism is available to turn the shortcut off;
- Remap A mechanism is available to remap the shortcut to use one or more non-printable keyboard characters (e.g. Ctrl, Alt, etc);
- Active only on focus The keyboard shortcut for a user interface component is only active when that component has focus.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/character-key-shortcuts.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#character-key-shortcuts)

Results for the entire sample:

Outcome: Cannot tell

Findings: -

2.2 Enough Time

2.2.1 Timing Adjustable: (Level A)

Show criterion text

For each time limit that is set by the content, at least one of the following is true:

- . Turn off The user is allowed to turn off the time limit before encountering it; or
- Adjust The user is allowed to adjust the time limit before encountering it over a wide range that is
 at least ten times the length of the default setting; or
- Extend The user is warned before time expires and given at least 20 seconds to extend the time
 limit with a simple action (for example, "press the space bar"), and the user is allowed to extend the
 time limit at least ten times; or
- Real-time Exception The time limit is a required part of a real-time event (for example, an
 auction), and no alternative to the time limit is possible; or
- . Essential Exception The time limit is essential and extending it would invalidate the activity; or
- . 20 Hour Exception The time limit is longer than 20 hours.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/timing-adjustable.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#timing-adjustable)

Results for the entire sample:

Outcome: Not present

Findings: -

2.2.2 Pause, Stop, Hide: (Level A)

Show criterion text

For moving, blinking, scrolling, or auto-updating information, all of the following are true:

- Moving, blinking, scrolling For any moving, blinking or scrolling information that (1) starts
 automatically, (2) lasts more than five seconds, and (3) is presented in parallel with other content,
 there is a mechanism for the user to pause, stop, or hide it unless the movement, blinking, or
 scrolling is part of an activity where it is essential; and
- Auto-updating For any auto-updating information that (1) starts automatically and (2) is presented
 in parallel with other content, there is a mechanism for the user to pause, stop, or hide it or to
 control the frequency of the update unless the auto-updating is part of an activity where it is
 essential.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/pause-stop-hide.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#pause-stop-hide)

Results for the entire sample:

Outcome: Not present

Findings: -

2.3 Seizures and Physical Reactions

2.3.1 Three Flashes or Below Threshold: (Level A)

Outcome: Failed

Findings: Manually tested, failed due to the positioning of the "Sidebar filter" in the file structure and the tabindex="1" for the information buttons.

Generally for keyboard users the user flow begins with the header then main content followed by the "filter Sidebar" then (when applicable) the footer.

In usual circumstances keyboard users have the option to "skip to main content" to bypass the "filter sidebar" (Check digital.govt.nz with your keyboard for an example)

The information buttons need to be changed from tabindex="1" to tabindex="0". A value of 0 indicates that the element should be placed in the default navigation order. Whereas tabindex="1" (or any number greater than 1) defines an explicit tab or keyboard navigation order. This must always be avoided as currently the keyboard user is beginning directly from the Recipients button then to the filter Sidebar then back to the tabs.

Incidentally the larger information icon to the right of the header is lacking a tabindex element and is currently inaccessible by keyboard users.

2.4.4 Link Purpose (In Context): (Level A)

Show criterion text

The purpose of each link can be determined from the link text alone or from the link text together with its programmatically determined link context, except where the purpose of the link would be ambiguous to users in general.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/link-purpose-in-context.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#link-purpose-in-context)

Results for the entire sample:

Outcome: Failed

Findings: The Hyperlinks for the graph (Seven small graph icons top right - Pan, Zoom in, Zoom out, Reset axis, Toggle Spike lines, Start the Y axis at zero, Show the range selection slider) have no link text, label or image with a text alternative. As icons add an "aria-label="an appropriate title for each hyperlink" to each hyperlink. i.e. aria-label="Reset axis"

2.4.5 Multiple Ways: (Level AA)

Show criterion text

More than one way is available to locate a Web page within a set of Web pages except where the Web Page is the result of, or a step in, a process.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/multiple-ways.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#multiple-ways)

Results for the entire sample:

Outcome: Cannot tell

Findings: Is this page intended to let the end user access other sites (i.e. msd.govt.nz) or is it a singular one page site?.

2.4.6 Headings and Labels: (Level AA)

Show criterion text

Headings and labels describe topic or purpose.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/headings-and-labels.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#headings-and-labels)

Results for the entire sample:

Outcome: Failed

Findings: The page contains an <h4> tag directly following an <h1> in the HTML structure. In order to maintain a consistent outline of the page for assistive technologies, reduce the gap in the heading level by upgrading this tag to an <h2> which is followed by the <h3> tag "Options".

Relevant code: <h4 class="modal-title">Social Development Data</h4>

2.4.7 Focus Visible: (Level AA)

Show criterion text

Any keyboard operable user interface has a mode of operation where the keyboard focus indicator is visible.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/focus-visible.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#focus-visible)

Results for the entire sample:

Outcome: Failed

Findings: :focus is not visible in Mozilla or IE, the standard focus outline is visible in Chromium based

browsers. Recommend adding at minimum within CSS, i.e. :focus {outline: 3px #b53cde;}

2.5 Input Modalities

2.5.1 Pointer Gestures: (Level A)

Show criterion text

All functionality that uses multipoint or path-based gestures for operation can be operated with a single pointer without a path-based gesture, unless a multipoint or path-based gesture is essential.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/pointer-gestures.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#pointer-gestures)

Results for the entire sample:

Outcome: Not checked

Findings: Manually tested, ok.

2.5.2 Pointer Cancellation: (Level A)

Show criterion text

For functionality that can be operated using a single pointer, at least one of the following is true:

- · No Down-Event The down-event of the pointer is not used to execute any part of the function;
- Abort or Undo Completion of the function is on the up-event, and a mechanism is available to abort the function before completion or to undo the function after completion;
- Up Reversal The up-event reverses any outcome of the preceding down-event;
- · Essential Completing the function on the down-event is essential.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/pointer-cancellation.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#pointer-cancellation)

Results for the entire sample:

Outcome: Not checked

Findings: -

2.5.3 Label in Name: (Level A)

Show criterion text

For user interface components with labels that include text or images of text, the name contains the text that is presented visually.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/label-in-name.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#label-in-name)

Results for the entire sample:

Outcome: Passed

Findings: Manually tested, ok.

2.5.4 Motion Actuation: (Level A)

Show criterion text

Functionality that can be operated by device motion or user motion can also be operated by user interface components and responding to the motion can be disabled to prevent accidental actuation, except when:

- Supported Interface The motion is used to operate functionality through an accessibility supported interface;
- . Essential The motion is essential for the function and doing so would invalidate the activity.

Understanding **G** (http://www.w3.org/WAI/WCAG21/Understanding/motion-actuation.html) How to meet **G** (http://www.w3.org/WAI/WCAG21/quickref/#motion-actuation)

Results for the entire sample:

Outcome: Not checked

Findings: Testing within a desktop environment only.

Principle 3 Understandable

3.1 Readable

3.1.1 Language of Page: (Level A)

Show criterion text

The default human language of each Web page can be programmatically determined.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/language-of-page.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#language-of-page)

Results for the entire sample:

Outcome: Failed

Findings: The html element should have a lang attribute which describes the language of the document, i.e.

<html> requires <html lang="en">

3.1.2 Language of Parts: (Level AA)

The human language of each passage or phrase in the content can be programmatically determined except for proper names, technical terms, words of indeterminate language, and words or phrases that have become part of the vernacular of the immediately surrounding text.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/language-of-parts.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#language-of-parts)

Results for the entire sample:

Outcome: Not present

Findings: -

3.2 Predictable

3.2.1 On Focus: (Level A)

Show criterion text

When any component receives focus, it does not initiate a change of context.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/on-focus.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#on-focus)

Results for the entire sample:

Outcome: Failed

Findings: Modal pop-ups when keyboard users are focused. The user did not initiate this action; it was initiated when user focus moved on to the information buttons.

3.2.2 On Input: (Level A)

Show criterion text

Changing the setting of any user interface component does not automatically cause a change of context unless the user has been advised of the behavior before using the component.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/on-input.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#on-input)

Results for the entire sample:

Outcome: Passed

Findings: Manually checked, ok.

3.2.3 Consistent Navigation: (Level AA)

Show criterion text

Navigational mechanisms that are repeated on multiple Web pages within a set of Web pages occur in the same relative order each time they are repeated, unless a change is initiated by the user.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/consistent-navigation.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#consistent-navigation)

Results for the entire sample:

Outcome: Not present

Findings: -

3.2.4 Consistent Identification: (Level AA)

Components that have the same functionality within a set of Web pages are identified consistently.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/consistent-identification.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#consistent-identification)

Results for the entire sample:

Outcome: Passed

Findings: Manually tested, ok.

3.3 Input Assistance

3.3.1 Error Identification: (Level A)

Show criterion text

If an input error is automatically detected, the item that is in error is identified and the error is described to the user in text.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/error-identification.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#error-identification)

Results for the entire sample:

Outcome: Not present

Findings: -

3.3.2 Labels or Instructions: (Level A)

Show criterion text

Labels or instructions are provided when content requires user input.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/labels-or-instructions.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#labels-or-instructions)

Results for the entire sample:

Outcome: Failed

Findings: Form controls must have labels. Add a descriptive title attribute to each control, or reference the label(s) using aria-labelledby.

Missing form label for all drop-down menus within options and drop-down menus within the tabs "Region" and "Profile". Brief testing with the NVDA screen reader read aloud all elements within the drop-down menus as "Blank".

If a form control does not have a properly associated text label, the function or purpose of that form control may not be presented to screen reader users.

Button <button> elements must have text content as its label, ensure the use of <button> to close the modal windows contains an aria-label or title to indicate its purpose to close the modal.

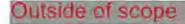
3.3.3 Error Suggestion: (Level AA)

Show criterion text

If an input error is automatically detected and suggestions for correction are known, then the suggestions are provided to the user, unless it would jeopardize the security or purpose of the content.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/error-suggestion.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#error-suggestion)

Results for the entire sample:



Outcome: Not present

Findings: -

3.3.4 Error Prevention (Legal, Financial, Data): (Level AA)

Show criterion text

For Web pages that cause legal commitments or financial transactions for the user to occur, that modify or delete user-controllable data in data storage systems, or that submit user test responses, at least one of the following is true:

- 1. Reversible Submissions are reversible.
- Checked Data entered by the user is checked for input errors and the user is provided an opportunity to correct them.
- Confirmed A mechanism is available for reviewing, confirming, and correcting information before finalizing the submission.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/error-prevention-legal-financial-data.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#error-prevention-legal-financial-data)

Results for the entire sample:

Outcome: Not present

Findings: -

Principle 4 Robust

4.1 Compatible

4.1.1 Parsing: (Level A)

Show criterion text

In content implemented using markup languages, elements have complete start and end tags, elements are nested according to their specifications, elements do not contain duplicate attributes, and any IDs are unique, except where the specifications allow these features.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/parsing.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#parsing)

Results for the entire sample:

Outcome: Not checked

Findings: -

4.1.2 Name, Role, Value: (Level A)

Show criterion text

For all user interface components (including but not limited to: form elements, links and components generated by scripts), the name and role can be programmatically determined; states, properties, and values that can be set by the user can be programmatically set; and notification of changes to these items is available to user agents, including assistive technologies.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/name-role-value.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#name-role-value)

Results for the entire sample:

Outcome: Failed

Findings: All information buttons have no associated label, either put the UI element inside a visible <label> element or add an aria-label or aria-labelledby attribute to the control or use the title attribute to provide a name when the design cannot accommodate a visual label;

All tool tip buttons to the top right of the graph (Pan, Zoom in, Zoom out etc) contain no link content, no name or ID attribute.

4.1.3 Status Messages: (Level AA)

Show criterion text

In content implemented using markup languages, status messages can be programmatically determined through role or properties such that they can be presented to the user by assistive technologies without receiving focus.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/status-messages.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#status-messages)

Results for the entire sample:

Outcome: Not present

Findings: -

Sample of audited web pages

Social Development Data

https://www.data.msd.govt.nz/ (https://www.data.msd.govt.nz/)

Related WCAG 2 resources

- Web Content Accessibility Guidelines (WCAG) (http://www.w3.org/WAI/standards-guidelines/wcag/)
 Overview: www.w3.org/WAI/intro/wcag
- How to Meet WCAG 2.1 Quick Reference (http://www.w3.org/WAI/WCAG21/quickref/) www.w3.org/WAI/WCAG21/quickref/
- WCAG Evaluation Methodology (WCAG-EM) (http://www.w3.org/WAI/eval/conformance)
 Overview: www.w3.org/WAI/eval/conformance

Report for Studylink Connect

Report Creator:

April 20, 2021

Evaluation Commissioner: Oulside of acope

Summary of the evaluation findings

The site fails to meet WCAG 2.1 at level AA. Many of the errors are minor, though there are some critical issues evident. The main issue for "Connect" is the Content layout. All HTML elements are required to be positioned within landmark elements. Landmark roles provide programmatic access to sections of a web page making it easy for the user to understand the structure of the page and easily navigate to different sections. Another consistent issue is the Header/title for each page (except the Home page) is set as an <h2>, proper structure is required for assistive technologies, it is important to lay out your headings beginning with an <H1>.

There were points identified that are outside the realm of WCAG level AA. These are more relevant to best practice or WCAG level AAA.

For example when the user first arrives they're exposed to two Realme logins which may confuse the end user. As they both appear in desktop and mobile environments one option would be to remove the small header login in desktop and the larger one in mobile. However as this is the key access portal it would be logical to focus on only the larger one.

Although there is no "official" font size for web sites there are sections throughout the pages set at 14px I recommend increasing this to 16px or 1rem/100%, preferably the latter as they scalable.

The Studylink logo on the Landing page links to the Studylink site as expected though throughout the "Connect" pages this is a static image. This may be intentional so the end user doesn't leave the application process but also may confuse if the user wishes to return to Studylink. Further more the users may become confused andd click the "Home" button which only returns to the beginning of the application process.

Please use target="_blank" sparingly, for example the "Terms and Conditions". Opening links in new tabs or windows can be very discrienting for people, especially for people who have difficulty perceiving visual content. Secondly, it's not always a good practice to control a user's experience or make decisions for them. Alert the user that the link opens in a new window within the link text.

For Keyboard Users on the Help page the question mark and corresponding question are identical links. Further more Screen reader Users - already aware they're on the Help page from the title - Will hear the repetitive "help" prior to each question.

Finally avoid using All Caps for the Breadcrumbs. Readability is reduced as all words have a uniform rectangular shape - certain readers cannot identify words by their shape.

Please refer to the additional "Connect Evaluation" for collated recommendations.

Scope of the evaluation

Website

Studylink Connect

name

Scope of the This evaluation combines the landing page.

website

WCAG

WCAG 2.1

Version

Conformance Level AA

target

Jutside of scope

Additional evaluation

This evaluation consists of common web pages inclusive of different types of content. The pages tested were in conformance with WCAG 2.1 at level AA. Any deviation is through requirements utilisation of the New Zealand Government Web Standards methodologies.

- 1. Google Chrome (v89.0.4389.114) all tasks
- 2. Firefox (88.0b5) all tasks

Accessibility 3, Windows 10

support

4. Keyboard

baseline

- 5. Accessibility testing tools aXe, WAVE, IBM Accessibility checker, ARC Toolkit
- NVDA Homepage only
 - HTML5

Relied upon technologies · CSS

WAI-ARIA

· SVG

Overview of audit results

Results of Level AA

Principle Level ALevel AA 1. Perceivable 9/10 7/9 2. Operable 5/11 2/3 3. Understandable 3 / 5 5/5 4. Robust 1/2 1/1 16 / 27 17 / 19 Total

Detailed audit results

Principle 1 Perceivable

1.1 Text Alternatives

1.1.1 Non-text Content: (Level A)

Show criterion text

All non-text content that is presented to the user has a text alternative that serves the equivalent purpose, except for the situations listed below.

- · Controls, Input If non-text content is a control or accepts user input, then it has a name that describes its purpose. (Refer to Guideline 4.1 for additional requirements for controls and content that accepts user input.)
- · Time-Based Media If non-text content is time-based media, then text alternatives at least provide descriptive identification of the non-text content. (Refer to Guideline 1.2 for additional requirements for media.)
- Test If non-text content is a test or exercise that would be invalid if presented in text, then text alternatives at least provide descriptive identification of the non-text content.
- · Sensory If non-text content is primarily intended to create a specific sensory experience, then text alternatives at least provide descriptive identification of the non-text content.
- CAPTCHA If the purpose of non-text content is to confirm that content is being accessed by a person rather than a computer, then text alternatives that identify and describe the purpose of the non-text content are provided, and alternative forms of CAPTCHA using output modes for different types of sensory perception are provided to accommodate different disabilities.

Decoration, Formatting, Invisible If non-text content is pure decoration, is used only for visual
formatting, or is not presented to users, then it is implemented in a way that it can be ignored by
assistive technology.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/non-text-content.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#non-text-content)

Results for the entire sample:

Outcome: Failed

Findings: Majority passed however the Student details Help image in the pop up dialogue requires and alt tag. If this image is purely decoration alt="" is sufficient.

The submit page image(s) uploaded requires an alt tag.

Results for: (https://www.connect-preprod.co.nz/landingPage/)

Outcome: Passed

Findings: Manually tested, ok.

Results for: (https://www.connect.co.nz/userTerms/userTerms.html)

Outcome: Passed

Findings: Manually tested, ok.

Results for: (https://www.connect.co.nz/studylink#!/applications)

Outcome: Passed

Findings: Manually tested, ok.

Results for: (https://www.connect.co.nz/studylink#!/studentDetails)

Outcome: Failed

Findings: Help image in pop-up dialogue requires an alt tag. If decorative only alt="" is sufficient.

Results for: (https://www.connect.co.nz/studylink#!/submit)

Outcome: Failed

Findings: Image uploaded as evidence requires an alt tag. If decorative only alt="" is sufficient.

Results for: (https://www.connect.co.nz/studylink.html#!/help)

Outcome: Passed

Findings: Manually tested, ok.

Results for: (https://www.connect.co.nz/studylink#!/fileUpload)

Outcome: Passed

Findings: Manually tested, ok.

Results for: (https://www.connect.co.nz/studylink#!/uploadForm)

Outcome: Passed

Findings: Manually tested, ok.

1.2 Time-based Media

1.2.1 Audio-only and Video-only (Prerecorded): (Level A)

Show criterion text

For prerecorded audio-only and prerecorded video-only media, the following are true, except when the audio or video is a media alternative for text and is clearly labeled as such:

 Prerecorded Audio-only An alternative for time-based media is provided that presents equivalent information for prerecorded audio-only content. Prerecorded Video-only Either an alternative for time-based media or an audio track is provided that presents equivalent information for prerecorded video-only content.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/audio-only-and-video-only-prerecorded.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#audio-only-and-video-only-prerecorded)

Results for the entire sample:

Outcome: Not present

Findings: -

Results for: (https://www.connect-preprod.co.nz/landingPage/)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/userTerms/userTerms.html)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/applications)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/studentDetails)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/submit)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink.html#!/help)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/fileUpload)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/uploadForm)

Outcome: Not present

Findings: -

1.2.2 Captions (Prerecorded): (Level A)

Show criterion text

Captions are provided for all prerecorded audio content in synchronized media, except when the media is a media alternative for text and is clearly labeled as such.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/captions-prerecorded.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#captions-prerecorded)

Results for the entire sample:

Outcome: Not present

Findings: -

Results for: (https://www.connect-preprod.co.nz/landingPage/)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/userTerms/userTerms.html)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/applications)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/studentDetails)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/submit)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink.html#!/help)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/fileUpload)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/uploadForm)

Outcome: Not present

Findings: -

1.2.3 Audio Description or Media Alternative (Prerecorded): (Level A)

Show criterion text

An alternative for time-based media or audio description of the prerecorded video content is provided for synchronized media, except when the media is a media alternative for text and is clearly labeled as such.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/audio-description-or-media-alternative-prerecorded.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#audio-description-or-media-alternative-prerecorded)

Results for the entire sample:

Outcome: Not present

Findings: -

Results for: (https://www.connect-preprod.co.nz/landingPage/)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/userTerms/userTerms.html)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/applications)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/studentDetails)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/submit)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink.html#!/help)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/fileUpload)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/uploadForm)

Outcome: Not present

Findings: -

1.2.4 Captions (Live): (Level AA)

Show criterion text

Captions are provided for all live audio content in synchronized media.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/captions-live.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#captions-live)

Results for the entire sample:

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/userTerms/userTerms.html)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/applications)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/studentDetails)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/submit)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink.html#!/help)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/fileUpload)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/uploadForm)

Outcome: Not present

Findings: -

1.2.5 Audio Description (Prerecorded): (Level AA)

Show criterion text

Audio description is provided for all prerecorded video content in synchronized media.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/audio-description-prerecorded.html)
How to meet (http://www.w3.org/WAI/WCAG21/quickref/#audio-description-prerecorded)

Results for the entire sample:

Outcome: Not present

Findings: -

Results for: (https://www.connect-preprod.co.nz/landingPage/)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/userTerms/userTerms.html)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/applications)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/studentDetails)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/submit)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink.html#!/help)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/fileUpload)

Outcome: Not present

Findings: -

Results for: (https://www.connect.co.nz/studylink#!/uploadForm)

Outcome: Not present

Findings: -

1.3 Adaptable

1.3.1 Info and Relationships: (Level A)

Information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text.

Understanding **C** (http://www.w3.org/WAI/WCAG21/Understanding/info-and-relationships.html) How to meet **C** (http://www.w3.org/WAI/WCAG21/quickref/#info-and-relationships)

Results for the entire sample:

Outcome: Failed

Findings: To give your document a proper structure for assistive technologies, it is important to lay out your headings beginning with an <h1>. The heading elements <h1>-<h6> provide important document structure and navigation functionality to assistive technology users.

Results for: (https://www.connect-preprod.co.nz/landingPage/)

Outcome: Failed

Findings: Subtitle "document delivery that's secure, quick and easy." appears to be a heading but is not

a heading element.

Recommend: change from to <h2>

Results for: (https://www.connect.co.nz/userTerms/userTerms.html)

Outcome: Passed

Findings: Manually tested, ok.

Results for: (https://www.connect.co.nz/studylink#!/applications)

Outcome: Failed

Findings: Currently no <h1> in use to represent the page. Recommend: change <h2>My

applications</h2> to an <h1>.

Results for: (https://www.connect.co.nz/studylink#l/studentDetails)

Outcome: Failed

Findings: Currently no <h1> in use to represent the page. Recommend: change <h2>New

application</h2> to an <h1>.

Results for: (https://www.connect.co.nz/studylink#!/submit)

Outcome: Failed

Findings: Currently no <h1> in use to represent the page. Recommend: change <h2>New

application</h2> to an <h1>.

Results for: (https://www.connect.co.nz/studylink.html#!/help)

Outcome: Failed

Findings: Currently no <h1> in use to represent the page. Recommend: change <h2>Help</h2> to an

<h1>.

Results for: (https://www.connect.co.nz/studylink#!/fileUpload)

Outcome: Failed

Findings: Currently no <h1> in use to represent the page. Recommend: change <h2>New

application</h2> to an <h1>.

Keep in mind in changing the <h2> to an <h1> will create a ripple affect as there will be no <h2> before the <h3>. In this case the <h3> will need to be changed to an <h2>

Results for: (https://www.connect.co.nz/studylink#!/uploadForm)

Outcome: Failed

Findings: Currently no <h1> in use to represent the page. Recommend: change <h2>New

application</h2> to an <h1>.

Form control has more than one label (Drop-down arrow for Application type).

Recommend: If the 'for' attribute references a form control, find all <label> elements with this 'for' attribute value. Decide which is the intended label and remove or change the others;

OR, if the 'for' attribute does not reference a form control, remove the label or the 'for' attribute.

1.3.2 Meaningful Sequence: (Level A)

Show criterion text

When the sequence in which content is presented affects its meaning, a correct reading sequence can be programmatically determined.

Understanding (http://www.w3.org/WAI/WCAG21/Understanding/meaningful-sequence.html) How to meet (http://www.w3.org/WAI/WCAG21/quickref/#meaningful-sequence)

Results for the entire sample:

Outcome: Passed

Findings: Manually tested, ok.

Results for: (https://www.connect-preprod.co.nz/landingPage/)

Outcome: Passed

Findings: Manually tested, ok.

Results for: (https://www.connect.co.nz/userTerms/userTerms.html)

Outcome: Passed

Findings: Manually tested, ok.

Results for: (https://www.connect.co.nz/studylink#!/applications)

Outcome: Passed

Findings: Manually tested, ok.

Results for: (https://www.connect.co.nz/studylink#!/studentDetails)

Outcome: Passed

Findings: Manually tested, ok.

Results for: (https://www.connect.co.nz/studylink#!/submit)

Outcome: Passed

Findings: Manually tested, ok.

Results for: (https://www.connect.co.nz/studylink.html#!/help)

Outcome: Passed

Findings: Manually tested, ok.

Results for: (https://www.connect.co.nz/studylink#!/fileUpload)

Outcome: Passed

Findings: Manually tested, ok.

Results for: (https://www.connect.co.nz/studylink#!/uploadForm)

Outcome: Passed

Findings: Manually tested, ok.

1.3.3 Sensory Characteristics: (Level A)