



Performance Report for: <https://www.lineardiagnosics.com/>

Report generated: Wed, Mar 13, 2024 12:40 AM -0700

Test Server Location: London, UK

Using: Chrome 117.0.0.0, Lighthouse 11.0.0

A	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	100%	100%	481ms	0ms	0

Top Issues

Low	Avoid an excessive DOM size <small>TBT</small>	381 elements
Low	Avoid enormous network payloads <small>LCP</small>	Total size was 1.26MB
Low	Ensure text remains visible during webfont load <small>FCP LCP</small>	2 fonts found
Low	Avoid long main-thread tasks <small>TBT</small>	1 long task found
Low	Reduce JavaScript execution time <small>TBT</small>	164ms spent executing JavaScript

Page Details



Total Page Size - 1.26MB



Total Page Requests - 44



Legend: 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

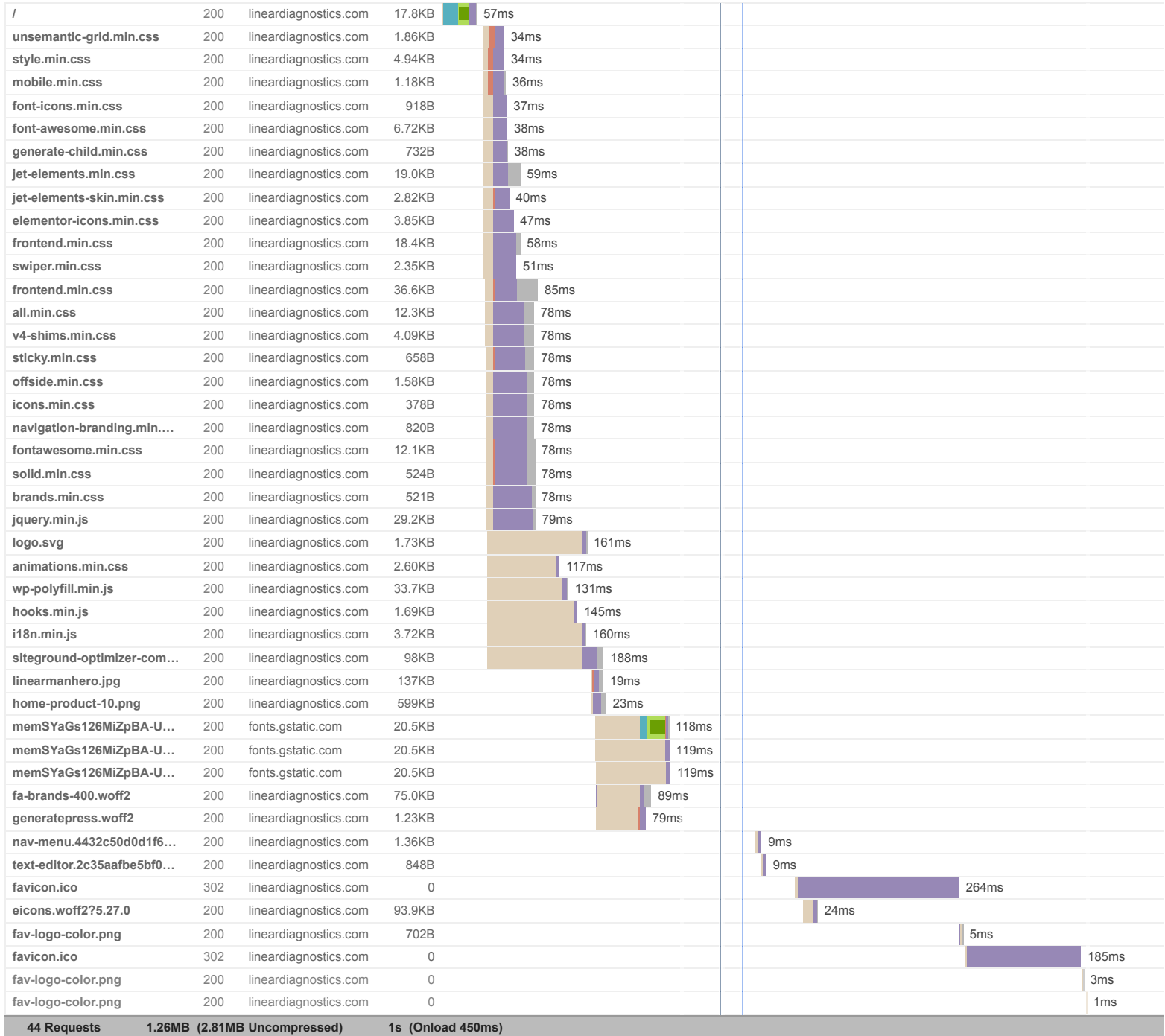


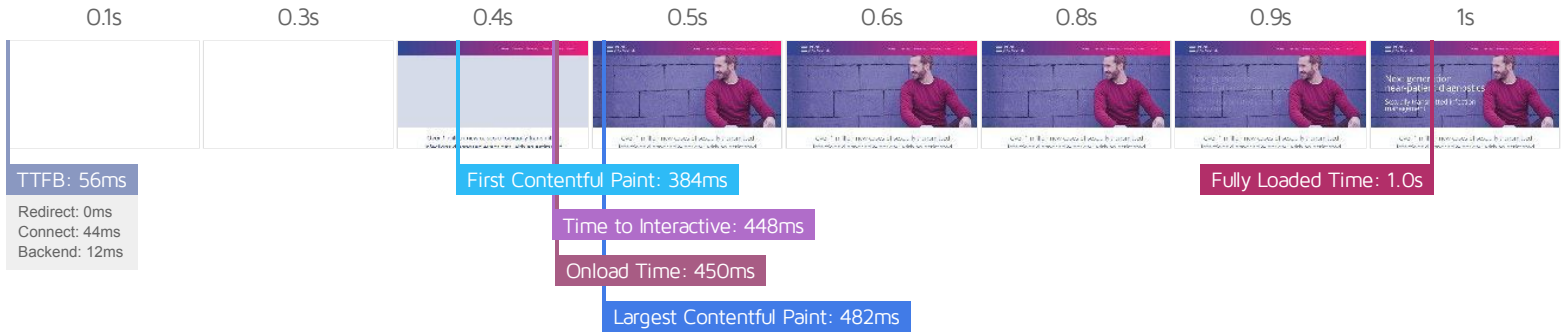
GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

<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.

Next generation near patient diagnostics | Linear Diagnostics





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>Good - Nothing to do here</p> <p>383ms</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>447ms</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>Good - Nothing to do here</p> <p>517ms</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>0ms</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>Good - Nothing to do here</p> <p>481ms</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	44ms	Backend	12ms
TTFB	56ms	First Paint	384ms	DOM Int.	406ms
DOM Loaded	448ms	Onload	450ms	Fully Loaded	1.0s

IMPACT AUDIT

Low **Reduce unused CSS** FCP LCP Potential savings of 97.2KB

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://www.lineardiagnosics.com/wp-content/plugins/elementor-pro/assets/css/frontend.min.css	36.6KB	36.3KB
https://www.lineardiagnosics.com/wp-content/plugins/jet-elements/assets/css/jet-elements.min.css	19.0KB	19.0KB
https://www.lineardiagnosics.com/wp-content/plugins/elementor/assets/css/frontend.min.css	18.4KB	17.7KB
https://www.lineardiagnosics.com/wp-content/plugins/elementor/assets/lib/font-awesome/css/all.min.css	12.3KB	12.2KB
https://www.lineardiagnosics.com/wp-content/plugins/elementor/assets/lib/font-awesome/css/fontawesome.min.css	12.1KB	12.0KB

Low **Serve images in next-gen formats** Potential savings of 570KB

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

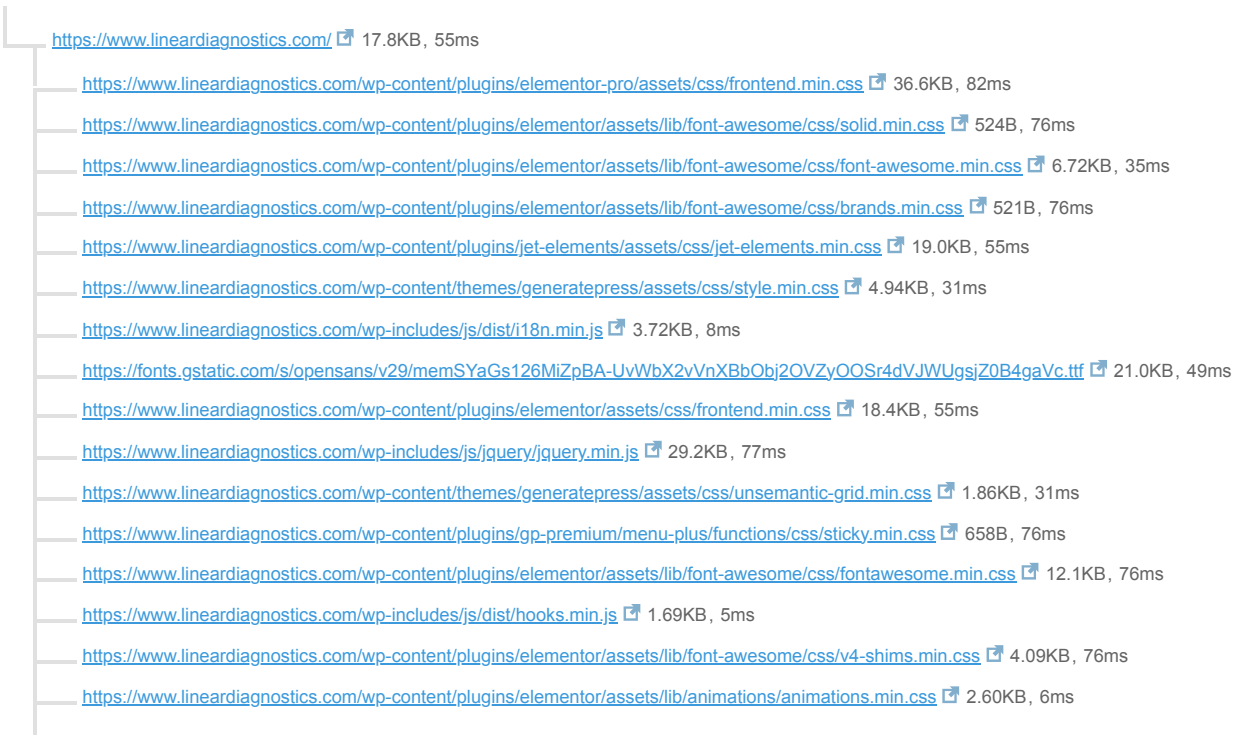
URL	RESOURCE SIZE	POTENTIAL SAVINGS
https://www.lineardiagnosics.com/wp-content/uploads/2022/05/home-product-10.png	599KB	570KB

Low **Avoid chaining critical requests** FCP LCP 29 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: **604ms**

INITIAL NAVIGATION



- <https://www.lineardiagnosics.com/wp-content/plugins/gp-premium/menu-plus/functions/css/offside.min.css> 1.58KB, 76ms
- <https://www.lineardiagnosics.com/wp-includes/js/dist/vendor/wp-polyfill.min.js> 33.7KB, 11ms
- <https://fonts.gstatic.com/s/opensans/v29/memSYaGs126MiZpBA-UvWbX2vVnXBbObj2OVZyOOSr4dVJWUgsgH1x4gaVc.ttf> 20.6KB, 49ms
- <https://www.lineardiagnosics.com/wp-content/themes/generatepress/assets/css/mobile.min.css> 1.18KB, 34ms
- https://www.lineardiagnosics.com/wp-content/themes/generatepress_child/generate-child.min.css 732B, 36ms
- <https://www.lineardiagnosics.com/wp-content/plugins/jet-elements/assets/css/jet-elements-skin.min.css> 2.82KB, 37ms
- <https://www.lineardiagnosics.com/wp-content/plugins/gp-premium/general/icons/icons.min.css> 378B, 76ms
- <https://www.lineardiagnosics.com/wp-content/plugins/gp-premium/menu-plus/functions/css/navigation-branding.min.css> 820B, 76ms
- <https://www.lineardiagnosics.com/wp-content/plugins/elementor/assets/lib/swiper/css/swiper.min.css> 2.35KB, 48ms
- <https://fonts.gstatic.com/s/opensans/v29/memSYaGs126MiZpBA-UvWbX2vVnXBbObj2OVZyOOSr4dVJWUgsiH0B4gaVc.ttf> 20.7KB, 50ms
- <https://www.lineardiagnosics.com/wp-content/themes/generatepress/assets/css/components/font-icons.min.css> 918B, 34ms
- <https://www.lineardiagnosics.com/wp-content/themes/generatepress/assets/fonts/generatepress.woff2> 1.46KB, 11ms
- <https://www.lineardiagnosics.com/wp-content/plugins/elementor/assets/lib/font-awesome/css/all.min.css> 12.3KB, 75ms
- <https://www.lineardiagnosics.com/wp-content/plugins/elementor/assets/lib/font-awesome/webfonts/fa-brands-400.woff2> 75.3KB, 20ms
- <https://www.lineardiagnosics.com/wp-content/plugins/elementor/assets/lib/eicons/css/elementor-icons.min.css> 3.85KB, 44ms
- <https://www.lineardiagnosics.com/wp-content/plugins/elementor/assets/lib/eicons/fonts/eicons.woff2?5.27.0> 94.2KB, 6ms

Low **Reduce unused JavaScript** LCP Potential savings of 62.8KB

Reduce unused JavaScript and defer loading scripts until they are required to decrease bytes consumed by network activity.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
https://www.lineardiagnosics.com/wp-content/uploads/siteground-optimizer-assets/siteground-optimizer-combined-js-dddaef58faa2af6e38c00894d5b5fb59.js	98KB	62.8KB

N/A **Largest Contentful Paint element** LCP 480 ms

This is the largest contentful element painted within the viewport.

ELEMENT

```
Next generation near-patient diagnostics Sexually transmitted infection manage...
<section class="elementor-section elementor-top-section elementor-element elementor-elemen..." data-id="c45f049" data-element_type="section" id="hero-section" data-settings="{&quot;background_background&quot;:&quot;classic&quot;}">
```

PHASE	% OF LCP	TIMING
TTFB	12%	55ms
Load Delay	39%	187ms
Load Time	4%	17ms
Render Delay	46%	221ms

N/A **Eliminate render-blocking resources** FCP LCP Potential savings of 11ms

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://www.lineardiagnosics.com/wp-content/plugins/jet-elements/assets/css/jet-elements.min.css	19.0KB	300ms
https://www.lineardiagnosics.com/wp-content/plugins/elementor/assets/lib/eicons/css/elementor-icons.min.css	3.85KB	150ms
https://www.lineardiagnosics.com/wp-content/plugins/elementor/assets/css/frontend.min.css	18.4KB	150ms
https://www.lineardiagnosics.com/wp-content/plugins/elementor-pro/assets/css/frontend.min.css	36.6KB	450ms
https://www.lineardiagnosics.com/wp-content/plugins/elementor/assets/lib/font-awesome/css/all.min.css	12.3KB	150ms
https://www.lineardiagnosics.com/wp-content/plugins/elementor/assets/lib/font-awesome/css/fontawesome.min.css	12.1KB	150ms
https://www.lineardiagnosics.com/wp-includes/js/jquery/jquery.min.js	29.2KB	150ms

N/A **Reduce initial server response time** FCP LCP Root document took 11ms

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

URL	TIME SPENT
https://www.lineardiagnosics.com/	11ms

N/A **Avoid serving legacy JavaScript to modern browsers** TBT Potential savings of 45B

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://www.lineardiagnosics.com/wp-content/uploads/siteground-optimizer-assets/siteground-optimizer-combined-js-dddaef58faa2af6e38c00894d5b5fb59.js	45B

Line:26 Column:452 `@babel/plugin-transform-classes`

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

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

ELEMENT	CLS CONTRIBUTION
Over 1 million new cases of sexually transmitted infections diagnosed every day... 	0.00
Home Company Technology Solutions News Contact <ul id="menu-1-c8a9f31" class="elementor-nav-menu" data-smartmenus-id="17103156105900364">	0.00

N/A **Minimize main-thread work** TBT Main-thread busy for 610ms

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

CATEGORY	TIME SPENT
Other	223ms
Script Evaluation	204ms
Style & Layout	107ms
Parse HTML & CSS	51ms
Script Parsing & Compilation	10ms
Rendering	10ms
Garbage Collection	2ms

N/A

Reduce the impact of third-party code TBT

Total size was 62.3KB

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	62.3KB	0ms
• https://fonts.gstatic.com/s/opensans/v29/memSYaGs126MiZpBA-UvWbX2vVnXBbObj2OVZyOOSr4dVJWUgslZ0B4gaVc.ttf	21.0KB	0ms
• https://fonts.gstatic.com/s/opensans/v29/memSYaGs126MiZpBA-UvWbX2vVnXBbObj2OVZyOOSr4dVJWUgslH0B4gaVc.ttf	20.7KB	0ms
• https://fonts.gstatic.com/s/opensans/v29/memSYaGs126MiZpBA-UvWbX2vVnXBbObj2OVZyOOSr4dVJWUgsgH1x4gaVc.ttf	20.6KB	0ms

N/A

User Timing marks and measures

No user timings and/or marks found.