



Performance Report for: <https://utilitytherapeutics.com/>

Report generated: Tue, Mar 12, 2024 10:16 PM -0700
 Test Server Location: London, UK
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0

B	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	87%	82%	1.9s	4ms	0

Top Issues

Med	Use explicit width and height on image elements <small>CLS</small>	1 image found
Med-Low	Eliminate render-blocking resources <small>FCP LCP</small>	Potential savings of 294ms
Med-Low	Avoid document.write()	1 instance found
Med-Low	Minify JavaScript <small>FCP LCP</small>	Potential savings of 100KB
Low	Reduce unused JavaScript <small>LCP</small>	Potential savings of 280KB

Page Details



Total Page Size - 1.48MB



Total Page Requests - 25



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



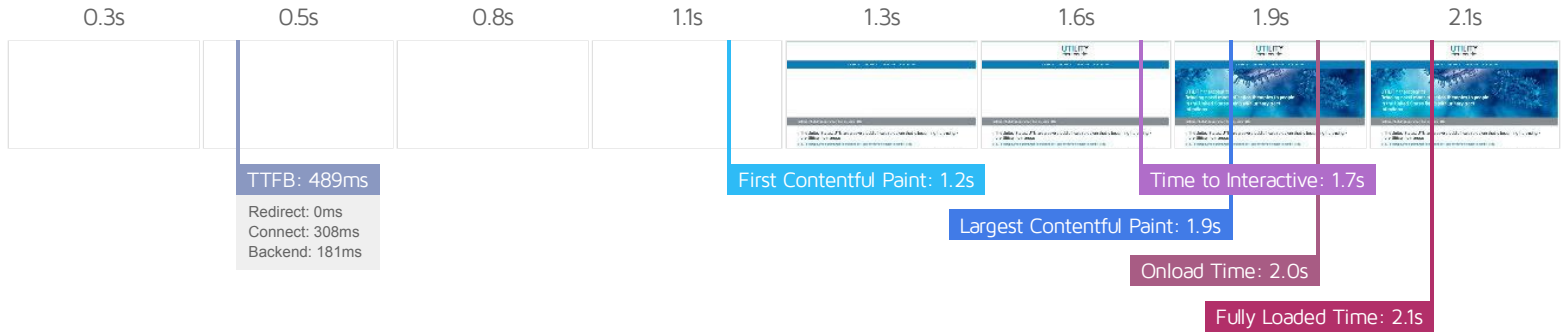
GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

<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.

UTILITY Therapeutics - Developing Antibiotics to Treat Drug Resistant Infections





Performance Metrics

<p>First Contentful Paint</p> <p>How quickly content like text or images are painted onto your page. A good user experience is 0.9s or less.</p>	<p>OK, but consider improvement</p> <p>1.2s</p>	<p>Time to Interactive</p> <p>How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.</p>	<p>Good - Nothing to do here</p> <p>1.7s</p>
<p>Speed Index</p> <p>How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.</p>	<p>OK, but consider improvement</p> <p>1.6s</p>	<p>Total Blocking Time</p> <p>How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.</p>	<p>Good - Nothing to do here</p> <p>4ms</p>
<p>Largest Contentful Paint</p> <p>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.</p>	<p>Longer than recommended</p> <p>1.9s</p>	<p>Cumulative Layout Shift</p> <p>How much your page's layout shifts as it loads. A good user experience is a score of 0.1 or less.</p>	<p>Good - Nothing to do here</p> <p>0</p>

Browser Timings

Redirect	0ms	Connect	308ms	Backend	181ms
TTFB	489ms	First Paint	1.2s	DOM Int.	1.7s
DOM Loaded	1.7s	Onload	2.0s	Fully Loaded	2.1s

IMPACT AUDIT

Low

Reduce unused CSS FCP LCP

Potential savings of 97.0KB

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://utilitytherapeutics.com/wp-content/themes/unicode/library/css/style.css?ver=839149874	61.6KB	57.7KB
https://utilitytherapeutics.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3	14.6KB	14.6KB
https://utilitytherapeutics.com/wp-content/themes/unicode/library/css/style-custom.css?ver=839149874	16.3KB	12.8KB
https://utilitytherapeutics.com/wp-content/themes/unicode/library/css/unicode-icons.css?ver=839149874	12.0KB	11.9KB

Low

Serve images in next-gen formats

Potential savings of 552KB

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://utilitytherapeutics.com/wp-content/uploads/2021/03/home-hero-1.png	744KB	552KB

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://utilitytherapeutics.com/wp-content/themes/unicode/library/fonts/unicode-icons.woff2	178ms

Low

Avoid long main-thread tasks TBT

2 long tasks found

Lists the longest tasks on the main thread, useful for identifying worst contributors to input delay.

URL	START TIME	DURATION
https://utilitytherapeutics.com/wp-content/themes/unicode/library/js/app.js?ver=839149874	1.7s	53ms
https://utilitytherapeutics.com/wp-includes/js/mediaelement/mediaelement-migrate.min.js?ver=6.4.3	1.6s	50ms

Low

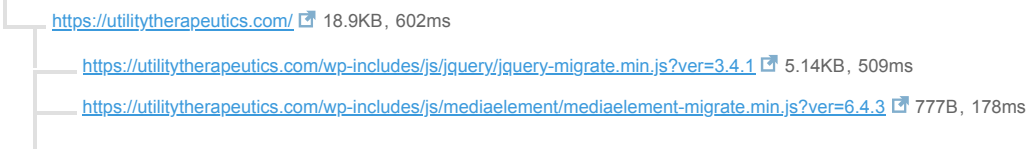
Avoid chaining critical requests FCP LCP

15 chains found

The Critical Request Chains below show you what resources are loaded with a high priority. Consider reducing the length of chains, reducing the download size of resources, or deferring the download of unnecessary resources to improve page load.

Maximum critical path latency: 1.8s

INITIAL NAVIGATION



- <https://utilitytherapeutics.com/wp-content/themes/unicode/library/css/style.css?ver=839149874> 61.6KB, 475ms
- <https://utilitytherapeutics.com/wp-content/themes/unicode/library/js/app.js?ver=839149874> 36.4KB, 325ms
- <https://utilitytherapeutics.com/wp-includes/js/underscore.min.js?ver=1.13.4> 7.69KB, 177ms
- <https://utilitytherapeutics.com/wp-content/themes/unicode/library/js/plugins.js?ver=839149874> 195KB, 310ms
- <https://utilitytherapeutics.com/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.17> 38.0KB, 177ms
- <https://utilitytherapeutics.com/wp-content/plugins/unicode-daves-wordpress-live-search/js/daves-wordpress-live-search.js?ver=6.4.3> 3.92KB, 173ms
- <https://utilitytherapeutics.com/wp-content/themes/unicode/library/css/style-custom.css?ver=839149874> 16.3KB, 495ms
- <https://utilitytherapeutics.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1> 30.9KB, 339ms
- <https://utilitytherapeutics.com/wp-content/themes/unicode/library/js/ai-unicode.js?id=unicodeAI%20data-async=true%20data-home=%20data-path=%20data-breakpoints-images=2880> 310B, 343ms
- <https://utilitytherapeutics.com/wp-content/themes/unicode/library/js/init.js?ver=839149874> 35.4KB, 549ms
- <https://utilitytherapeutics.com/wp-includes/js/mediaelement/wp-mediaelement.min.js?ver=6.4.3> 758B, 178ms
- <https://utilitytherapeutics.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3> 14.6KB, 237ms
- <https://utilitytherapeutics.com/wp-content/themes/unicode/library/css/unicode-icons.css?ver=839149874> 12.0KB, 188ms
- <https://utilitytherapeutics.com/wp-content/themes/unicode/library/fonts/unicode-icons.woff2> 137KB, 178ms

Low **Avoid an excessive DOM size** TBT 349 elements

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

STATISTIC	ELEMENT	VALUE
Total DOM Elements		349
Maximum DOM Depth	Bringing novel mode of action therapies to people in the United States living w... 	32
Maximum Child Elements	body.home <body class="home page-template-default page page-id-70 hormenu-position-left hmenu-cen..." data-border="0">	16

Low **Avoid enormous network payloads** LCP Total size was 1.48MB

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

URL	TRANSFER SIZE
https://utilitytherapeutics.com/wp-content/uploads/2021/03/home-hero-1.png	745KB
https://utilitytherapeutics.com/wp-content/themes/unicode/library/js/plugins.js?ver=839149874	195KB
https://utilitytherapeutics.com/wp-content/themes/unicode/library/fonts/unicode-icons.woff2	137KB
https://www.googletagmanager.com/gtag/js?id=G-7VGR31S69&l=dataLayer&cx=c	76.1KB
https://www.googletagmanager.com/gtm.js?id=GTM-PCRKNPZ	64.1KB
https://utilitytherapeutics.com/wp-content/themes/unicode/library/css/style.css?ver=839149874	61.6KB
https://utilitytherapeutics.com/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.17	38.0KB
https://utilitytherapeutics.com/wp-content/themes/unicode/library/js/app.js?ver=839149874	36.4KB
https://utilitytherapeutics.com/wp-content/themes/unicode/library/js/init.js?ver=839149874	35.4KB
https://utilitytherapeutics.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1	30.9KB

Low **Reduce JavaScript execution time** TBT 252ms 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
• Unattributable	242ms	12ms	0ms
• https://utilitytherapeutics.com/	186ms	29ms	5ms
• https://utilitytherapeutics.com/wp-content/themes/unicode/library/js/init.js?ver=839149874	185ms	16ms	2ms
• https://utilitytherapeutics.com/wp-content/themes/unicode/library/js/app.js?ver=839149874	115ms	73ms	2ms
• https://www.googletagmanager.com/gtm.js?id=GTM-PCRKNPZ	60ms	55ms	2ms
• https://utilitytherapeutics.com/wp-content/themes/unicode/library/js/plugins.js?ver=839149874	55ms	29ms	20ms

Low **Reduce initial server response time** FCP LCP Root document took 180ms

Keep the server response time for the main document short because all other requests depend on it.

URL	TIME SPENT
• https://utilitytherapeutics.com/	180ms

Low **Minify CSS** FCP LCP Potential savings of 10.4KB

Minifying CSS files can reduce network payload sizes.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
• https://utilitytherapeutics.com/wp-content/themes/unicode/library/css/style.css?ver=839149874	61.6KB	10.4KB

N/A **Largest Contentful Paint element** LCP 1,870 ms

This is the largest contentful element painted within the viewport.

ELEMENT

```
div.vc_row > div.row-background > div.background-wrapper > div.background-inner
<div class="background-inner async-blurred" style="background-repeat: no-repeat; background-position: center center;" data-uniqueid="924-621117" data-guid="https://utilitytherapeutics.com/wp-content/uploads/2021/03/home-hero-1.png" data-path="2021/03/home-hero-1.png" data-width="2880" data-height="800" data-singlew="12" data-singleh="null" data-crop="">
```

PHASE	% OF LCP	TIMING
TTFB	26%	489ms
Load Delay	35%	659ms
Load Time	33%	616ms
Render Delay	5%	99ms

N/A **Avoid serving legacy JavaScript to modern browsers** TBT Potential savings of 7.42KB

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://utilitytherapeutics.com/wp-content/themes/uncode/library/js/plugins.js?ver=839149874 Line:12116 Column:2	7.37KB
https://utilitytherapeutics.com/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.17 Line:11 Column:12531	54B

```
Array.prototype.filter
@babel/plugin-transform-class
es
```

N/A **Minimize main-thread work** TBT Main-thread busy for 991ms

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

CATEGORY	TIME SPENT
Other	352ms
Script Evaluation	311ms
Style & Layout	221ms
Parse HTML & CSS	46ms
Script Parsing & Compilation	45ms
Rendering	13ms

N/A **Reduce the impact of third-party code** TBT Total size was 140KB

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 TAG MANAGER	140KB	0ms
• https://www.googletagmanager.com/gtag/js?id=G-7VGR31S69&l=dataLayer&cx=c	76.1KB	0ms
• https://www.googletagmanager.com/gtm.js?id=GTM-PCRKNPZ	64.1KB	0ms

N/A **Avoid large layout shifts** CLS

Nothing to do here, good job!

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

No user timings and/or marks found.