

# Performance Report for: <https://www.perthera.com/>

Report generated: Tue, Mar 12, 2024 1:00 AM -0700  
 Test Server Location: London, UK  
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0

<b>C</b>	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	<b>74%</b>	<b>65%</b>	<b>1.9s</b>	<b>161ms</b>	<b>0</b>

## Top Issues

High	<b>Eliminate render-blocking resources</b> <small>FCP LCP</small>	Potential savings of 2.8s
High	<b>Enable text compression</b> <small>FCP LCP</small>	Potential savings of 57.5KB
High	<b>Avoid enormous network payloads</b> <small>LCP</small>	Total size was 18.6MB
Med	<b>Use explicit width and height on image elements</b> <small>CLS</small>	36 images found
Med	<b>Serve static assets with an efficient cache policy</b>	Potential savings of 18.3MB

## Page Details



Total Page Size - 16.8MB



Total Page Requests - 87



### 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

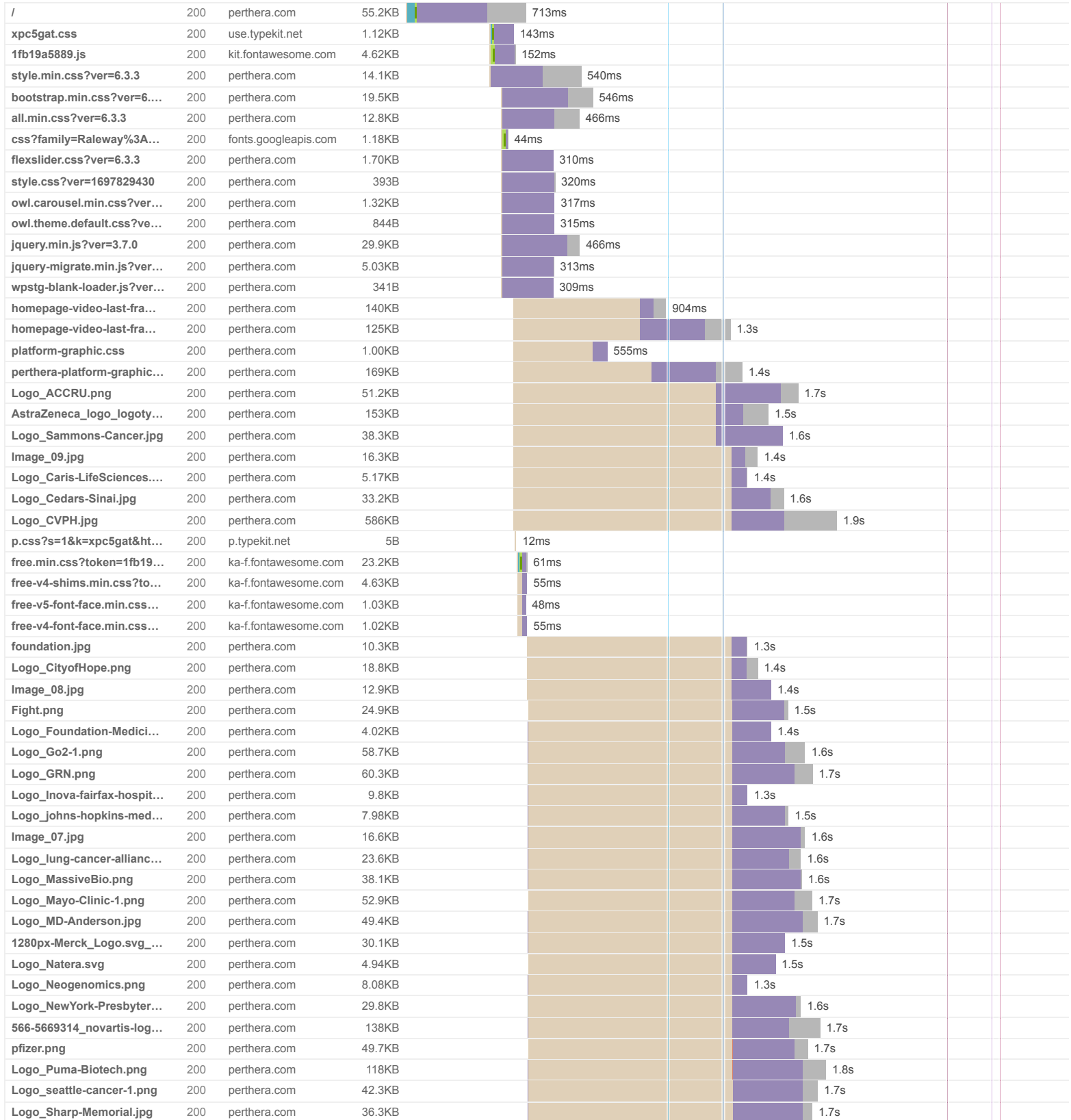


GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

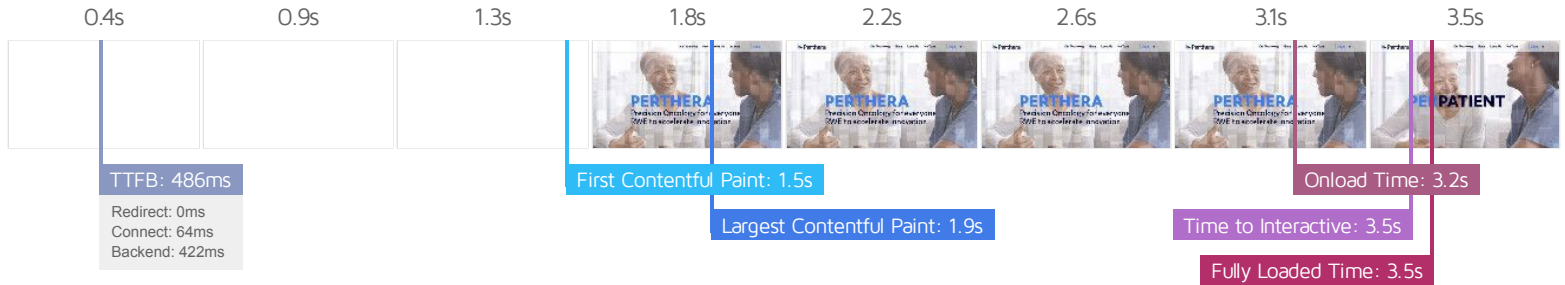
<https://carbon60.com/>

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.

Home - Perthera



Image_11.jpg	200	perthera.com	13.8KB			1.5s		
Logo_Therlink.png	200	perthera.com	25.2KB			1.7s		
Logo_Jefferson.jpg	200	perthera.com	6.76KB			1.5s		
Logo_UVAHealth.png	200	perthera.com	33.5KB			1.6s		
Logo_Virginia_Mason.jpg	200	perthera.com	42.0KB			1.7s		
perthera-logo-white-blue....	200	perthera.com	3.46KB			1.4s		
skip-link-focus-fix.js?ver=...	200	perthera.com	1.05KB			777ms		
flexslider.min.js?ver=201...	200	perthera.com	6.72KB			1s		
parallax.min.js?ver=2016...	200	perthera.com	2.54KB			729ms		
owl.carousel.min.js?ver=...	200	perthera.com	11.5KB			1.1s		
imagesloaded.min.js?ver=...	200	perthera.com	2.06KB			892ms		
shapely-scripts.js?ver=20...	200	perthera.com	17.9KB			1s		
main.css	200	perthera.com	15.8KB			458ms		
perthera.css	200	perthera.com	9.13KB			161ms		
perthera-logo-color.svg	200	perthera.com	3.46KB			418ms		
perthera-supergraphic.svg	200	perthera.com	1.43KB			417ms		
loader.gif	200	perthera.com	4.69KB			416ms		
perthera-widget-helix-1.png	200	perthera.com	388KB			1.1s		
perthera-widget-helix-2.png	200	perthera.com	629KB			1.2s		
perthera-cta-help.png	200	perthera.com	277KB			1.1s		
l?primer=7cdcb44be4a7d...	200	use.typekit.net	21.9KB			576ms		
fa-solid-900.woff2	200	perthera.com	76.6KB			578ms		
l?primer=7cdcb44be4a7d...	200	use.typekit.net	22.3KB			557ms		
l?primer=7cdcb44be4a7d...	200	use.typekit.net	20.9KB			551ms		
l?primer=7cdcb44be4a7d...	200	use.typekit.net	22.7KB			546ms		
perthera-homepage.mp4	206	perthera.com	5.75MB			1.8s		
perthera-homepage-portr...	(incomplete)	perthera.com	5.76MB			>2s		
perthera-cta-person.mp4	(canceled)	perthera.com	38.4KB			769ms		
perthera-cta-person-flipp...	206	perthera.com	1.26MB			1.2s		
free-fa-brands-400.woff2	200	ka-f.fontawesome.com	115KB			55ms		
perthera-cta-person.mp4	206	perthera.com	22.6KB			168ms		
perthera-cta-person.mp4	206	perthera.com	0			622ms		
site.webmanifest	403	perthera.com	440B			274ms		
favicon-32x32.png	200	perthera.com	1.10KB			103ms		
<b>87 Requests 16.8MB (19.2MB Uncompressed) Fully Loaded 3.5s (Onload 3.2s)</b>								



### Performance Metrics

<p><b>First Contentful Paint</b></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>Longer than recommended</p> <p><b>1.5s</b></p>	<p><b>Time to Interactive</b></p> <p>How long it takes for your page to become fully interactive. A good user experience is 2.5s or less.</p>	<p>Longer than recommended</p> <p><b>3.5s</b></p>
<p><b>Speed Index</b></p> <p>How quickly the contents of your page are visibly populated. A good user experience is 1.3s or less.</p>	<p>Much longer than recommended</p> <p><b>4.3s</b></p>	<p><b>Total Blocking Time</b></p> <p>How much time is blocked by scripts during your page loading process. A good user experience is 150ms or less.</p>	<p>OK, but consider improvement</p> <p><b>161ms</b></p>
<p><b>Largest Contentful Paint</b></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><b>1.9s</b></p>	<p><b>Cumulative Layout Shift</b></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><b>0</b></p>

### Browser Timings

Redirect	0ms	Connect	64ms	Backend	422ms
TTFB	486ms	First Paint	1.5s	DOM Int.	1.9s
DOM Loaded	1.9s	Onload	3.2s	Fully Loaded	3.5s

IMPACT AUDIT

Med-Low

**Avoid CSS @import** FCP LCP

1 resource found

Using CSS @import in an external stylesheet can add additional delays during the loading of a web page.

STYLESHEETS WITH @IMPORT STATEMENTS AND THE STYLESHEETS THEY IMPORT

<https://use.typekit.net/xpc5gat.css>

<https://p.typekit.net/p.css?s=1&k=xpc5gat&ht=tk&f=26989.26990.26991.26992.26993.26994.26995.26996.26997.26998.26999.27000.27001.27002&a=102927838&app=typekit&e=css>

Low

**Avoid long main-thread tasks** TBT

4 long tasks found

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

URL	START TIME	DURATION
• Unattributable	2.7s	125ms
• <a href="https://www.perthera.com/">https://www.perthera.com/</a>	1.4s	124ms
• Unattributable	3.4s	95ms
• Unattributable	3.1s	91ms

Low

**Avoid chaining critical requests** FCP LCP

22 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



- <https://www.perthera.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.4.1> 5.03KB, 312ms
- <https://www.perthera.com/wp-content/themes/perthera-three/assets/js/owl-carousel/owl.carousel.min.js?ver=20160115> 11.5KB, 467ms
- <https://use.typekit.net/xpc5gat.css> 1.34KB, 141ms
  - <https://p.typekit.net/p.css?s=1&k=xpc5gat&ht=tk&f=26989.26990.26991.26992.26993.26994.26995.26996.26997.26998.26999.27000.27001.27002&a=102927838&app=typekit&e=css> 172B, 11ms
- <https://www.perthera.com/wp-content/themes/perthera-three/assets/css/fontawesome/all.min.css?ver=6.3.3> 12.8KB, 465ms
- <https://www.perthera.com/wp-content/themes/perthera-three/assets/css/webfonts/fa-solid-900.woff2> 76.6KB, 462ms
- <https://www.perthera.com/wp-content/themes/perthera-three/style.css?ver=1697829430> 393B, 319ms
- <https://www.perthera.com/wp-content/themes/perthera-three/perthera.css> 9.13KB, 159ms
- <https://www.perthera.com/wp-content/themes/perthera-three/main.css> 15.8KB, 457ms

**Low** **Ensure text remains visible during webfont load** FCP LCP 4 fonts found

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

URL	POTENTIAL SAVINGS
<a href="https://use.typekit.net/af/76599a/00000000000000007735fd9d/30/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n7&amp;v=3">https://use.typekit.net/af/76599a/00000000000000007735fd9d/30/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n7&amp;v=3</a>	59ms
<a href="https://use.typekit.net/af/4e72b6/00000000000000007735fda1/30/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n3&amp;v=3">https://use.typekit.net/af/4e72b6/00000000000000007735fda1/30/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n3&amp;v=3</a>	41ms
<a href="https://use.typekit.net/af/31b488/00000000000000007735fda4/30/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n4&amp;v=3">https://use.typekit.net/af/31b488/00000000000000007735fda4/30/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n4&amp;v=3</a>	35ms
<a href="https://use.typekit.net/af/37968f/00000000000000007735fda9/30/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=i4&amp;v=3">https://use.typekit.net/af/37968f/00000000000000007735fda9/30/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=i4&amp;v=3</a>	31ms

**Low** **Avoid an excessive DOM size** TBT 401 elements

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

STATISTIC	ELEMENT	VALUE
Total DOM Elements		401
Maximum DOM Depth	<code>g#report &gt; g.header-text &gt; text &gt; tspan.st14</code> <code>&lt;tspan x="0" y="0" class="st14 st15 st16 bold"&gt;</code>	19
Maximum Child Elements	<code>Accru</code> <code>&lt;div class="col-sm-12 col-xs-12 widget-content"&gt;</code>	35

**Low** **Properly size images** Potential savings of 1.67MB

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

URL	RESOURCE SIZE	POTENTIAL SAVINGS
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_CVPH.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_CVPH.jpg</a>	585KB	504KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/AstraZeneca_logo_logotype.png">https://www.perthera.com/wp-content/uploads/2020/12/AstraZeneca_logo_logotype.png</a>	153KB	153KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/566-5669314_novartis-logo-download-for-free-novartis-oncology-logo.png">https://www.perthera.com/wp-content/uploads/2020/12/566-5669314_novartis-logo-download-for-free-novartis-oncology-logo.png</a>	138KB	138KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Puma-Biotech.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Puma-Biotech.png</a>	118KB	116KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_GRN.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_GRN.png</a>	60.1KB	59.8KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Go2-1.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Go2-1.png</a>	58.5KB	55.9KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Mayo-Clinic-1.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Mayo-Clinic-1.png</a>	52.6KB	52.5KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_ACCRU.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_ACCRU.png</a>	51.0KB	50.6KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_MD-Anderson.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_MD-Anderson.jpg</a>	49.2KB	48.6KB
<a href="https://www.perthera.com/wp-content/uploads/2021/07/pfizer.png">https://www.perthera.com/wp-content/uploads/2021/07/pfizer.png</a>	49.4KB	42.3KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Virginia_Mason.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Virginia_Mason.jpg</a>	41.7KB	41.4KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_MassiveBio.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_MassiveBio.png</a>	37.9KB	37.8KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Sammons-Cancer.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Sammons-Cancer.jpg</a>	38.1KB	34.9KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_seattle-cancer-1.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_seattle-cancer-1.png</a>	42.0KB	34.9KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Sharp-Memorial.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Sharp-Memorial.jpg</a>	36.0KB	33.8KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_UVAHealth.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_UVAHealth.png</a>	33.3KB	33.2KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Cedars-Sinai.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Cedars-Sinai.jpg</a>	33.0KB	32.9KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/1280px-Merck_Logo.svg_.png">https://www.perthera.com/wp-content/uploads/2020/12/1280px-Merck_Logo.svg_.png</a>	29.9KB	29.7KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_NewYork-Presbyterian.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_NewYork-Presbyterian.png</a>	29.6KB	29.3KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Therlink.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Therlink.png</a>	25.0KB	24.7KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_lung-cancer-alliance.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_lung-cancer-alliance.png</a>	23.4KB	23.2KB
<a href="https://www.perthera.com/wp-content/uploads/2021/07/Fight.png">https://www.perthera.com/wp-content/uploads/2021/07/Fight.png</a>	24.7KB	21.1KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_CityofHope.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_CityofHope.png</a>	18.6KB	18.1KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/Image_09.jpg">https://www.perthera.com/wp-content/uploads/2020/12/Image_09.jpg</a>	16.0KB	13.9KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/Image_07.jpg">https://www.perthera.com/wp-content/uploads/2020/12/Image_07.jpg</a>	16.4KB	13.8KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/Image_11.jpg">https://www.perthera.com/wp-content/uploads/2020/12/Image_11.jpg</a>	13.5KB	12.0KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/Image_08.jpg">https://www.perthera.com/wp-content/uploads/2020/12/Image_08.jpg</a>	12.7KB	9.32KB
<a href="https://www.perthera.com/wp-content/uploads/2021/07/foundation.jpg">https://www.perthera.com/wp-content/uploads/2021/07/foundation.jpg</a>	10.1KB	9.07KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Inova-fairfax-hospital.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Inova-fairfax-hospital.jpg</a>	9.59KB	8.46KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Neogenomics.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Neogenomics.png</a>	7.83KB	7.72KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_johns-hopkins-medicine.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_johns-hopkins-medicine.png</a>	7.73KB	7.63KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Jefferson.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Jefferson.jpg</a>	6.51KB	6.08KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Caris-LifeSciences.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Caris-LifeSciences.png</a>	4.92KB	4.56KB

Low

Efficiently encode images

Potential savings of 652KB

Optimized images load faster and consume less cellular data.

URL	RESOURCE SIZE	POTENTIAL SAVINGS
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_CVPH.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_CVPH.jpg</a>	585KB	574KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Sharp-Memorial.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Sharp-Memorial.jpg</a>	36.0KB	26.1KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Sammons-Cancer.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Sammons-Cancer.jpg</a>	38.1KB	22.6KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/Image_09.jpg">https://www.perthera.com/wp-content/uploads/2020/12/Image_09.jpg</a>	16.0KB	11.1KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/Image_08.jpg">https://www.perthera.com/wp-content/uploads/2020/12/Image_08.jpg</a>	12.7KB	8.70KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/Image_07.jpg">https://www.perthera.com/wp-content/uploads/2020/12/Image_07.jpg</a>	16.4KB	5.52KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/Image_11.jpg">https://www.perthera.com/wp-content/uploads/2020/12/Image_11.jpg</a>	13.5KB	4.90KB

Low

**Reduce unused CSS** FCP LCP

Potential savings of 79.8KB

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
• <code>/*! * Font Awesome Free 6.5.1 by @fontawesome - https://fontawesome.com * License - https://fonta...</code>	20.3KB	20.0KB
• <a href="https://www.perthera.com/wp-content/themes/perthera-three/assets/css/bootstrap.min.css?ver=6.3.3">https://www.perthera.com/wp-content/themes/perthera-three/assets/css/bootstrap.min.css?ver=6.3.3</a>	19.5KB	18.5KB
• <a href="https://www.perthera.com/wp-content/themes/perthera-three/main.css">https://www.perthera.com/wp-content/themes/perthera-three/main.css</a>	15.8KB	14.6KB
• <a href="https://www.perthera.com/wp-includes/css/dist/block-library/style.min.css?ver=6.3.3">https://www.perthera.com/wp-includes/css/dist/block-library/style.min.css?ver=6.3.3</a>	14.1KB	14.0KB
• <a href="https://www.perthera.com/wp-content/themes/perthera-three/assets/css/fontawesome/all.min.css?ver=6.3.3">https://www.perthera.com/wp-content/themes/perthera-three/assets/css/fontawesome/all.min.css?ver=6.3.3</a>	12.8KB	12.7KB

Low

**Serve images in next-gen formats**

Potential savings of 2.07MB

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
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_CVPH.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_CVPH.jpg</a>	585KB	580KB
<a href="https://www.perthera.com/wp-content/uploads/2023/04/perthera-widget-helix-2.png">https://www.perthera.com/wp-content/uploads/2023/04/perthera-widget-helix-2.png</a>	629KB	577KB
<a href="https://www.perthera.com/wp-content/themes/perthera-three/assets/images/perthera-widget-helix-1.png">https://www.perthera.com/wp-content/themes/perthera-three/assets/images/perthera-widget-helix-1.png</a>	388KB	223KB
<a href="https://www.perthera.com/wp-content/themes/perthera-three/assets/images/perthera-cta-help.png">https://www.perthera.com/wp-content/themes/perthera-three/assets/images/perthera-cta-help.png</a>	277KB	200KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Puma-Biotech.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Puma-Biotech.png</a>	118KB	91.5KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/AstraZeneca_logo_logotype.png">https://www.perthera.com/wp-content/uploads/2020/12/AstraZeneca_logo_logotype.png</a>	153KB	70.9KB
<a href="https://www.perthera.com/wp-content/themes/perthera-three/assets/images/homepage-video-last-frame-portrait.jpg">https://www.perthera.com/wp-content/themes/perthera-three/assets/images/homepage-video-last-frame-portrait.jpg</a>	125KB	54.7KB
<a href="https://www.perthera.com/wp-content/themes/perthera-three/assets/images/homepage-video-last-frame.jpg">https://www.perthera.com/wp-content/themes/perthera-three/assets/images/homepage-video-last-frame.jpg</a>	140KB	54.0KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/566-5669314_novartis-logo-download-for-free-novartis-oncology-logo.png">https://www.perthera.com/wp-content/uploads/2020/12/566-5669314_novartis-logo-download-for-free-novartis-oncology-logo.png</a>	138KB	50.5KB
<a href="https://www.perthera.com/wp-content/uploads/2021/07/pfizer.png">https://www.perthera.com/wp-content/uploads/2021/07/pfizer.png</a>	49.4KB	40.6KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Go2-1.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Go2-1.png</a>	58.5KB	37.3KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_seattle-cancer-1.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_seattle-cancer-1.png</a>	42.0KB	34.7KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Sharp-Memorial.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Sharp-Memorial.jpg</a>	36.0KB	29.4KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Sammons-Cancer.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Sammons-Cancer.jpg</a>	38.1KB	27.8KB
<a href="https://www.perthera.com/wp-content/uploads/2021/07/Fight.png">https://www.perthera.com/wp-content/uploads/2021/07/Fight.png</a>	24.7KB	15.9KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/Image_09.jpg">https://www.perthera.com/wp-content/uploads/2020/12/Image_09.jpg</a>	16.0KB	12.7KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/Image_08.jpg">https://www.perthera.com/wp-content/uploads/2020/12/Image_08.jpg</a>	12.7KB	10.0KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/Image_07.jpg">https://www.perthera.com/wp-content/uploads/2020/12/Image_07.jpg</a>	16.4KB	9.13KB

Low

**Reduce initial server response time** FCP LCP

Root document took 421ms

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

URL	TIME SPENT
• <a href="https://www.perthera.com/">https://www.perthera.com/</a>	421ms

Low

**Defer offscreen images**

Potential savings of 2.24MB

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

URL	RESOURCE SIZE	POTENTIAL SAVINGS
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_CVPH.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_CVPH.jpg</a>	585KB	585KB
<a href="https://www.perthera.com/wp-content/themes/perthera-three/assets/images/perthera-cta-help.png">https://www.perthera.com/wp-content/themes/perthera-three/assets/images/perthera-cta-help.png</a>	277KB	277KB
<a href="https://www.perthera.com/wp-content/themes/perthera-three/assets/images/perthera-platform-graphic-technology.svg">https://www.perthera.com/wp-content/themes/perthera-three/assets/images/perthera-platform-graphic-technology.svg</a>	168KB	168KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/AstraZeneca_logo_logotype.png">https://www.perthera.com/wp-content/uploads/2020/12/AstraZeneca_logo_logotype.png</a>	153KB	153KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/566-5669314_novartis-logo-download-for-free-novartis-oncology-logo.png">https://www.perthera.com/wp-content/uploads/2020/12/566-5669314_novartis-logo-download-for-free-novartis-oncology-logo.png</a>	138KB	138KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Puma-Biotech.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Puma-Biotech.png</a>	118KB	118KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_GRN.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_GRN.png</a>	60.1KB	60.1KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Go2-1.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Go2-1.png</a>	58.5KB	58.5KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Mayo-Clinic-1.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Mayo-Clinic-1.png</a>	52.6KB	52.6KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_ACCRU.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_ACCRU.png</a>	51.0KB	51.0KB
<a href="https://www.perthera.com/wp-content/uploads/2021/07/pfizer.png">https://www.perthera.com/wp-content/uploads/2021/07/pfizer.png</a>	49.4KB	49.4KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_MD-Anderson.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_MD-Anderson.jpg</a>	49.2KB	49.2KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_seattle-cancer-1.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_seattle-cancer-1.png</a>	42.0KB	42.0KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Virginia_Mason.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Virginia_Mason.jpg</a>	41.7KB	41.7KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Sammons-Cancer.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Sammons-Cancer.jpg</a>	38.1KB	38.1KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_MassiveBio.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_MassiveBio.png</a>	37.9KB	37.9KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Sharp-Memorial.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Sharp-Memorial.jpg</a>	36.0KB	36.0KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_UVAHealth.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_UVAHealth.png</a>	33.3KB	33.3KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Cedars-Sinai.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Cedars-Sinai.jpg</a>	33.0KB	33.0KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/1280px-Merck_Logo.svg_.png">https://www.perthera.com/wp-content/uploads/2020/12/1280px-Merck_Logo.svg_.png</a>	29.9KB	29.9KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_NewYork-Presbyterian.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_NewYork-Presbyterian.png</a>	29.6KB	29.6KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Therlink.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Therlink.png</a>	25.0KB	25.0KB
<a href="https://www.perthera.com/wp-content/uploads/2021/07/Fight.png">https://www.perthera.com/wp-content/uploads/2021/07/Fight.png</a>	24.7KB	24.7KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_lung-cancer-alliance.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_lung-cancer-alliance.png</a>	23.4KB	23.4KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_CityofHope.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_CityofHope.png</a>	18.6KB	18.6KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/Image_07.jpg">https://www.perthera.com/wp-content/uploads/2020/12/Image_07.jpg</a>	16.4KB	16.4KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/Image_09.jpg">https://www.perthera.com/wp-content/uploads/2020/12/Image_09.jpg</a>	16.0KB	16.0KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/Image_11.jpg">https://www.perthera.com/wp-content/uploads/2020/12/Image_11.jpg</a>	13.5KB	13.5KB
<a href="https://www.perthera.com/wp-content/uploads/2020/12/Image_08.jpg">https://www.perthera.com/wp-content/uploads/2020/12/Image_08.jpg</a>	12.7KB	12.7KB
<a href="https://www.perthera.com/wp-content/uploads/2021/07/foundation.jpg">https://www.perthera.com/wp-content/uploads/2021/07/foundation.jpg</a>	10.1KB	10.1KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Inova-fairfax-hospital.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Inova-fairfax-hospital.jpg</a>	9.59KB	9.59KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Neogenomics.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Neogenomics.png</a>	7.83KB	7.83KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_johns-hopkins-medicine.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_johns-hopkins-medicine.png</a>	7.73KB	7.73KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Jefferson.jpg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Jefferson.jpg</a>	6.51KB	6.51KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Caris-LifeSciences.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Caris-LifeSciences.png</a>	4.92KB	4.92KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Natera.svg">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Natera.svg</a>	4.67KB	4.67KB
<a href="https://www.perthera.com/wp-content/uploads/2023/05/Logo_Foundation-Medicine.png">https://www.perthera.com/wp-content/uploads/2023/05/Logo_Foundation-Medicine.png</a>	3.77KB	3.77KB
<a href="https://www.perthera.com/wp-content/themes/perthera-three/assets/images/perthera-logo-white-blue.svg">https://www.perthera.com/wp-content/themes/perthera-three/assets/images/perthera-logo-white-blue.svg</a>	3.20KB	3.20KB

Low

Minify CSS  FCP  LCP

Potential savings of 6.91KB

Minifying CSS files can reduce network payload sizes.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
• <a href="https://www.perthera.com/wp-content/themes/perthera-three/main.css">https://www.perthera.com/wp-content/themes/perthera-three/main.css</a>	15.8KB	4.57KB
• <a href="https://www.perthera.com/wp-content/themes/perthera-three/perthera.css">https://www.perthera.com/wp-content/themes/perthera-three/perthera.css</a>	9.13KB	2.34KB

**Low** **Minify JavaScript** FCP LCP Potential savings of 6.76KB

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

URL	TRANSFER SIZE	POTENTIAL SAVINGS
• <a href="https://www.perthera.com/wp-content/themes/perthera-three/assets/js/shapely-scripts.js?ver=20180423">https://www.perthera.com/wp-content/themes/perthera-three/assets/js/shapely-scripts.js?ver=20180423</a>	17.9KB	6.76KB

**N/A** **Largest Contentful Paint element** LCP 1,880 ms

This is the largest contentful element painted within the viewport.

**ELEMENT**

```
div.row > div.col-md-2 > a.link-homepage > div#perthera-logo-top
<div id="perthera-logo-top">
```

PHASE	% OF LCP	TIMING
TTFB	26%	486ms
Load Delay	54%	1.0s
Load Time	17%	315ms
Render Delay	3%	59ms

**N/A** **Reduce JavaScript execution time** TBT 34ms 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	962ms	7ms	0ms
• <a href="https://www.perthera.com/">https://www.perthera.com/</a>	443ms	21ms	5ms

**N/A** **Avoid large layout shifts** CLS 3 elements found

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

ELEMENT	CLS CONTRIBUTION
Our Technology News About Us Our Team <div class="menu-main-container">	0.00
Our Team <li id="menu-item-6223" class="menu-item menu-item-type-post_type_archive menu-item-object-team menu-item...">	0.00
Login <a class="cta-button cta-perthera d-none" href="https://myv2.perthera.com/" role="button" target="_blank">	0.00

N/A **Minimize main-thread work** TBT Main-thread busy for 1.5s

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

CATEGORY	TIME SPENT
Other	1.1s
Style & Layout	199ms
Script Evaluation	125ms
Rendering	40ms
Parse HTML & CSS	39ms
Script Parsing & Compilation	13ms

N/A **Reduce the impact of third-party code** TBT Total size was 241KB

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
<b>FONTAWESOME CDN</b>	150KB	0ms
• <a href="https://ka-f.fontawesome.com/releases/v6.5.1/webfonts/free-fa-brands-400.woff2">https://ka-f.fontawesome.com/releases/v6.5.1/webfonts/free-fa-brands-400.woff2</a>	115KB	0ms
• <a href="https://ka-f.fontawesome.com/releases/v6.5.1/css/free.min.css?token=1fb19a5889">https://ka-f.fontawesome.com/releases/v6.5.1/css/free.min.css?token=1fb19a5889</a>	23.2KB	0ms
• Other resources	11.3KB	0ms
<b>ADOBE TYPEKIT</b>	90.1KB	0ms
• <a href="https://use.typekit.net/af/37968f/00000000000000007735fda9/30/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=i4&amp;v=3">https://use.typekit.net/af/37968f/00000000000000007735fda9/30/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=i4&amp;v=3</a>	22.9KB	0ms
• <a href="https://use.typekit.net/af/4e72b6/00000000000000007735fda1/30/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n3&amp;v=3">https://use.typekit.net/af/4e72b6/00000000000000007735fda1/30/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n3&amp;v=3</a>	22.5KB	0ms
• <a href="https://use.typekit.net/af/76599a/00000000000000007735fd9d/30/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n7&amp;v=3">https://use.typekit.net/af/76599a/00000000000000007735fd9d/30/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n7&amp;v=3</a>	22.1KB	0ms
• <a href="https://use.typekit.net/af/31b488/00000000000000007735fda4/30/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n4&amp;v=3">https://use.typekit.net/af/31b488/00000000000000007735fda4/30/?primer=7cdcb44be4a7db8877ffa5c0007b8dd865b3bbc383831fe2ea177f62257a9191&amp;fvd=n4&amp;v=3</a>	21.1KB	0ms
<b>GOOGLE FONTS</b>	1.18KB	0ms

N/A

**Avoid serving legacy JavaScript to modern browsers** TBT

Nothing to do here, good job!

N/A

**User Timing marks and measures**

No user timings and/or marks found.

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