Performance Report for:

https://arrepath.com/

Report generated: Tue, Mar 12, 2024 1:30 AM -0700
Test Server Location: London, UK
Using: Chrome 117.0.0.0, Lighthouse 11.0.0

C	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	61%	88%	4.0s	0ms	0.01

Top Issues

High	**Reduce initial server response time** FCP LCP	Root document took 1.8s
Med	**Use explicit width and height on image elements** CLS	11 images found
Med	**Serve static assets with an efficient cache policy**	Potential savings of 859KB
Med-Low	**Avoid chaining critical requests** FCP LCP	18 chains found
Med-Low	**Avoid CSS @import** FCP LCP	1 resource found

Page Details

8.2s
Fully Loaded Time

Total Page Size - 1.33MB

Total Page Requests - 54

HTML JS CSS IMG Video Font Other

How does this affect me?

Today's web user expects a fast and seamless website experience. Delivering that fast experience can result in increased visits, conversions and overall happiness.

As if you didn't need more incentive, **Google has announced that they are using page speed in their ranking algorithm.**

About GTmetrix

CARBON 60
THE MANAGED CLOUD COMPANY

GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

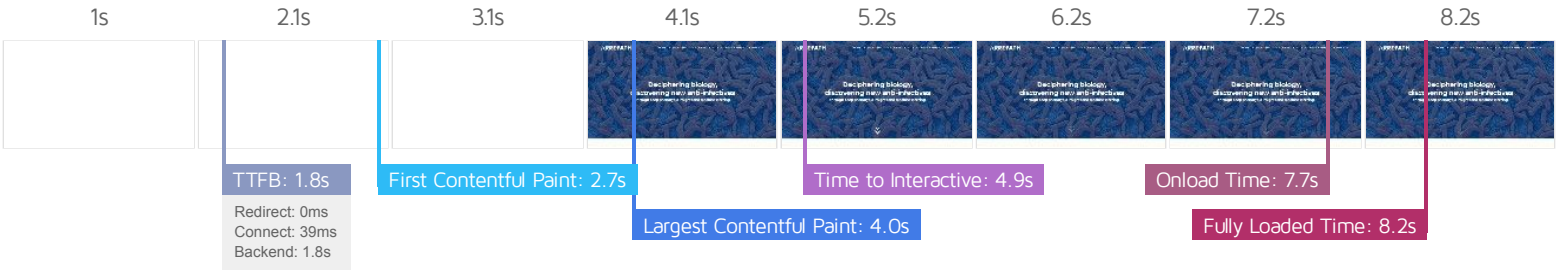
https://carbon60.com/

The waterfall chart displays the loading behaviour of your site in your selected browser. It can be used to discover simple issues such as 404's or more complex issues such as external resources blocking page rendering.

Homepage - Arrepath

/	200	arrepath.com	14.5KB	1.8s
style.min.css?ver=6.4.3	200	arrepath.com	14.7KB	663ms
styles.css?ver=5.8	200	arrepath.com	1.28KB	530ms
ctf-styles.min.css?ver=2.1.2	200	arrepath.com	3.46KB	537ms
cookieblocker.min.css?v…	200	arrepath.com	968B	534ms
slick.css?ver=6.4.3	200	cdn.jsdelivr.net	1.73KB	34ms
slick-theme.css?ver=6.4.3	200	cdnjs.cloudflare.com	696B	50ms
aos.css?ver=6.4.3	200	arrepath.com	1.88KB	531ms
style.css?ver=6.4.3	200	arrepath.com	21.6KB	667ms
index.js?ver=6.4.3	200	arrepath.com	7.36KB	1.8s
jquery.min.js?ver=3.7.1	200	arrepath.com	31.1KB	681ms
jquery-migrate.min.js?ver…	200	arrepath.com	5.21KB	530ms
arrepath-logo-version-1.svg	200	arrepath.com	1.43KB	1.3s
arrepath-logo-version-2.svg	200	arrepath.com	1.46KB	2.3s
menu-icon.svg	200	arrepath.com	899B	2.3s
menu-white-icon.svg	200	arrepath.com	893B	2.3s
home-arrows-icon.svg	200	arrepath.com	936B	1.3s
slider-1-img.svg	200	arrepath.com	7.16KB	2.4s
slider-2-img.svg	200	arrepath.com	26.6KB	2.5s
slider-3-img.svg	200	arrepath.com	1.89KB	2.6s
ArrePath_S4F-100x_1082…	200	arrepath.com	242KB	3.6s
LinkedInX-Color-Block-12…	200	arrepath.com	84.4KB	1s
date-icon.svg	200	arrepath.com	1.09KB	2.6s
AMR2024_Banner_810x4…	200	arrepath.com	292KB	5.9s
NewsPost_Base.jpg	200	arrepath.com	25.6KB	2.6s
arrepath-logo-footer.svg	200	arrepath.com	1.44KB	2.9s
twitter-icon.svg	200	arrepath.com	1.02KB	2.9s
linkedin-icon.svg	200	arrepath.com	939B	3s
index.js?ver=5.8	200	arrepath.com	3.61KB	1.2s
index.js?ver=5.8	200	arrepath.com	4.51KB	1.2s
slick.min.js?ver=1.1	200	cdn.jsdelivr.net	11.1KB	727ms
jquery.waypoints.min.js?…	200	cdnjs.cloudflare.com	2.36KB	736ms
custom.js?ver=1.1	200	arrepath.com	2.26KB	1.2s
aos.js?ver=1.1	200	arrepath.com	4.75KB	1.8s
complianz.min.js?ver=6.2.0	200	arrepath.com	11.5KB	3.1s
ctf-scripts.min.js?ver=2.1.2	200	arrepath.com	6.07KB	1.8s
print.css?ver=6.4.3	200	arrepath.com	1.38KB	3s
css2?family=Montserrat:…	200	fonts.googleapis.com	2.07KB	42ms
hero-section-bg.jpg	200	arrepath.com	191KB	1.4s
slider-background-2-img.…	200	arrepath.com	1.25KB	2.3s
slider-background-1-img.…	200	arrepath.com	1.23KB	2.3s
bold-future-img.jpg	200	arrepath.com	230KB	3.3s
recent-news-bg-1.png	200	arrepath.com	8.32KB	1.9s
recent-news-bg-2.png	200	arrepath.com	8.12KB	2.3s
address-icon.svg	200	arrepath.com	884B	2.3s
phone-icon.svg	200	arrepath.com	934B	2.3s
email-icon.svg	200	arrepath.com	985B	2.3s
JTUSjIg1_i6t8kCHKm459…	200	fonts.gstatic.com	32.3KB	67ms
memSYaGs126MiZpBA-U…	200	fonts.gstatic.com	18.2KB	66ms
banner-1-optin.css?v=12	200	arrepath.com	3.66KB	145ms
wp-emoji-release.min.js?…	200	arrepath.com	5.25KB	533ms
ajax-loader.gif	200	cdnjs.cloudflare.com	3.74KB	26ms
slick.woff	200	cdnjs.cloudflare.com	1.88KB	49ms

favicon-150x150.png	200	arrepath.com	6.62KB					521ms
54 Requests	**1.33MB (2.00MB Uncompressed)**		**8.2s (Onload 7.7s)**					



Performance Metrics

First Contentful Paint

Much longer than recommended

How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.

2.7s

Time to Interactive

Much longer than recommended

How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.

4.9s

Speed Index

Much longer than recommended

How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.

4.0s

Total Blocking Time

Good - Nothing to do here

How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.

0ms

Largest Contentful Paint

Much longer than recommended

How long it takes for the largest element of content (e.g. a hero image) to be painted on your page. A good user experience is 1.2s or less.

4.0s

Cumulative Layout Shift

Good - Nothing to do here

How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.

0.01

Browser Timings

Redirect	0ms	Connect	39ms	Backend	1.8s
TTFB	1.8s	First Paint	2.7s	DOM Int.	3.7s
DOM Loaded	4.9s	Onload	7.7s	Fully Loaded	8.2s

IMPACT	AUDIT	
Low	**Use passive listeners to improve scrolling performance**	1 event listener not passive

Consider marking your touch and wheel event listeners as `passive` to improve your page's scroll performance.

URL	LOCATION
https://arrepath.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	Line:1

IMPACT	AUDIT	
Low	**Avoid an excessive DOM size** TBT	380 elements

A large DOM will increase memory usage, cause longer style calculations, and produce costly layout reflows.

STATISTIC	ELEMENT	VALUE
Total DOM Elements		380
Maximum DOM Depth	div.progress-container > div.progress > svg.progress-timer-svg > circle.progress-timer-circle `<circle cx="16" cy="16" r="15.9155" class="progress-timer-circle js-progress-bar">`	13
Maximum Child Elements	body.home `<body data-cmplz="1" class="home page-template page-template-templates page-template-template-customiz…" data-aos-easing="ease" data-aos-duration="2000" data-aos-delay="0">`	20

IMPACT	AUDIT	
Low	**Avoid enormous network payloads** LCP	Total size was 1.33MB

Large network payloads cost users real money and are highly correlated with long load times.

URL	TRANSFER SIZE
https://arrepath.com/wp-content/uploads/2024/02/AMR2024_Banner_810x455_blank.png	292KB
https://arrepath.com/wp-content/uploads/2022/02/ArrePath_S4F-100x_1082x584.jpg	242KB
https://arrepath.com/wp-content/uploads/2022/02/bold-future-img.jpg	230KB
https://arrepath.com/wp-content/uploads/2022/02/hero-section-bg.jpg	191KB
https://arrepath.com/wp-content/uploads/2024/02/LinkedInX-Color-Block-1200x675.jpg	84.9KB
https://fonts.gstatic.com/s/montserrat/v26/JTUSjIg1_i6t8kCHKm459Wlhyw.woff2	32.4KB
https://arrepath.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	31.1KB
https://arrepath.com/wp-content/uploads/2022/02/slider-2-img.svg	26.6KB
https://arrepath.com/wp-content/uploads/2022/03/NewsPost_Base.jpg	25.6KB
https://arrepath.com/wp-content/themes/arrepath/style.css?ver=6.4.3	21.6KB

IMPACT	AUDIT	
Low	**Properly size images**	Potential savings of 370KB

Serve images that are appropriately-sized to save cellular data and improve load time.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://arrepath.com/wp-content/uploads/2024/02/AMR2024_Banner_810x455_blank.png	292KB	211KB
https://arrepath.com/wp-content/uploads/2024/02/LinkedInX-Color-Block-1200x675.jpg	84.4KB	73.8KB
https://arrepath.com/wp-content/uploads/2022/02/ArrePath_S4F-100x_1082x584.jpg	242KB	72.1KB
https://arrepath.com/wp-content/uploads/2022/03/NewsPost_Base.jpg	25.2KB	12.9KB

Low **Efficiently encode images** Potential savings of 357KB

Optimized images load faster and consume less cellular data.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://arrepath.com/wp-content/uploads/2022/02/bold-future-img.jpg	229KB	174KB
https://arrepath.com/wp-content/uploads/2022/02/ArrePath_S4F-100x_1082x584.jpg	242KB	155KB
https://arrepath.com/wp-content/uploads/2022/03/NewsPost_Base.jpg	25.2KB	15.4KB
https://arrepath.com/wp-content/uploads/2024/02/LinkedInX-Color-Block-1200x675.jpg	84.4KB	12.4KB

Low **Ensure text remains visible during webfont load** FCP LCP 1 font found

Leverage the `font-display` CSS feature to ensure text is user-visible while webfonts are loading.

URL	POTENTIAL SAVINGS
• https://cdnjs.cloudflare.com/ajax/libs/slick-carousel/1.8.1/fonts/slick.woff	16ms

Low **Reduce unused CSS** FCP LCP Potential savings of 32.2KB

Reduce unused rules from stylesheets and defer CSS not used for above-the-fold content to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
• https://arrepath.com/wp-content/themes/arrepath/style.css?ver=6.4.3	21.6KB	17.6KB
• https://arrepath.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	14.7KB	14.6KB

Low **Serve images in next-gen formats** Potential savings of 816KB

Image formats like WebP and AVIF often provide better compression than PNG or JPEG, which means faster downloads and less data consumption.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://arrepath.com/wp-content/uploads/2024/02/AMR2024_Banner_810x455_blank.png	292KB	253KB
https://arrepath.com/wp-content/uploads/2022/02/bold-future-img.jpg	229KB	210KB
https://arrepath.com/wp-content/uploads/2022/02/ArrePath_S4F-100x_1082x584.jpg	242KB	204KB
https://arrepath.com/wp-content/uploads/2022/02/hero-section-bg.jpg	190KB	75.5KB
https://arrepath.com/wp-content/uploads/2024/02/LinkedInX-Color-Block-1200x675.jpg	84.4KB	51.7KB
https://arrepath.com/wp-content/uploads/2022/03/NewsPost_Base.jpg	25.2KB	21.4KB

Low **Defer offscreen images** Potential savings of 401KB

Consider lazy-loading offscreen and hidden images after all critical resources have finished loading to lower time to interactive.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://arrepath.com/wp-content/uploads/2024/02/AMR2024_Banner_810x455_blank.png	292KB	292KB
https://arrepath.com/wp-content/uploads/2024/02/LinkedInX-Color-Block-1200x675.jpg	84.4KB	84.4KB
https://arrepath.com/wp-content/uploads/2022/03/NewsPost_Base.jpg	25.2KB	25.2KB

Low **Minify CSS** FCP LCP — Potential savings of 5.04KB

Minifying CSS files can reduce network payload sizes.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
• https://arrepath.com/wp-content/themes/arrepath/style.css?ver=6.4.3	21.6KB	5.04KB

Low **Avoid non-composited animations** CLS — 8 animated elements found

Animations which are not composited can be janky and increase CLS.

ELEMENT	NAME
Source: CDC `<a href="https://www.cdc.gov/drug" target="_blank" tabindex="0">` Unsupported CSS Property: visibility	visibility
Source: The Lancet `<a href="https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(21)02724-0…" target="_blank" tabindex="-1">` Unsupported CSS Property: visibility	visibility
Source: O'Neill Report `<a href="https://amr-review.org/" target="_blank" tabindex="-1">` Unsupported CSS Property: visibility	visibility
div.ctf-author-box > div.ctf-corner-logo > svg.svg-inline--fa > path `<path fill="currentColor" d="M459.37 151.716c.325 4.548.325 9.097.325 13.645 0 138.72-105.583 298.558-2…">` Unsupported CSS Property: font-size	font-size
08/03/23 `<a href="https://twitter.com/arrepath/status/1687076501525602310" class="ctf-tweet-date" target="_blank" rel="noopener noreferrer" style="color: rgb(255, 255, 255);">` Unsupported CSS Property: color	color
Twitter 1687076501525602310 `<a href="https://twitter.com/arrepath/status/1687076501525602310" class="ctf-twitterlink" target="_blank" rel="nofollow noopener noreferrer" style="color: rgb(255, 255, 255);">` Unsupported CSS Property: color	color
ArrePath `<a href="https://twitter.com/arrepath" target="_blank" rel="noopener noreferrer" class="ctf-author-name" style="color: rgb(255, 255, 255);">` Unsupported CSS Property: color	color
@arrepath `<a href="https://twitter.com/arrepath" class="ctf-author-screenname" target="_blank" rel="noopener noreferrer" style="color: rgb(255, 255, 255);">` Unsupported CSS Property: color	color

Low **Minify JavaScript** FCP LCP — Potential savings of 3.17KB

Minifying JavaScript files can reduce payload sizes and script parse time.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://arrepath.com/wp-content/themes/arrepath/assets/js/index.js?ver=6.4.3	7.36KB	3.17KB

N/A **Largest Contentful Paint element** LCP — 4,020 ms

This is the largest contentful element painted within the viewport.

ELEMENT

Deciphering biology, discovering new anti-infectives through deep phenotypic in…

```
<div class="hero-section-pharallax" style="background-image: url(&quot;https://arrepath.com/wp-content/uploads/2022/02/hero…&quot;);">
```

PHASE	% OF LCP	TIMING
TTFB	46%	1.8s
Load Delay	19%	783ms
Load Time	33%	1.3s
Render Delay	2%	84ms

N/A **Eliminate render-blocking resources** FCP LCP — Potential savings of 22ms

Resources are blocking the first paint of your page. Consider delivering critical JS/CSS inline and deferring all non-critical JS/styles.

Resources that **may** be contributing to render-blocking include:

URL	TRANSFER SIZE	DOWNLOAD TIME
https://cdn.jsdelivr.net/npm/slick-carousel@1.8.1/slick/slick.css?ver=6.4.3	2.19KB	754ms
https://cdnjs.cloudflare.com/ajax/libs/slick-carousel/1.8.1/slick-theme.css?ver=6.4.3	1.32KB	761ms
https://arrepath.com/wp-content/themes/arrepath/style.css?ver=6.4.3	21.6KB	450ms
https://arrepath.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	31.1KB	600ms
https://arrepath.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1	5.21KB	150ms

N/A **Reduce JavaScript execution time** TBT — 53ms spent executing JavaScript

Consider reducing the time spent parsing, compiling, and executing JS. You may find delivering smaller JS payloads helps with this.

URL	TOTAL CPU TIME	SCRIPT EVALUATION	SCRIPT PARSE
https://arrepath.com/	191ms	15ms	1ms
Unattributable	137ms	0ms	0ms
https://arrepath.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	53ms	34ms	1ms

N/A **Avoid serving legacy JavaScript to modern browsers** TBT — Potential savings of 57B

Polyfills and transforms enable legacy browsers to use new JavaScript features. However, many aren't necessary for modern browsers. For your bundled JavaScript, adopt a modern script deployment strategy using module/nomodule feature detection to reduce the amount of code shipped to modern browsers, while retaining support for legacy browsers.

URL	POTENTIAL SAVINGS
https://arrepath.com/wp-content/themes/arrepath/assets/js/aos.js?ver=1.1 Line:0 Column:7470 `@babel/plugin-transform-classes`	57B

N/A **Avoid large layout shifts** CLS — 2 elements found

These DOM elements contribute most to the CLS of the page.

ELEMENT	CLS CONTRIBUTION
Deciphering biology, discovering new anti-infectives through deep phenotypic in… `<div class="container">`	0.00
ABOUT CLINICAL NEED PLATFORM STRATEGY NEWS & MEDIA CONTACT US `<div class="header-navigation-wrapper">`	0.00

N/A **Minimize main-thread work** TBT — Main-thread busy for 423ms

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this.

CATEGORY	TIME SPENT
Other	198ms
Style & Layout	103ms
Script Evaluation	72ms
Rendering	24ms
Parse HTML & CSS	19ms
Script Parsing & Compilation	6ms

N/A **Reduce the impact of third-party code** TBT — Total size was 76.3KB

Third-party code can significantly impact load performance. Limit the number of redundant third-party providers and try to load third-party code after your page has primarily finished loading.

THIRD-PARTY	TRANSFER SIZE	MAIN-THREAD BLOCKING TIME
GOOGLE FONTS	53.2KB	0ms
• https://fonts.gstatic.com/s/montserrat/v26/JTUSjIg1_i6t8kCHKm459Wlhyw.woff2	32.4KB	0ms
• https://fonts.gstatic.com/s/opensans/v40/memSYaGs126MiZpBA-UvWbX2vVnXBbObj2OVZyOOSr4dVJWUgsgH1x4gaVI.woff2	18.7KB	0ms
JSDELIVR CDN	13.4KB	0ms
• https://cdn.jsdelivr.net/npm/slick-carousel@1.8.1/slick/slick.min.js?ver=1.1	11.2KB	0ms
CLOUDFLARE CDN	9.69KB	0ms

N/A **User Timing marks and measures**

No user timings and/or marks found.