



Arab Web Accessibility Study

Quarter 4, 2024

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Preface

Welcome to the inaugural Arab Web Accessibility Study, an exploration into the state of web accessibility across the Arab region. This study brought to life by the team at Mada, the Assistive Technology Center Qatar, marks a significant stride towards our collective vision of a digitally inclusive society. Established in 2010, Mada has been at the forefront of advocating for the rights and digital inclusion of persons with disabilities (PWDs) in Qatar and beyond. As a Center of Excellence in digital access in Arabic, our efforts are dedicated to breaking down barriers and opening new avenues for technology to serve as a bridge to empowerment and equality.

The Arab Web Accessibility Study is the culmination of extensive research, collaboration, and a shared commitment to making the digital world accessible to all. It reflects Mada's foundational goal to foster a technologically advanced community that is attuned to the needs of PWDs, not just in Qatar but across the entire Arab region. By mapping out the current landscape of web accessibility, this study aims to highlight the progress made, identify the challenges that lie ahead, and offer actionable insights for a more inclusive digital future.

In these pages, you will find an examination of web accessibility practices across Arab countries, shedding light on the state of digital inclusivity. This research endeavors not only to understand where we stand today but also to pave the way for meaningful improvements in the accessibility of digital platforms. Through this work, Mada reinforces its commitment to ensuring that the digital realm is a space where everyone, regardless of their abilities, can participate fully and independently.

As we present the results from this project, we extend our gratitude to everyone who has contributed to this groundbreaking study. Together, we look forward to building a more inclusive digital world, one that truly embodies the principles of equality and accessibility for all.

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Executive Summary

Advancing Digital Inclusion: A Study on Web Accessibility Across the Arab World

Under the auspices of Mada, the Assistive Technology Center Qatar, this study delves into the state of web accessibility across the Arab world, and emerges as a pioneering document, underlining Mada's mission to advance digital inclusivity for persons with disabilities (PWDs). Since its inception in 2010, Mada has become a global beacon of excellence, dedicated to harnessing the power of ICT to foster a more inclusive society, particularly for the Arabic-speaking population.

The Arab Web Accessibility Study represents a pioneering effort focused on enhancing web accessibility within the Arab region, marking a significant milestone in efforts to foster digital inclusivity for individuals with disabilities. This comprehensive study, the first of its kind, meticulously evaluated the digital landscapes of all Arab countries, covering Algeria, Bahrain, Comoros, Djibouti, Egypt, Iraq, Jordan, Kuwait, Lebanon, Libya, Mauritania, Morocco, Oman, Palestine, Qatar, Saudi Arabia, Somalia, Sudan, Syria, Tunisia, the United Arab Emirates, and Yemen. By analyzing the homepage of 4,965 websites across various sectors, including government, education, healthcare, and commerce, the study provides an overview of the current state of web accessibility in the region.

Scope and Vision

This study, the first of its kind, encompasses an analysis of the homepage of 4,965 websites across all Arab countries. It aims to map out the accessibility landscape, offering a unique perspective on digital inclusivity and setting the stage for transformative change. The Arab Web Accessibility Study Q4 not only assesses compliance with the Web Content Accessibility Guidelines (WCAG) 2.2 but also provides accessibility pillar, and individual criteria-specific insights to enhance web accessibility.

Key Discoveries and Strategies for Advancement

- A nuanced understanding of web accessibility across the Arab region, revealing both achievements and areas in need of significant improvement.
- An urgent call for the adoption of WCAG 2.2 standards across digital platforms to bridge the accessibility gap.
- Strategic recommendations for stakeholders to implement robust training, regulatory frameworks, and monitoring mechanisms to ensure universal digital accessibility.

Commitment to a Digitally Inclusive Future

Mada's initiative in producing the Arab Web Accessibility Study underscores a steadfast commitment to creating a technologically advanced and inclusive community. This study not only serves as a starting point for current accessibility standards but also as a blueprint for future action. Through collaboration, innovation,



and advocacy, Mada and its partners are dedicated to realizing a digital environment that is accessible to all, embodying our shared vision of inclusivity, independence, and participation for PWDs in the Arab region and beyond.

Conclusion

This study stands as a foundation in the journey towards digital equality in the Arab region. It offers a comprehensive evaluation of the present state of web accessibility, not only underscoring the prevailing barriers but also proposing feasible solutions through specific recommendations. The commitment to enhancing digital inclusivity is evident through the study's insights, which serve as a call to action for stakeholders across the region. As the first comprehensive study of its kind, this study paves the way for sustained efforts to ensure that the digital domain is accessible to everyone, fostering a more inclusive and equitable digital future for individuals with disabilities in the Arab region.



common accessibility issues. Taibah University’s homepage was noted as the most accessible among those evaluated.

- E-commerce Web Accessibility:** Studies assessing the accessibility of Arabic e-commerce websites employed automated technologies to detect common accessibility concerns. These research initiatives highlight the need for improvements in navigation, readability, and input assistance to make e-commerce more accessible to people with disabilities. [10] investigated the accessibility of e-commerce websites in Saudi Arabia for disabled users by evaluating three popular sites with five accessibility testing tools, finding common accessibility issues, and highlighting the need for improvements despite the potential offered by various supportive tools.

In Kuwait, a study focused on developing and implementing Arabic accessibility resources for developers, web content managers, and designers [5]. These efforts indicate a rising awareness and commitment to increasing web accessibility in the Arab region, while also emphasizing the need of continual improvements and the use of standardized accessibility rules across various sectors. The Arab Digital Inclusion Platform was established to support policymakers in developing national digital accessibility policies and guidelines [11]. This platform serves as a resource for promoting inclusive digital transformation in the region.

Mada's initiatives, such as the [Tawasol Symbols](#) and the [Unified Arabic Braille](#), exemplify the critical role of localization in enhancing digital accessibility for the Arab region [12]. These projects not only cater to the specific needs of the local population but also align with sustainability goals, further reinforcing the importance of sector-specific developments in digital accessibility. Additionally, [13] highlights the overarching benefits of implementing digital accessibility policies, emphasizing how such frameworks can extend inclusivity and diversity across communities, thereby amplifying the impact of sector-specific accessibility advancements.

2. Web Accessibility Standards

To attain accessibility status, a website must typically adhere to established web accessibility standards and guidelines, which guarantee that its features and content are usable by individuals with diverse abilities. The World Wide Web Consortium (W3C) is responsible for developing the Web Content Accessibility Guidelines (WCAG), which are the most widely acknowledged standards.

Here are the key principles of WCAG 2.2 [14], known as the four pillars of accessibility, under which specific criteria (success criteria) fall:

- 1. Perceivable:** i.e., individuals must be able to understand the information that is being presented.
 - **Text Alternatives:** Offer text alternatives for any material that is not in text form (e.g., images, videos).
 - **Time-based Media:** Offer substitutes for time-based media (e.g., audio and video).



- **Adaptable:** Create content that can be presented in different ways without losing meaning (e.g., through assistive technologies or by user choice).
 - **Distinguishable:** Separate the foreground and the background to make material easier to view and hear for users.
2. **Operable** i.e., the interface has to be user-friendly.
- **Keyboard Accessible:** Ensure that all features can be accessed with a keyboard.
 - **Enough Time:** Ensure that users are given an adequate amount of time to read and interact with the material.
 - **Seizures and Physical Reactions:** Create content in a manner that avoids triggering seizures or eliciting bodily responses.
 - **Navigable:** Offer ways to assist users in navigating, finding material, and determining their location.
3. **Understandable** i.e., Users must be able to understand both the information and how the user interface works.
- **Readable:** Ensure that the textual information is both comprehensible and easy to understand.
 - **Predictable:** Ensure that web pages have consistent and predictable appearance and functionality.
 - **Input Assistance:** Assist users in preventing and rectifying mistakes.
4. **Robust** i.e., users must be able to access the content as technologies advance
- **Compatible:** Maximize compatibility with current and future user agents, including assistive technologies (e.g., screen readers).

3. Methodology

To map the landscape of web accessibility across the Arab region, this study embarked on the examination of websites spanning all Arab countries. The countries included in this study encompass Algeria, Bahrain, Comoros, Djibouti, Egypt, Iraq, Jordan, Kuwait, Lebanon, Libya, Mauritania, Morocco, Oman, Palestine, Qatar, Saudi Arabia, Somalia, Sudan, Syria, Tunisia, the United Arab Emirates, and Yemen. This expansive coverage ensures a comprehensive understanding of web accessibility practices across the Arab world, laying the groundwork for targeted improvements and the formulation of region-wide digital inclusivity strategies.

In the fourth quarter phase of our web accessibility analysis, we initially targeted 5,819 websites across the Arab region. However, after the data crawling and cleaning process, the final analysis was conducted on



4,965 of these websites. The reduction in the number of websites was due to various errors and security barriers encountered when attempting to execute our proprietary evaluation code. These challenges ranged from technical errors within the websites themselves to stringent security measures that prevented our assessment tools from running effectively. Despite these obstacles, the substantial sample size of 4,965 websites remains representative and sufficient for drawing meaningful insights into the state of web accessibility within the region. The data derived from these sites has been critical in identifying both the strengths and areas for improvement in web accessibility practices, providing a robust foundation for our comprehensive quarterly analysis.

4. Results

Our comprehensive analysis of the websites for web accessibility reveals a mixed landscape of compliance with WCAG success criteria, detailed in a complete table and a corresponding chart for a distilled visual summary.

4.1. Distribution of Websites by countries

Figure 1 displays the number of websites assessed from each Arab country in this study, with the United Arab Emirates (UAE) having the highest representation, followed by Bahrain, Kingdom of Saudi Arabia (KSA), Kuwait, and Iraq. The study encompassed a diverse range from across the region, including countries, such as Djibouti and Somalia, illustrating the breadth of the web accessibility evaluation.



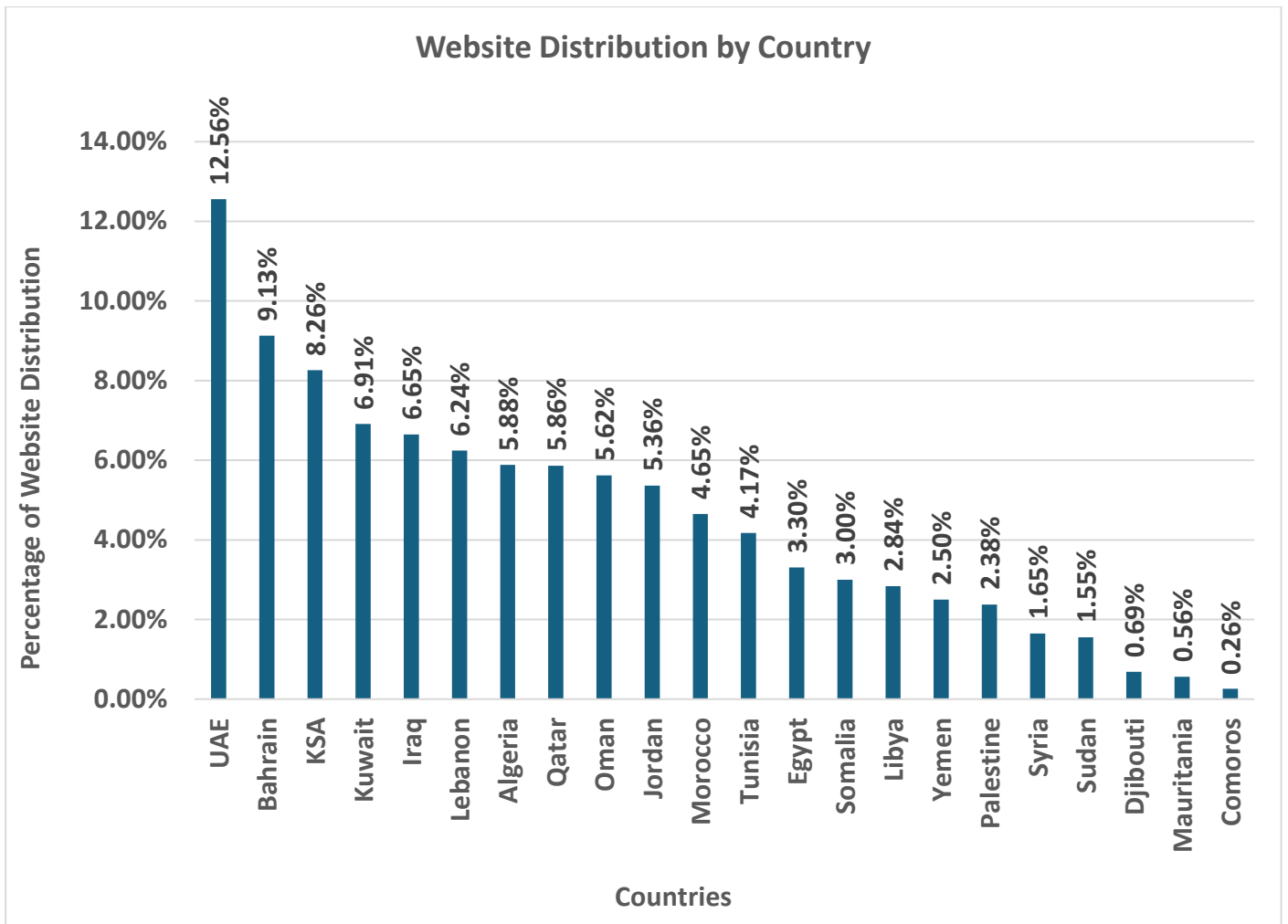


Figure 1: Website distribution by country.

4.2. Distribution of website by sector

Figure 2 illustrates the distribution of websites analyzed in this study, categorized by sector. It shows that most websites fall under the 'education' category, followed by 'government'. The 'others' category comprised 882 websites, representing a variety of sectors including but not limited to industry, sports, etc., while charity had the fewest, with only 32 sites evaluated.



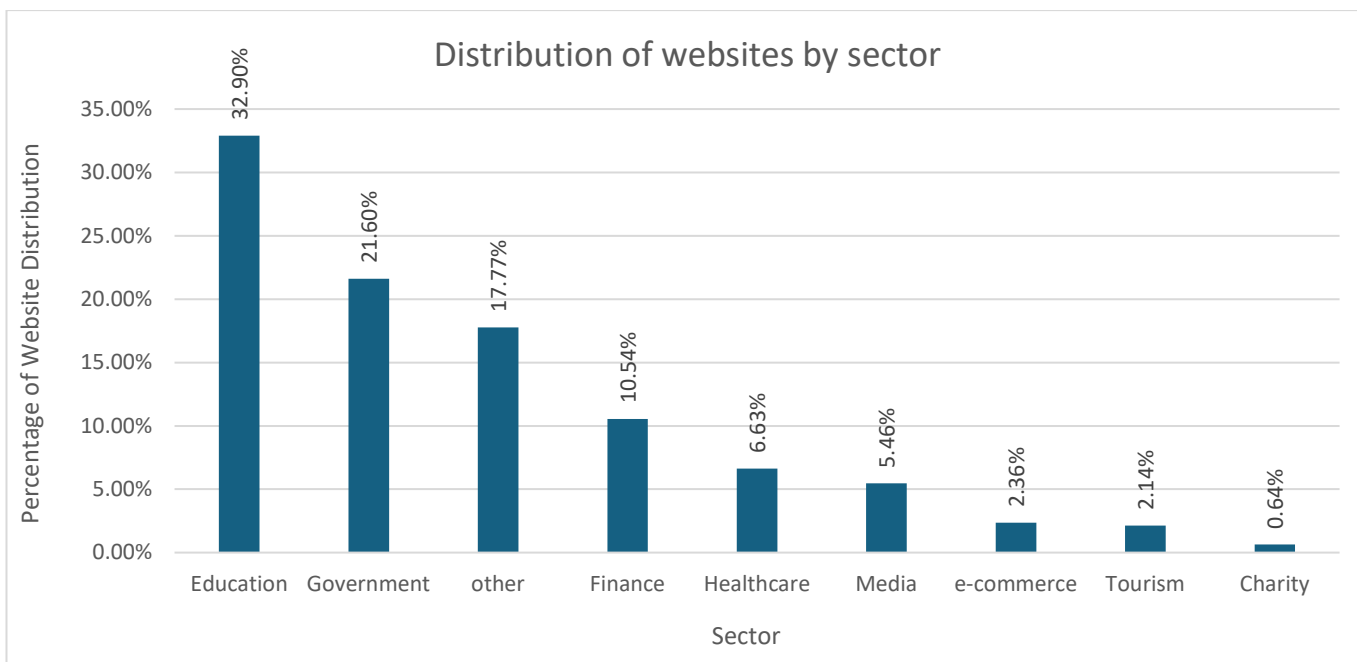


Figure 2: Website distribution by sector.

4.3. Comprehensive Accessibility Audit Overview

The accessibility audit results of 4,965 websites based on **automated testing of their home pages are in Table 1** below. Precautions should be taken when interpreting the results as automated testing only assesses about 50% of the accessibility criteria. Extensive usability testing across multiple pages is required to understand the complete web accessibility status of the website.

The "Success" column shows the percentage of sites that successfully implemented each success criteria according to the automated testing, the "Fail" column shows the percentage of sites that failed, and the "N/A" (Not Applicable) column indicates the percentage of sites where the criteria were not applicable. For in-depth information on the terms used in the success criteria and their corresponding pillar of accessibility—Perceivable, Operable, Understandable, and Robust—please refer to the appendix. The appendix is structured into two informative sections: the first elaborates on the definitions and importance of each success criterion (Appendix A), and the second maps these criteria to their respective pillars, providing an organized framework to understand the complex data (Appendix B).

Table 1: Accessibility audit results of 4965 websites

Success criteria	Success	Fail	N/A
accesskeys	1.57%	0.06%	98.37%
aria-allowed-attr	68.96%	5.72%	25.32%
aria-allowed-role	72.63%	9.51%	17.87%
aria-command-name	19.78%	1.87%	78.35%
aria-conditional-attr	74.68%	0.00%	25.32%



Success criteria	Success	Fail	N/A
aria-deprecated-role	73.45%	0.00%	26.55%
aria-dialog-name	3.67%	3.14%	93.19%
aria-hidden-body	99.92%	0.02%	0.06%
aria-hidden-focus	62.70%	6.55%	30.76%
aria-input-field-name	1.65%	6.71%	91.64%
aria-meter-name	0.00%	0.00%	100.00%
aria-progressbar-name	0.08%	0.20%	99.72%
aria-prohibited-attr	71.48%	3.20%	25.32%
aria-required-attr	72.65%	0.81%	26.55%
aria-required-children	12.65%	9.33%	78.03%
aria-required-parent	15.05%	3.32%	81.63%
aria-roles	72.85%	0.60%	26.55%
aria-text	0.04%	0.00%	99.96%
aria-toggle-field-name	2.98%	1.19%	95.83%
aria-tooltip-name	0.12%	0.06%	99.82%
aria-treeitem-name	0.04%	0.00%	99.96%
aria-valid-attr-value	71.90%	2.80%	25.30%
aria-valid-attr	74.54%	0.16%	25.30%
button-name	37.60%	21.71%	40.68%
bypass	3.22%	0.00%	96.78%
color-contrast	28.64%	70.69%	0.66%
definition-list	0.73%	0.38%	98.89%
dlitem	1.01%	0.10%	98.89%
document-title	98.65%	1.33%	0.02%
duplicate-id-aria	7.81%	0.00%	92.19%
form-field-multiple-labels	0.66%	0.00%	99.34%
frame-title	19.54%	15.61%	64.85%
heading-order	39.62%	55.19%	5.20%
html-has-lang	87.49%	12.49%	0.02%
html-lang-valid	87.65%	0.34%	12.00%
html-xml-lang-mismatch	2.56%	0.06%	97.38%
image-alt	56.03%	41.63%	2.34%
image-redundant-alt	88.96%	8.70%	2.34%
input-button-name	15.95%	1.67%	82.38%
input-image-alt	0.28%	0.54%	99.17%
label	43.08%	9.20%	47.71%
link-in-text-block	33.64%	8.00%	58.37%
link-name	19.58%	79.27%	1.15%
list	79.03%	13.05%	7.92%
listitem	82.09%	10.13%	7.77%



Web Accessibility Compliance Analysis for Arab Region Websites

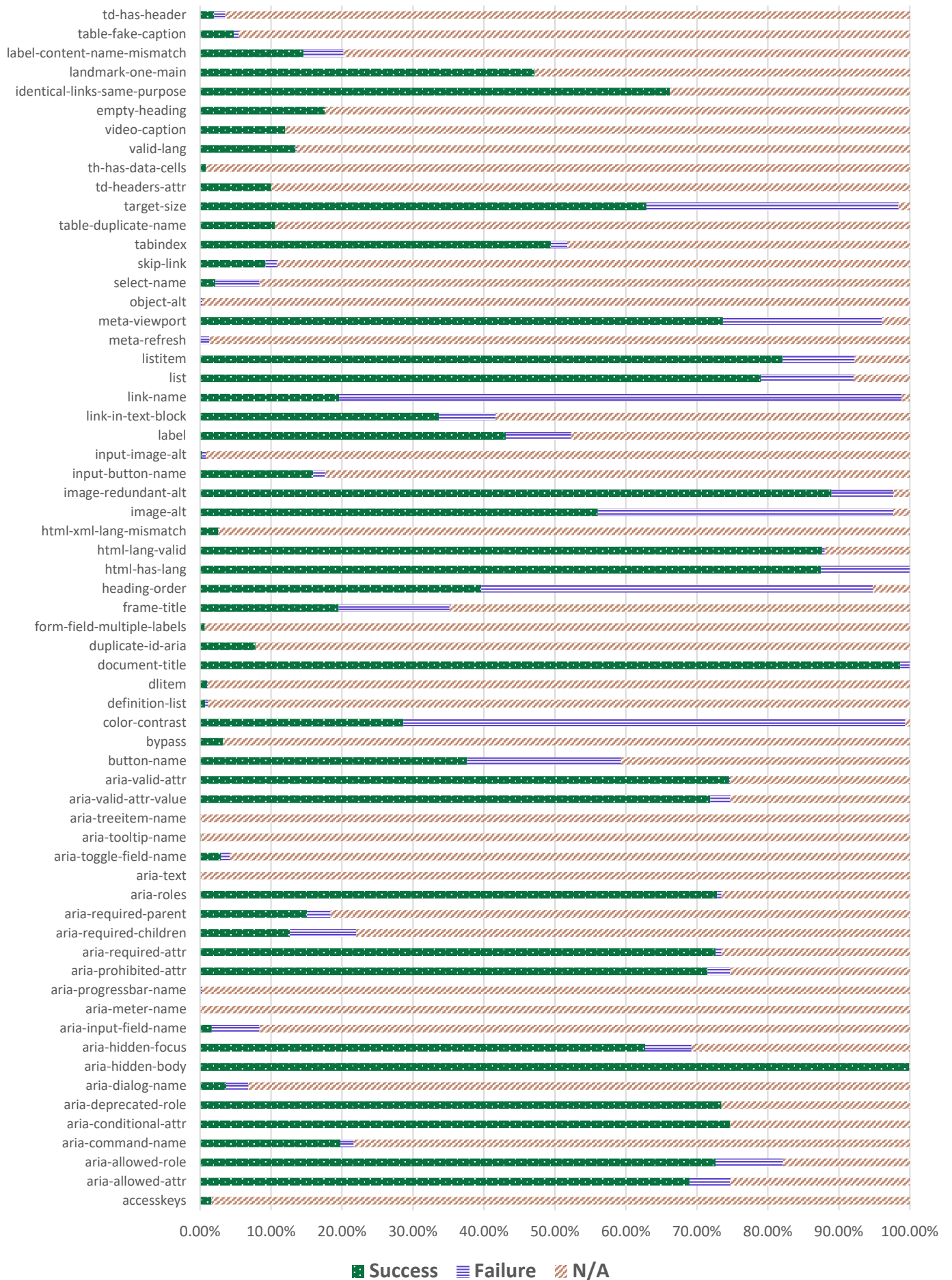


Figure 3: Web accessibility compliance analysis overview for Arab region websites (Above).

4.4.Accessibility Performance Highlights

Some highlights and key points from the analysis:

1. High Success Rates based on automated testing:

- **aria-hidden-body** had a 99.92% success rate, indicating that all audited sites correctly implemented this feature according to the automatic testing.
- **document-title** is almost used correctly on most websites, with a 98.65% success rate.
- **html-has-lang** and **html-lang-valid** had a high success rate of 87.49 % and 87.65 %, indicating that most audited websites specify a default language for their content.
- **Image-redundant-alt** also had a high success rate of 88.96 %, indicating a high level of compliance with the standard, ensuring that redundant or decorative images do not interfere with the experience of screen reader users.

2. Low Success Rates:

link-name had a notably high failure rate at 79.27 %, indicating that a considerable proportion of the links evaluated did not meet the necessary standards. This indicates a substantial issue with link naming practices, which can severely impact the usability and accessibility of the content for users with visual impairments or other disabilities.

3. Accessibility Issues Requiring Immediate Attention:

- The **bypass** criterion had a success rate of 3.22 %, and the rest of it was deemed “NA” indicating this criterion was not measurable for most websites using the automatic testing process.
- **color-contrast** had a failure rate of 70.69%. This indicates a substantial issue with color contrast across the content, potentially impacting the readability and usability for a sizable number of users. Adequate color contrast is crucial for readability and accessibility, particularly for users with visual impairments or color blindness.

4. Criteria with Moderate Success:

Criteria such as **aria-allowed-role**, **aria-conditional-attr**, **aria-deprecated-role**, **aria-prohibited-attr**, **aria-required-attr**, **aria-roles**, **aria-valid-attr-value**, **aria-valid-attr**, **list**, and **meta-viewport** have success rates above 70%, indicating a moderate level of implementation across the websites.



4.5. Accessibility Pillars Criteria Evaluation Summary

Figure 4 demonstrates the accessibility of each of the pillars of accessibility, highlighting success, failure, and non-applicable rates for each category. For "Perceivable" (ensuring content is accessible to the senses), 21.71% succeeded, 9.60% failed, and 68.69% were not applicable. For "Robust" (ensuring content is compatible with various technologies), 44.69% succeeded, 4.21% failed, and 51.10% were not applicable. For "Operable" (ensuring users can interact with all controls), 37.87% succeeded, 17.58% failed, and 44.55% were not applicable. For "Understandable" (ensuring content is easy to comprehend), 38.36% succeeded, 2.61% failed, and 59.03% were not applicable. For "Best Practice" (following optimal accessibility standards), 28.37% succeeded, 6.71% failed, and 64.92% were not applicable.

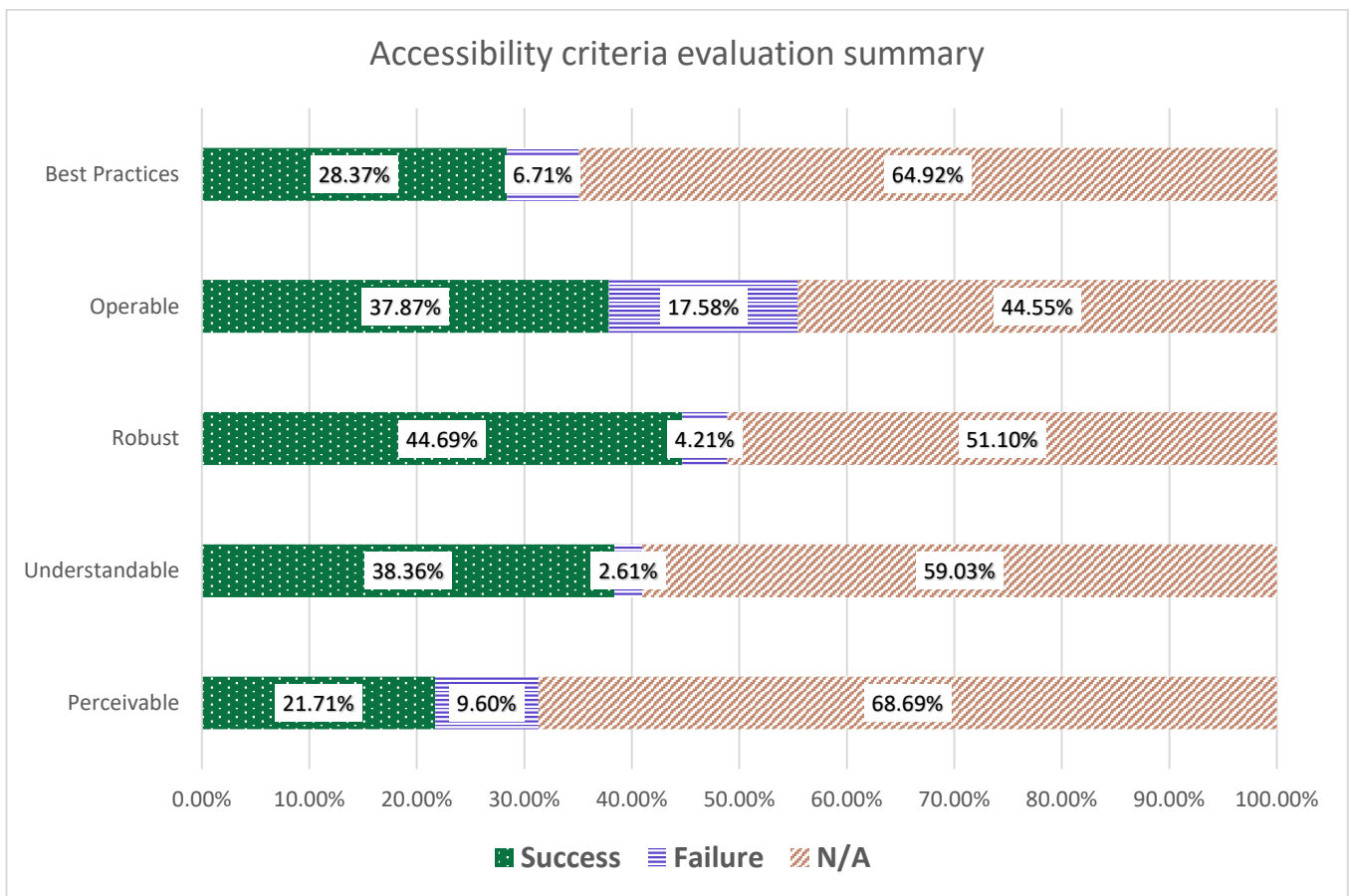


Figure 4: Accessibility Pillars Success Evaluation Criteria

4.6. Perceivable Criterion Performance

Figure 5 below gives an overview of how well websites are meeting success criteria based on automated testing under the principle of "Perceivable," one of the four pillars of accessibility according to the Web



Content Accessibility Guidelines (WCAG) on average. The "Perceivable" principle emphasizes the need for information and user interface components to be presentable to users in ways they can perceive.

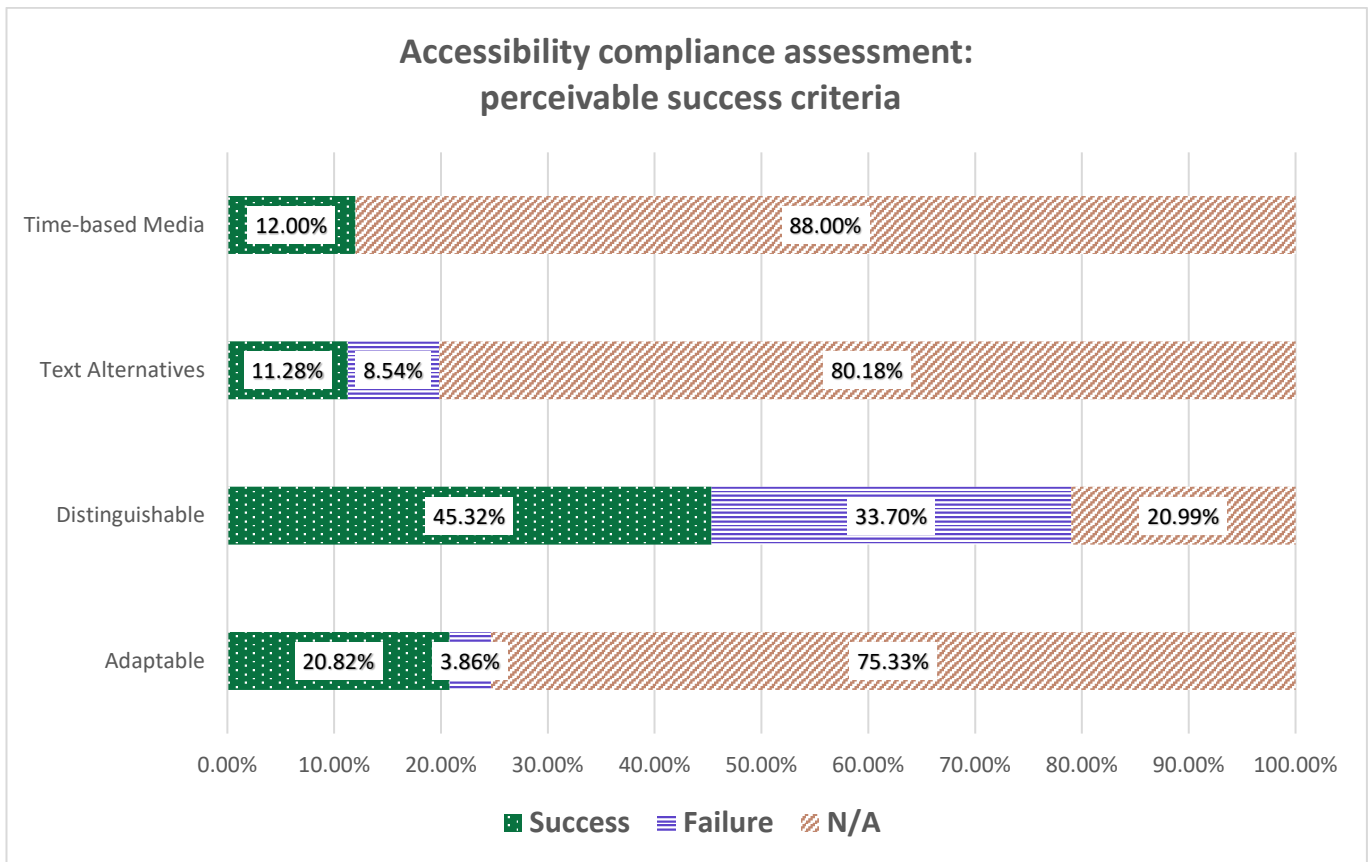


Figure 5: Perceivable success criteria compliance assessment analysis results overview.

1. Text Alternatives (Average: 11.28 % Success, 8.54 % Fail, 80.18 % N/A):

This success criterion focuses on providing text alternatives for any non-text content. The data suggests that 11.28 % of the sites have provided text alternatives for non-text content, while 8.54 % have failed to do so. A significant 80.18% of the criteria were marked as not applicable. Figure 5 demonstrates the varied success rates in meeting perceivable success criteria. Figure 6 shows the breakdown of the success criteria for text alternatives.



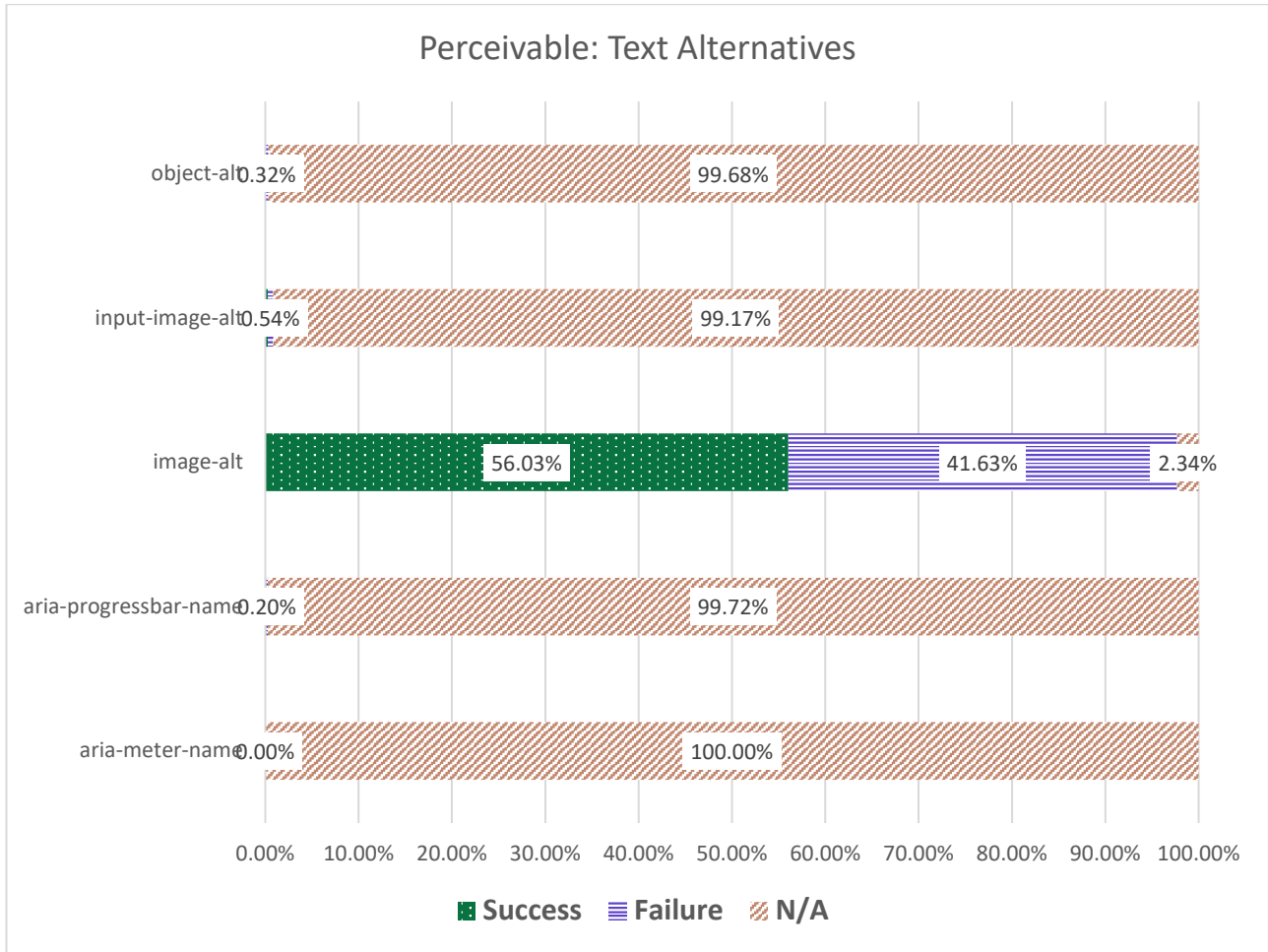


Figure 6: Text Alternatives success criteria compliance assessment analysis results overview.

2. Adaptable (Average: 20.82 % Success, 3.86 % Fail, 75.33 % N/A):

Being adaptable means that content can be presented in different ways without losing information or structure, such as through assistive technologies. Only 20.82 % of website homepages successfully met this criterion based on automated testing on average, with a small failure rate of 3.86 %, and 75.33% being not applicable. Figure 7 demonstrates the varied success rates in meeting adaptable success criteria.



Perceivable: Adaptable

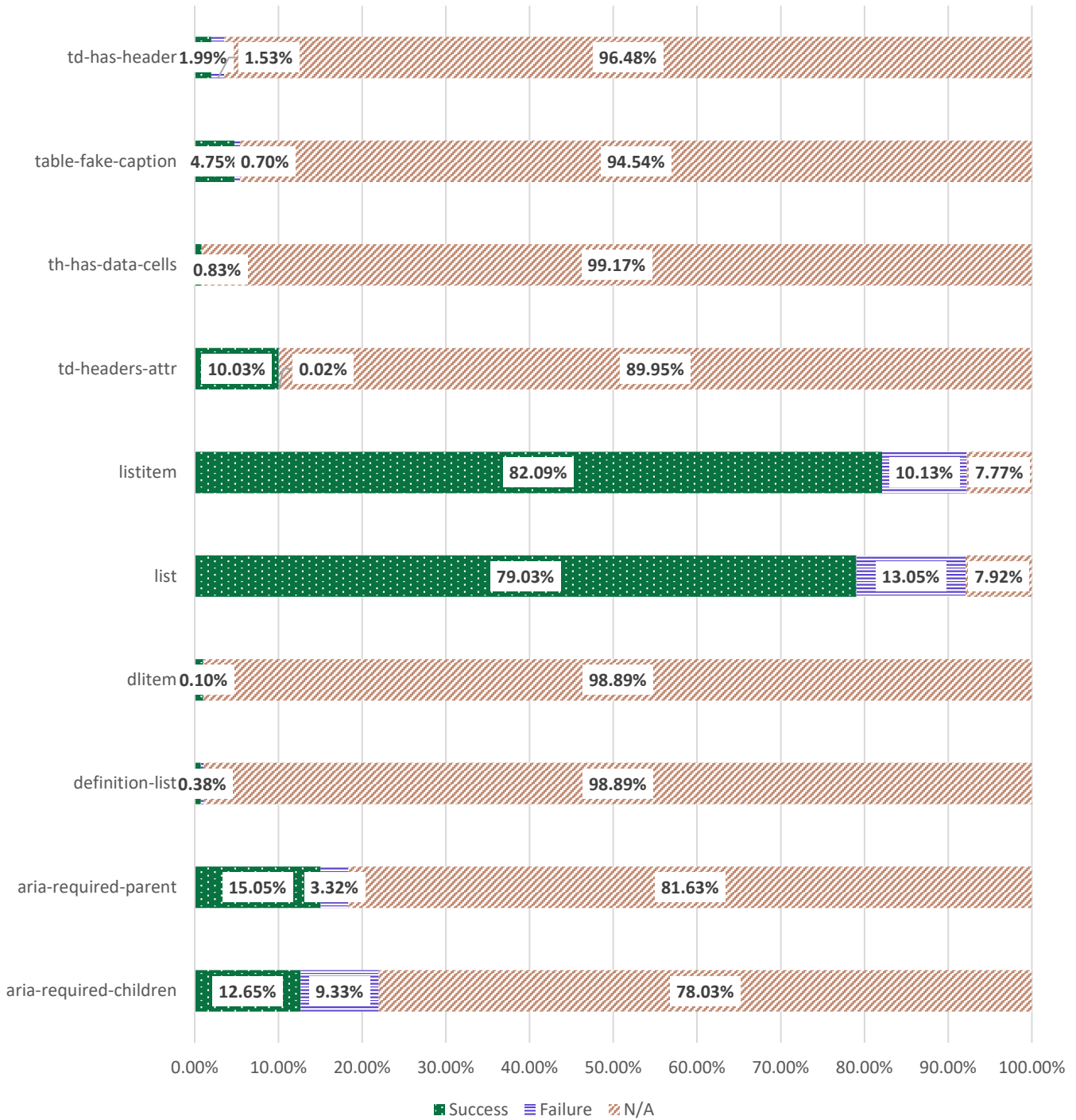


Figure 7: Adaptable success criteria compliance assessment analysis results overview.

3. Distinguishable (Average: 45.32 % Success, 33.70 % Fail, 20.99 % N/A):

This success criterion is crucial for making it easier for users to see and hear content, including separating foreground from background. On average about 45.32 % of the website homepages successfully met this criterion based on automated testing, with a failure rate of 33.70 %, and 20.99% being not applicable (N/A). Figure 8 demonstrates the varied success rates in meeting success criteria for distinguishable.

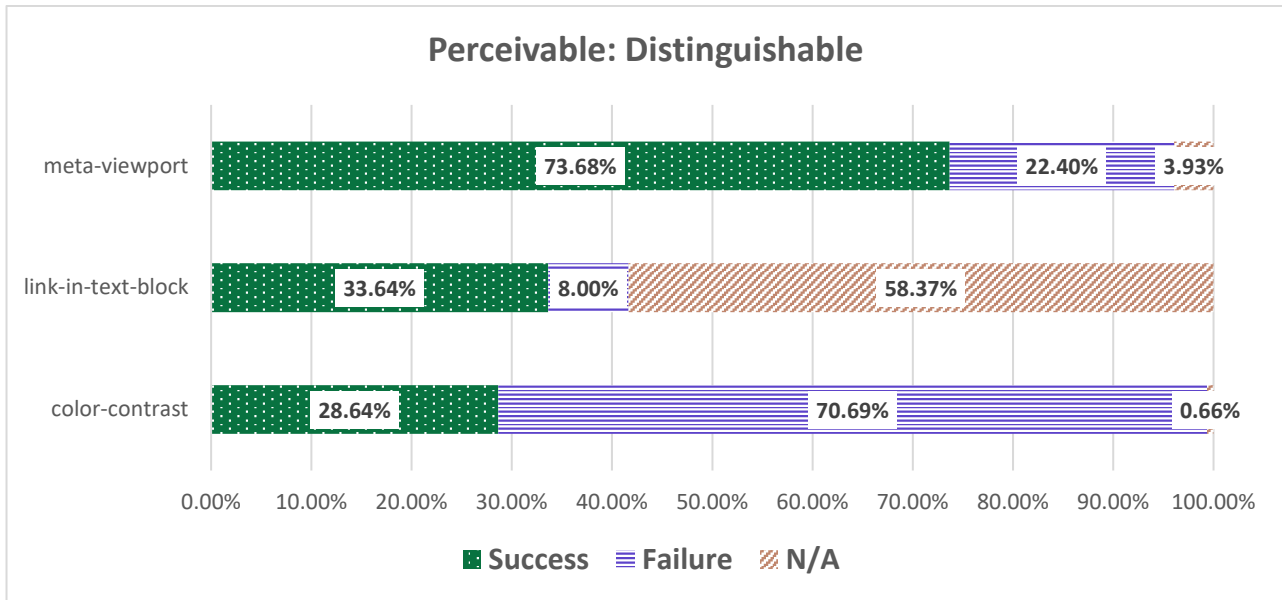


Figure 8: Distinguishable success criteria compliance assessment analysis results overview.

4.7. Operable Criterion Performance

Figure 9 below gives an overview of how well website homepages are meeting certain success criteria based on automated testing under the principle of " Operable" one of the four pillars of accessibility according to the Web Content Accessibility Guidelines (WCAG). The "Operable" principle emphasizes that users must be able to operate the interface (the interface cannot require interaction that a user cannot perform).



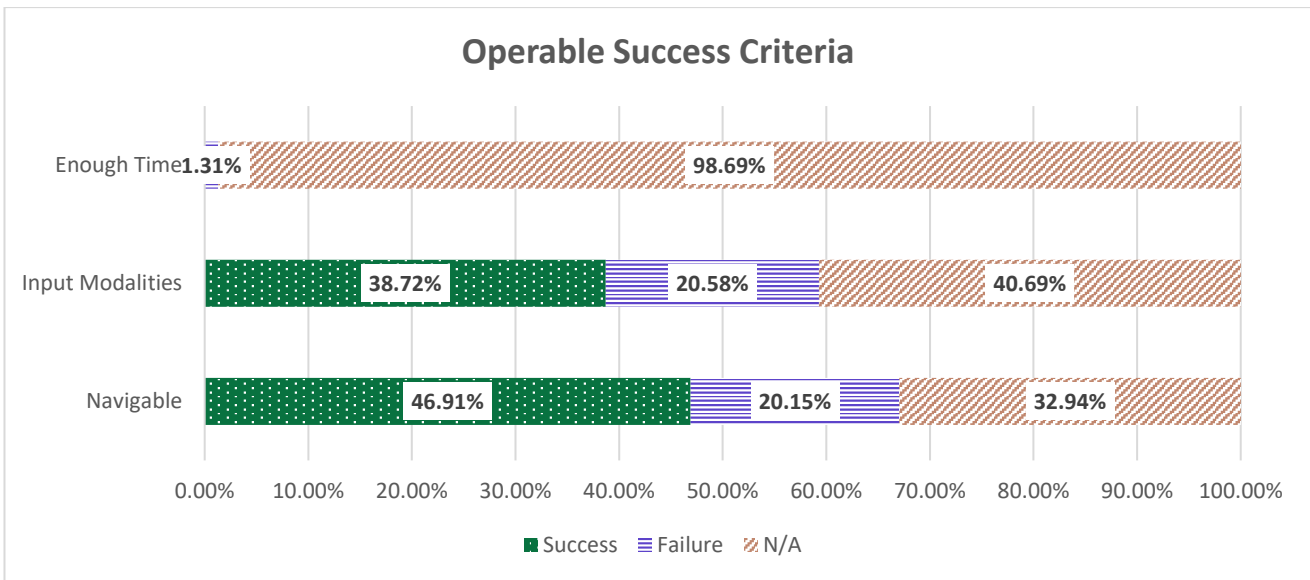


Figure 9: Operable success criteria analysis results overview.

1. Navigable (Average: 46.91 % Success, 20.15 % Fail, 32.94 % N/A):

"Navigable" assesses whether users can navigate and find content. Based on the automated testing employed, the 46.91 % success rate shows that less than half of the website homepages have adequately provided navigational mechanisms. A failure rate of 20.15 % indicates that nearly a quarter of the websites have issues that could hinder navigation for users, particularly those using screen readers or other assistive technologies. 32.94 % were rated as N/A. Figure 10 demonstrates the varied success rates in meeting operable success criteria for navigable.



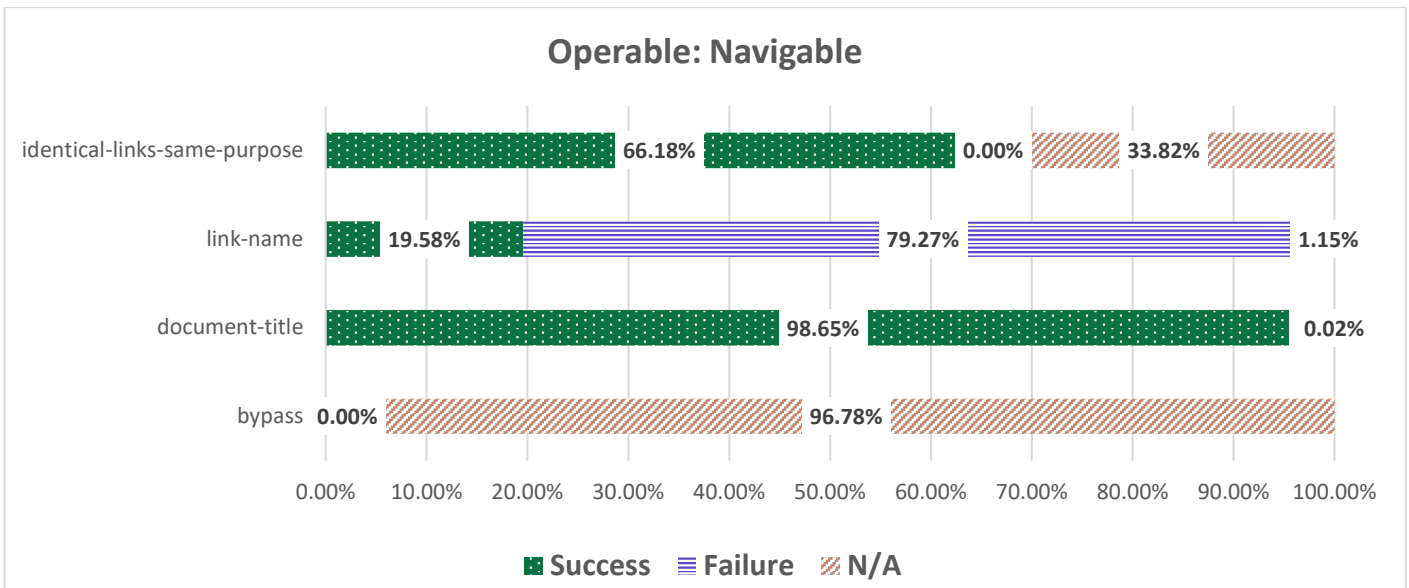


Figure 10: Navigable success criteria compliance assessment analysis results overview.

2. Enough Time (Average: 0% Success, 1.33 % Fail, 98.67 % N/A):

"Enough Time" evaluates whether users have enough time to read and use the content on the homepage. According to the automated testing results only 1.31 % of the website homepage failed to meet this criterion. The 98.69 % N/A rate suggests that the automated testing was unable to measure this criterion on most websites. Figure 11 demonstrates the success rate in meeting success criteria for enough time based on meta-refresh.

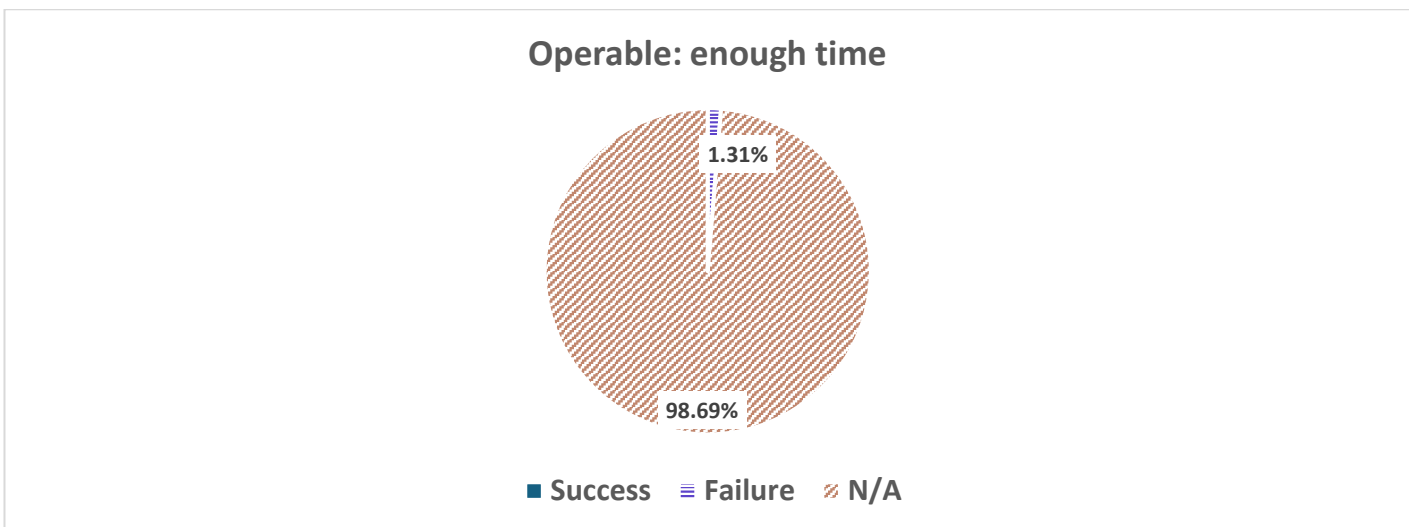


Figure 11: Enough Time Success Criteria Compliance Assessment Results Overview

3. Input Modalities (Average: 38.72 % Success, 20.58 % Fail, 40.69 % N/A):



"Input Modalities" refers to providing users with various options to input data beyond traditional keyboard interfaces. The success rate based on automated testing of the website homepages was found to be 38.72 %. This criterion was not applicable on 20.58 % of the website homepages. Figure 12 demonstrates the varied success rates in meeting operable success criteria for input modalities.

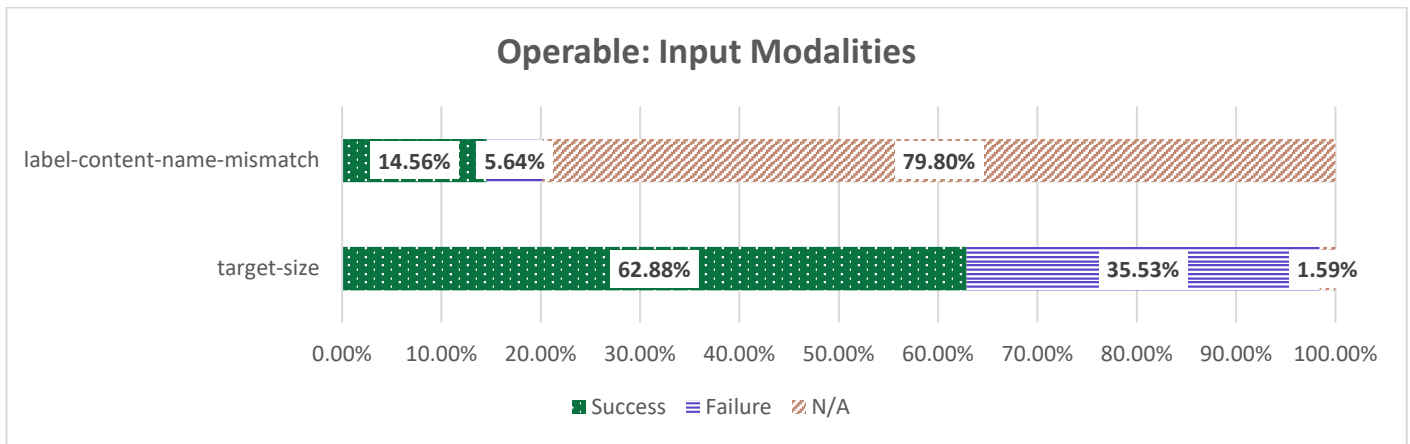


Figure 12 Input Modalities Success Criteria Compliance Assessment Results Overview

4.8. Understandable Criterion Performance

Figure 13 provided below offers a comprehensive snapshot of the performance of homepages of websites against specific success criteria pertaining to the "Understandable" criterion, a fundamental component of accessibility outlined in the Web Content Accessibility Guidelines (WCAG). The "Understandable" criterion emphasizes the importance of content being presented in a clear and coherent manner, ensuring that users can easily comprehend the information provided. This criterion is essential for facilitating access to web content for individuals with diverse cognitive abilities and language proficiencies. By adhering to the "Understandable" criterion, websites enhance their usability and inclusivity, thereby ensuring that information is readily understandable by all users, regardless of their background or abilities.



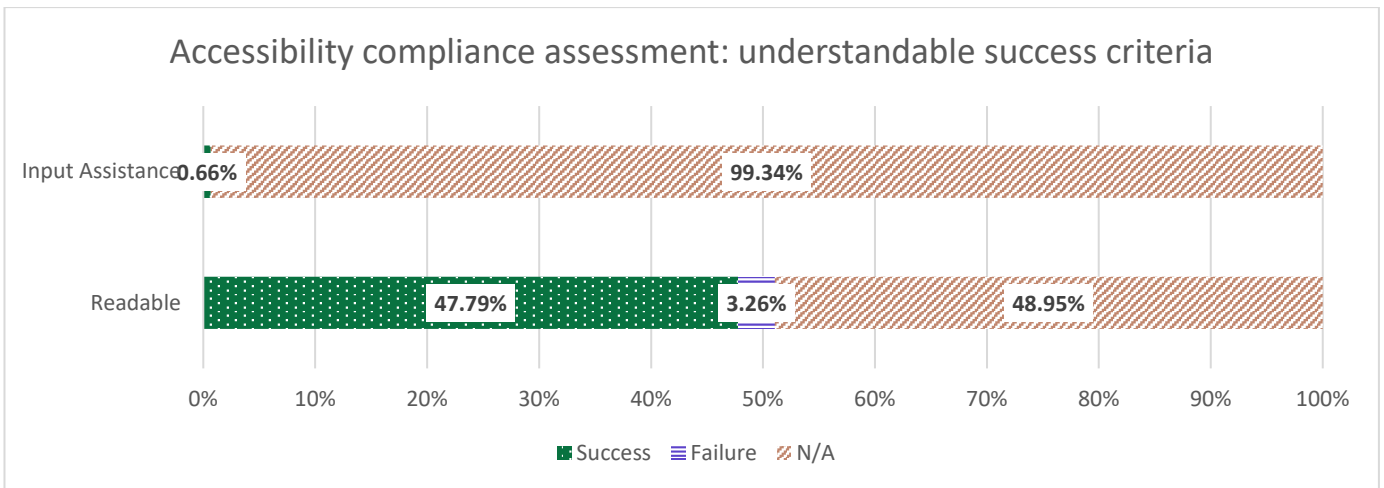
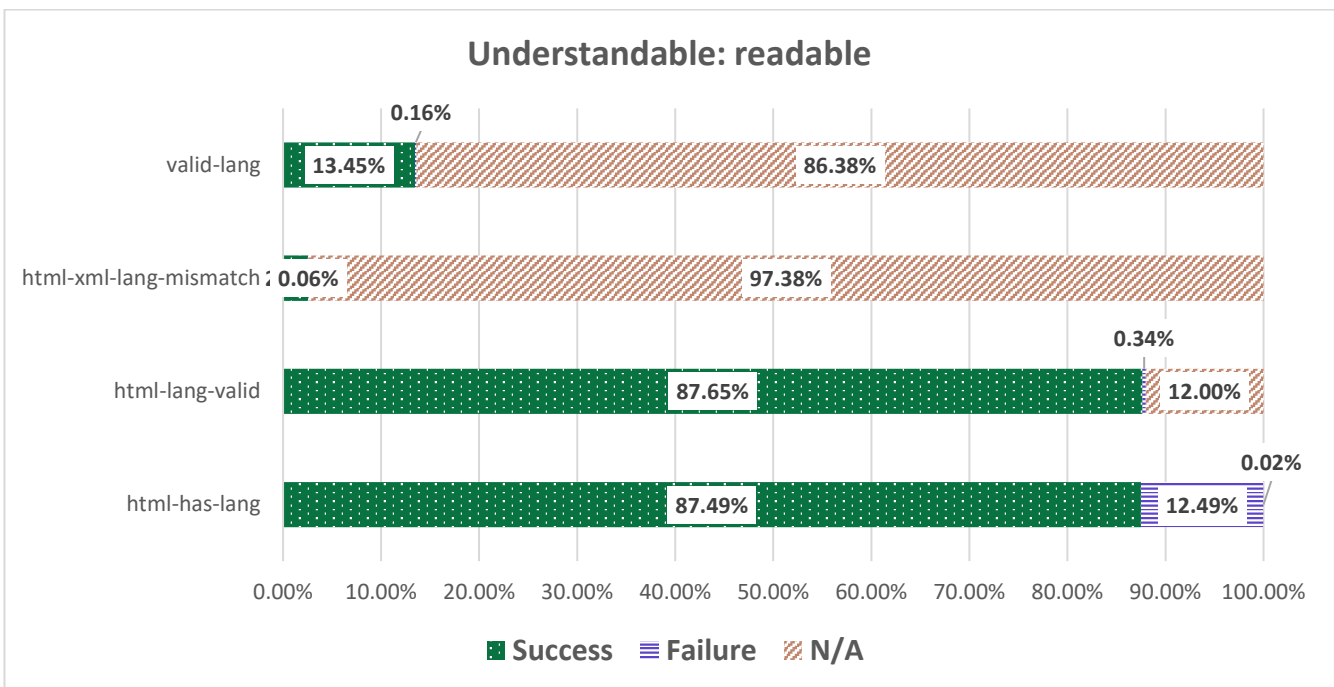


Figure 13 Understandable success criteria analysis results overview.

Understandable (Average: 38.36 % Success, 2.61 % Fail, 59.03 % N/A):

Only 38.36 % of website homepages have successfully met the understandable criteria according to automated testing, indicating that there is room for improvement. A 2.61 % failure rate suggests that a small fraction of website homepages exhibit unclear or confusing content, hindering user comprehension. Addressing these issues could significantly enhance the overall accessibility and usability of web content. Figure 14 and Figure 15 demonstrate the varied success rates in meeting understandable success criteria based on automated testing for readable, and input assistance, respectively.



Accessibility Compliance Assessment: Robust Success Criteria

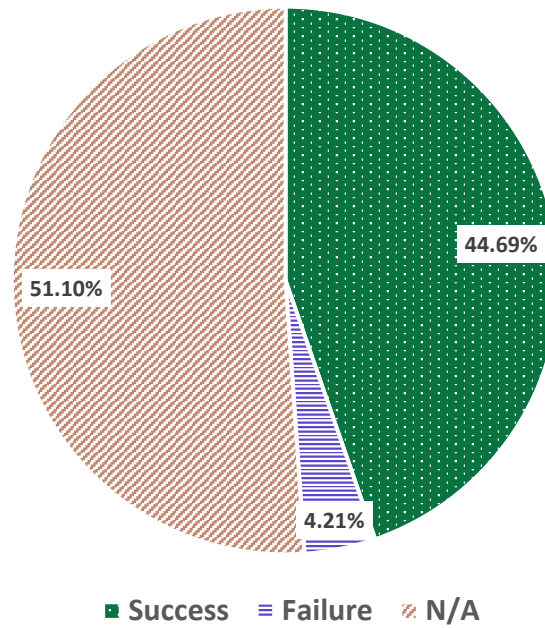


Figure 16: Robust success criteria analysis results overview.



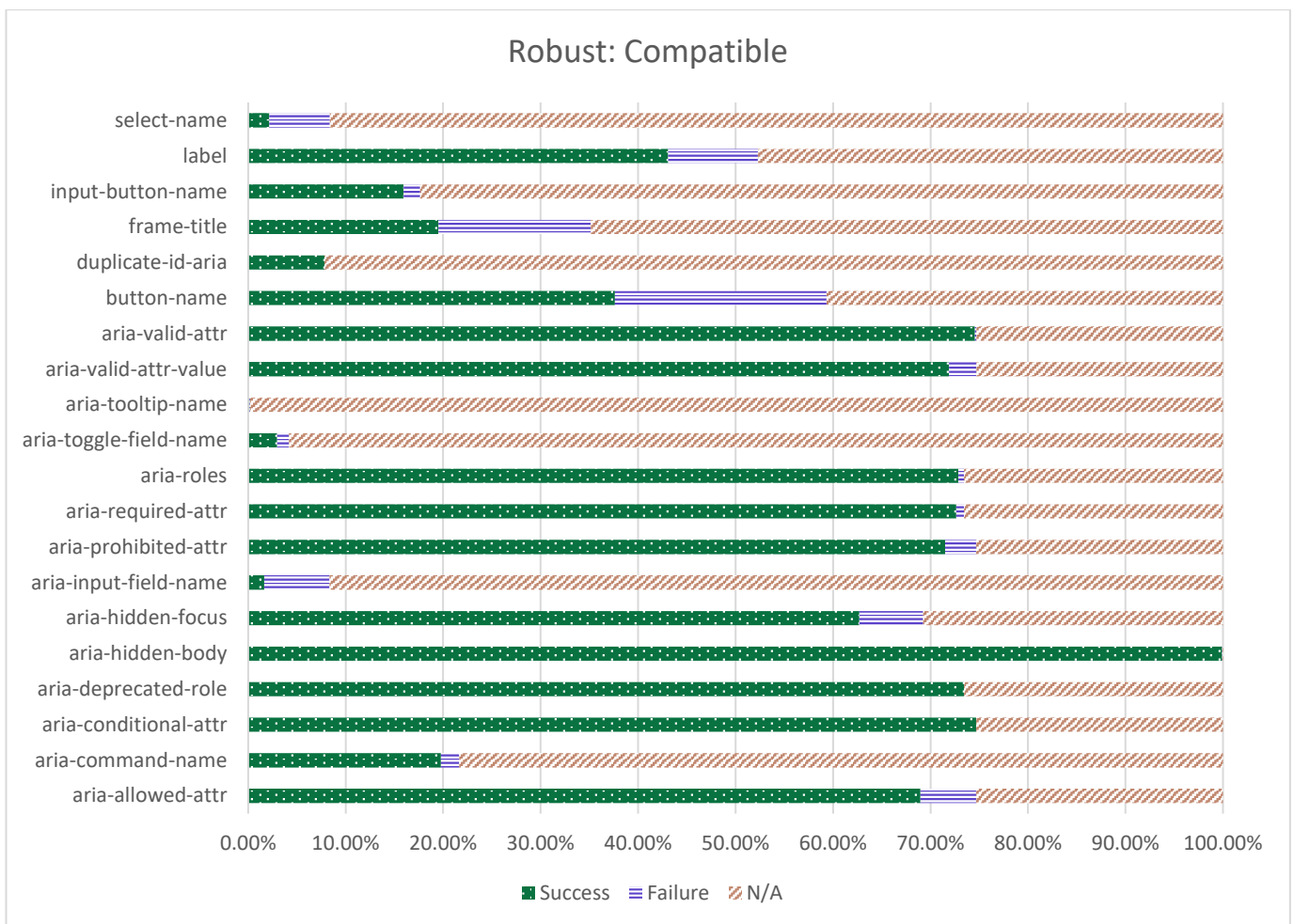


Figure 17: Compatible Success Criteria Compliance Assessment Results Overview

5. Conclusion

The analysis of the homepage of 4,965 websites in the Arab region reveals the current state of digital accessibility. While there are successes, overall compliance with WCAG standards varies widely. Automated testing helps identify some accessibility issues but can only find about 30-50% of barriers, often missing specific user experiences. Therefore, manual and usability testing, involving real users with disabilities and experts, is essential for a thorough evaluation.

High success rates in some criteria show progress in making content accessible and robust for users with disabilities. However, there are significant areas of non-compliance, especially with distinguishable elements critical for visually impaired users and navigable structures for assistive technologies. In summary, while there have been improvements in online accessibility, much work remains. This study urges web developers, content creators, and stakeholders in the Arab region to address the identified gaps, ensuring web content



Appendix A

Glossary of Web Accessibility Terms

This appendix serves as a glossary, offering explanations for terms associated with web accessibility. Each term corresponds to specific success criteria within WCAG, aimed at ensuring websites are navigable and comprehensible for all users, including those using assistive technologies.

1. **accesskeys**: Ensures that keyboard shortcuts (access keys) are properly assigned and do not conflict with assistive technologies.
2. **aria-allowed-attr**: Checks if ARIA (Accessible Rich Internet Applications) attributes used are allowed for that element.
3. **aria-allowed-role**: Verifies that elements have appropriate ARIA role attributes according to their semantics.
4. **aria-command-name**: Ensures that ARIA command roles (such as **button**, **link**, etc.) have appropriate names for assistive technologies.
5. **aria-dialog-name**: Checks that dialogs (pop-ups) are properly labeled with names via ARIA attributes.
6. **aria-hidden-body**: Ensures that the **aria-hidden** attribute is not incorrectly applied to the body element, which can hide the entire document from screen readers.
7. **aria-hidden-focus**: Ensures that elements with **aria-hidden** are not focusable, as this can lead to confusion for screen reader users.
8. **aria-input-field-name**: Checks that ARIA input fields have accessible names.
9. **aria-meter-name**: Ensures that ARIA meter elements have properly defined names.
10. **aria-progressbar-name**: Verifies that progress bars have accessible names through ARIA.
11. **aria-required-attr**: Checks if elements with ARIA roles have all required ARIA attributes.
12. **aria-required-children**: Ensures that elements with ARIA roles contain required child roles.
13. **aria-required-parent**: Verifies that elements with ARIA roles are contained within required parent roles.
14. **aria-roles**: Checks for the correct use of ARIA roles on elements.



Success criteria	Accessibility Pillar	Implementation Requirement
aria-treeitem-name	Best Practice	NA
aria-valid-attr-value	Robust	Compatible
aria-valid-attr	Robust	Compatible
button-name	Robust	Compatible
bypass	Operable	Navigable
color-contrast	Perceivable	Distinguishable
definition-list	Perceivable	Adaptable
dlitem	Perceivable	Adaptable
document-title	Operable	Navigable
duplicate-id-active	Robust	Compatible
duplicate-id-aria	Robust	Compatible
form-field-multiple-labels	Understandable	Input Assistance
frame-title	Robust	Compatible
heading-order	Best Practice	NA
html-has-lang	Understandable	Readable
html-lang-valid	Understandable	Readable
html-xml-lang-mismatch	Understandable	Readable
image-alt	Perceivable	Text Alternatives
image-redundant-alt	Best Practice	NA
input-button-name	Robust	Compatible
input-image-alt	Perceivable/Robust	Text Alternatives/Compatible



Success criteria	Accessibility Pillar	Implementation Requirement
label-content-name-mismatch	Operable	Input Modalities
table-fake-caption	Perceivable	Adaptable
td-has-header	Perceivable	Adaptable

