Performance Report for:

http://utilitytherapeutics.com/

Report generated: Tue, Mar 12, 2024 5:52 AM -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
	81%	**82%**		**2.2s**	**0ms**	**0**

Top Issues

Med	Use explicit width and height on image elements `CLS`	1 image found
Med-Low	Eliminate render-blocking resources `FCP` `LCP`	Potential savings of 301ms
Med-Low	Avoid document.write()	1 instance found
Med-Low	Minify JavaScript `FCP` `LCP`	Potential savings of 100KB
Low	Reduce unused JavaScript `LCP`	Potential savings of 280KB

Page Details

2.3s
Fully Loaded Time

Total Page Size - 1.48MB

IMG 756KB	JS 498KB	Font 136KB	CSS 104KB

Total Page Requests - 26

JS 53.8%	CSS 15.4%	IMG 11.5%	HTML 7.7%	Other 7.7%	Font 3.8%

- 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.**
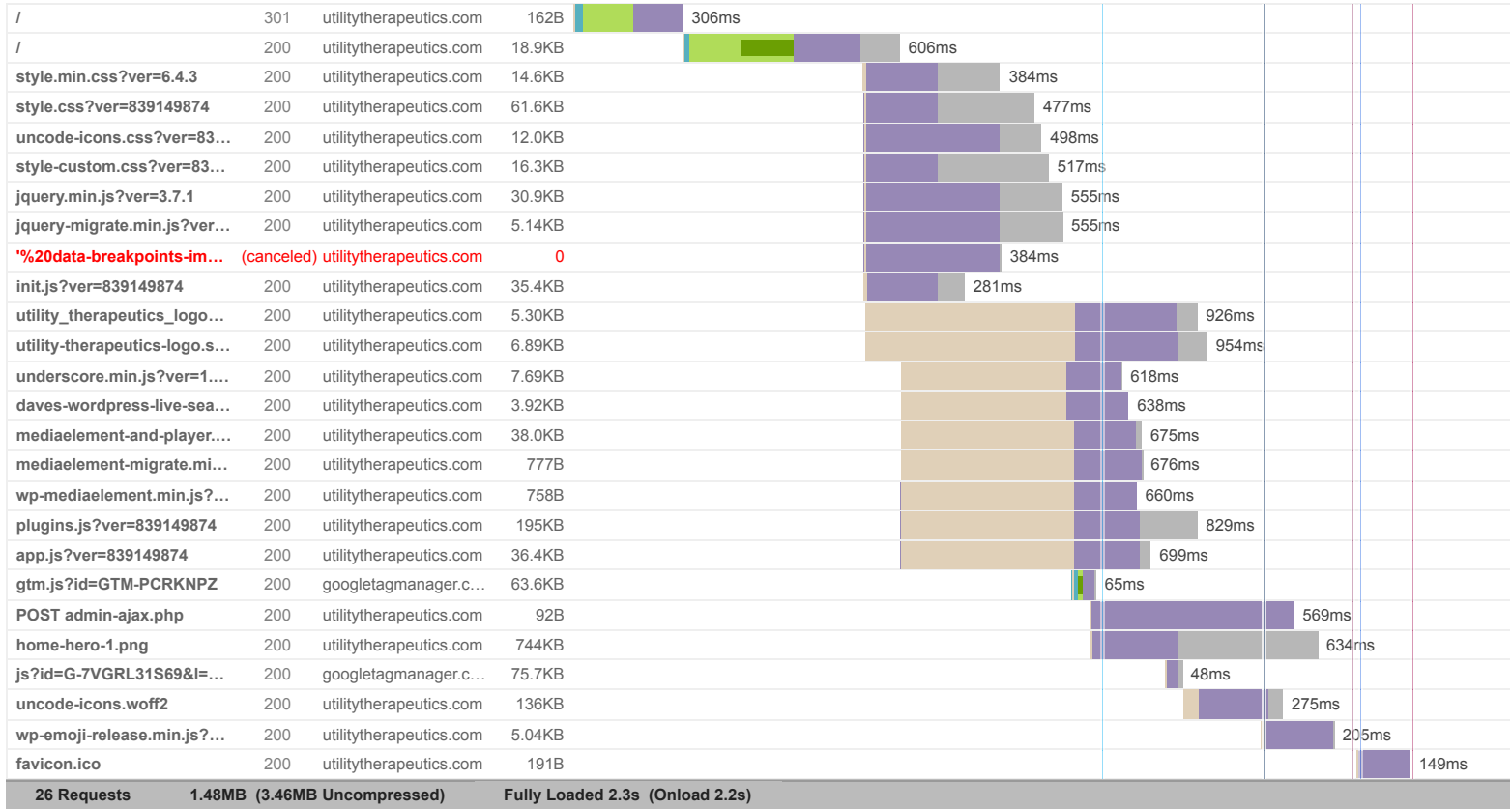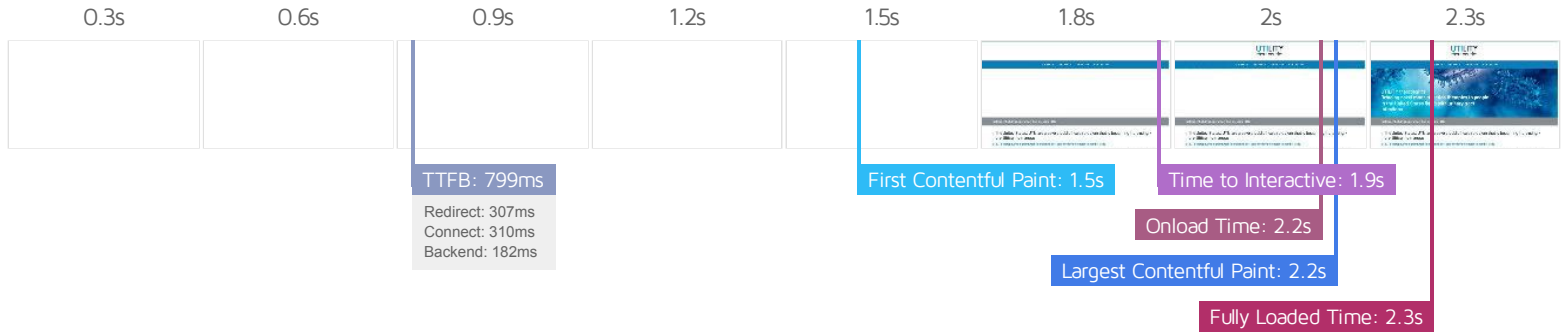
About GTmetrix

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.

UTILITY Therapeutics - Developing Antibiotics to Treat Drug Resistant Infections

Resource	Status	Domain	Size	Time
/	301	utilitytherapeutics.com	162B	306ms
/	200	utilitytherapeutics.com	18.9KB	606ms
style.min.css?ver=6.4.3	200	utilitytherapeutics.com	14.6KB	384ms
style.css?ver=839149874	200	utilitytherapeutics.com	61.6KB	477ms
uncode-icons.css?ver=83...	200	utilitytherapeutics.com	12.0KB	498ms
style-custom.css?ver=83...	200	utilitytherapeutics.com	16.3KB	517ms
jquery.min.js?ver=3.7.1	200	utilitytherapeutics.com	30.9KB	555ms
jquery-migrate.min.js?ver...	200	utilitytherapeutics.com	5.14KB	555ms
'%20data-breakpoints-im...	(canceled)	utilitytherapeutics.com	0	384ms
init.js?ver=839149874	200	utilitytherapeutics.com	35.4KB	281ms
utility_therapeutics_logo...	200	utilitytherapeutics.com	5.30KB	926ms
utility-therapeutics-logo.s...	200	utilitytherapeutics.com	6.89KB	954ms
underscore.min.js?ver=1....	200	utilitytherapeutics.com	7.69KB	618ms
daves-wordpress-live-sea...	200	utilitytherapeutics.com	3.92KB	638ms
mediaelement-and-player....	200	utilitytherapeutics.com	38.0KB	675ms
mediaelement-migrate.mi...	200	utilitytherapeutics.com	777B	676ms
wp-mediaelement.min.js?...	200	utilitytherapeutics.com	758B	660ms
plugins.js?ver=839149874	200	utilitytherapeutics.com	195KB	829ms
app.js?ver=839149874	200	utilitytherapeutics.com	36.4KB	699ms
gtm.js?id=GTM-PCRKNPZ	200	googletagmanager.c...	63.6KB	65ms
POST admin-ajax.php	200	utilitytherapeutics.com	92B	569ms
home-hero-1.png	200	utilitytherapeutics.com	744KB	634ms
js?id=G-7VGRL31S69&l=...	200	googletagmanager.c...	75.7KB	48ms
uncode-icons.woff2	200	utilitytherapeutics.com	136KB	275ms
wp-emoji-release.min.js?...	200	utilitytherapeutics.com	5.04KB	205ms
favicon.ico	200	utilitytherapeutics.com	191B	149ms

| **26 Requests** | **1.48MB (3.46MB Uncompressed)** | **Fully Loaded 2.3s (Onload 2.2s)** |

0.3s	0.6s	0.9s	1.2s	1.5s	1.8s	2s	2.3s

TTFB: 799ms
Redirect: 307ms
Connect: 310ms
Backend: 182ms

First Contentful Paint: 1.5s

Time to Interactive: 1.9s

Onload Time: 2.2s

Largest Contentful Paint: 2.2s

Fully Loaded Time: 2.3s

Performance Metrics

First Contentful Paint

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

Longer than recommended

1.5s

Time to Interactive

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

Good – Nothing to do here

1.9s

Speed Index

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

Longer than recommended

2.0s

Total Blocking Time

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

Good – Nothing to do here

0ms

Largest Contentful Paint

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.

Longer than recommended

2.2s

Cumulative Layout Shift

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

Good – Nothing to do here

0

Browser Timings

Redirect	307ms	Connect	310ms	Backend	182ms
TTFB	799ms	First Paint	1.5s	DOM Int.	1.9s
DOM Loaded	1.9s	Onload	2.2s	Fully Loaded	2.3s

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/uncode/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/uncode/library/css/style-custom.css?ver=839149874	16.3KB	12.8KB
• https://utilitytherapeutics.com/wp-content/themes/uncode/library/css/uncode-icons.css?ver=839149874	12.0KB	11.9KB

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/uncode/library/fonts/uncode-icons.woff2	234ms

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.
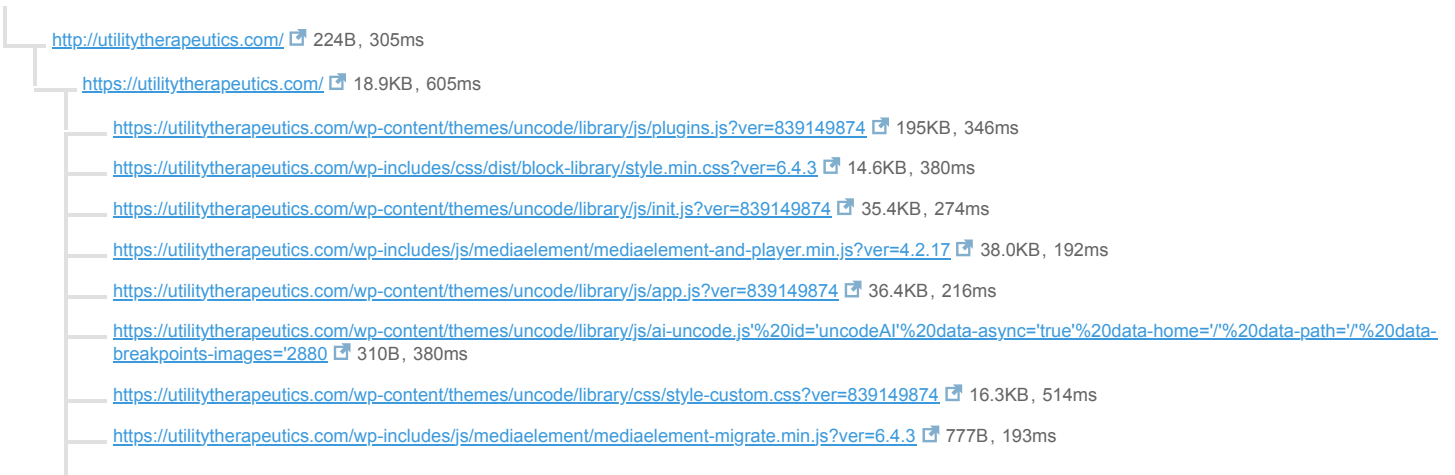
URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://utilitytherapeutics.com/wp-content/uploads/2021/03/home-hero-1.png	744KB	552KB

Low	**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: **2.0s**

INITIAL NAVIGATION

- http://utilitytherapeutics.com/ ⧉ 224B, 305ms
  - https://utilitytherapeutics.com/ ⧉ 18.9KB, 605ms
    - https://utilitytherapeutics.com/wp-content/themes/uncode/library/js/plugins.js?ver=839149874 ⧉ 195KB, 346ms
    - https://utilitytherapeutics.com/wp-includes/css/dist/block-library/style.min.css?ver=6.4.3 ⧉ 14.6KB, 380ms
    - https://utilitytherapeutics.com/wp-content/themes/uncode/library/js/init.js?ver=839149874 ⧉ 35.4KB, 274ms
    - https://utilitytherapeutics.com/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.17 ⧉ 38.0KB, 192ms
    - https://utilitytherapeutics.com/wp-content/themes/uncode/library/js/app.js?ver=839149874 ⧉ 36.4KB, 216ms
    - https://utilitytherapeutics.com/wp-content/themes/uncode/library/js/ai-uncode.js'%20id='uncodeAI'%20data-async='true'%20data-home='/'%20data-path='/'%20data-breakpoints-images='2880 ⧉ 310B, 380ms
    - https://utilitytherapeutics.com/wp-content/themes/uncode/library/css/style-custom.css?ver=839149874 ⧉ 16.3KB, 514ms
    - https://utilitytherapeutics.com/wp-includes/js/mediaelement/mediaelement-migrate.min.js?ver=6.4.3 ⧉ 777B, 193ms

https://utilitytherapeutics.com/wp-includes/js/mediaelement/wp-mediaelement.min.js?ver=6.4.3 ⬈ 758B, 178ms

https://utilitytherapeutics.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1 ⬈ 5.14KB, 552ms

https://utilitytherapeutics.com/wp-includes/js/jquery/jquery.min.js?ver=3.7.1 ⬈ 30.9KB, 552ms

https://utilitytherapeutics.com/wp-content/plugins/uncode-daves-wordpress-live-search/js/daves-wordpress-live-search.js?ver=6.4.3 ⬈ 3.92KB, 174ms

https://utilitytherapeutics.com/wp-includes/js/underscore.min.js?ver=1.13.4 ⬈ 7.69KB, 155ms

https://utilitytherapeutics.com/wp-content/themes/uncode/library/css/style.css?ver=839149874 ⬈ 61.6KB, 474ms

https://utilitytherapeutics.com/wp-content/themes/uncode/library/css/uncode-icons.css?ver=839149874 ⬈ 12.0KB, 494ms

https://utilitytherapeutics.com/wp-content/themes/uncode/library/fonts/uncode-icons.woff2 ⬈ 137KB, 234ms

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… <b>	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/uncode/library/js/plugins.js?ver=839149874	195KB
• https://utilitytherapeutics.com/wp-content/themes/uncode/library/fonts/uncode-icons.woff2	137KB
• https://www.googletagmanager.com/gtag/js?id=G-7VGRL31S69&l=dataLayer&cx=c	75.8KB
• https://www.googletagmanager.com/gtm.js?id=GTM-PCRKNPZ	64.0KB
• https://utilitytherapeutics.com/wp-content/themes/uncode/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/uncode/library/js/app.js?ver=839149874	36.4KB
• https://utilitytherapeutics.com/wp-content/themes/uncode/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	Avoid multiple page redirects FCP LCP	Potential savings of 306ms

Redirects introduce additional delays before the page can be loaded.

URL	TIME SPENT
• http://utilitytherapeutics.com/	306ms
• https://utilitytherapeutics.com/	0ms

Low	**Reduce JavaScript execution time** TBT			178ms 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://utilitytherapeutics.com/wp-content/themes/uncode/library/js/init.js?ver=839149874	181ms	13ms	2ms
• https://utilitytherapeutics.com/	161ms	22ms	3ms
• Unattributable	147ms	13ms	0ms
• https://utilitytherapeutics.com/wp-content/themes/uncode/library/js/app.js?ver=839149874	125ms	67ms	2ms
• https://www.googletagmanager.com/gtm.js?id=GTM-PCRKNPZ	55ms	49ms	2ms

Low	**Reduce initial server response time** FCP LCP			Root document took 181ms

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

URL	TIME SPENT
• https://utilitytherapeutics.com/	181ms

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/uncode/library/css/style.css?ver=839149874	61.6KB	10.4KB

N/A	**Largest Contentful Paint element** LCP			2,200 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	36%	800ms
Load Delay	30%	648ms
Load Time	29%	633ms
Render Delay	5%	114ms

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		7.37KB
Line:12116 Column:2	`Array.prototype.filter`	
https://utilitytherapeutics.com/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.17		54B
Line:11 Column:12531	`@babel/plugin-transform-classes`	

N/A	Minimize main-thread work TBT	Main-thread busy for 837ms

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

CATEGORY	TIME SPENT
Other	269ms
Script Evaluation	250ms
Style & Layout	227ms
Script Parsing & Compilation	39ms
Parse HTML & CSS	37ms
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-7VGRL31S69&l=dataLayer&cx=c	75.8KB	0ms
• https://www.googletagmanager.com/gtm.js?id=GTM-PCRKNPZ	64.0KB	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.