



# Performance Report for: <https://emergexvaccines.com/>

Report generated: Tue, Mar 12, 2024 9:29 PM -0700  
 Test Server Location: London, UK  
 Using: Chrome 117.0.0.0, Lighthouse 11.0.0

<b>D</b>	Performance	Structure	L. Contentful Paint	T. Blocking Time	C. Layout Shift
	64%	77%	3.5s	0ms	0.01

## Top Issues

Med	<b>Avoid enormous network payloads</b> <small>LCP</small>	Total size was 3.81MB
Med	<b>Use explicit width and height on image elements</b> <small>CLS</small>	1 image found
Med	<b>Serve static assets with an efficient cache policy</b>	Potential savings of 3.18MB
Med-Low	<b>Use a Content Delivery Network (CDN)</b>	48 resources found
Med-Low	<b>Avoid document.write()</b>	1 instance found

## Page Details



### Total Page Size - 3.81MB



### Total Page Requests - 72



■ 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

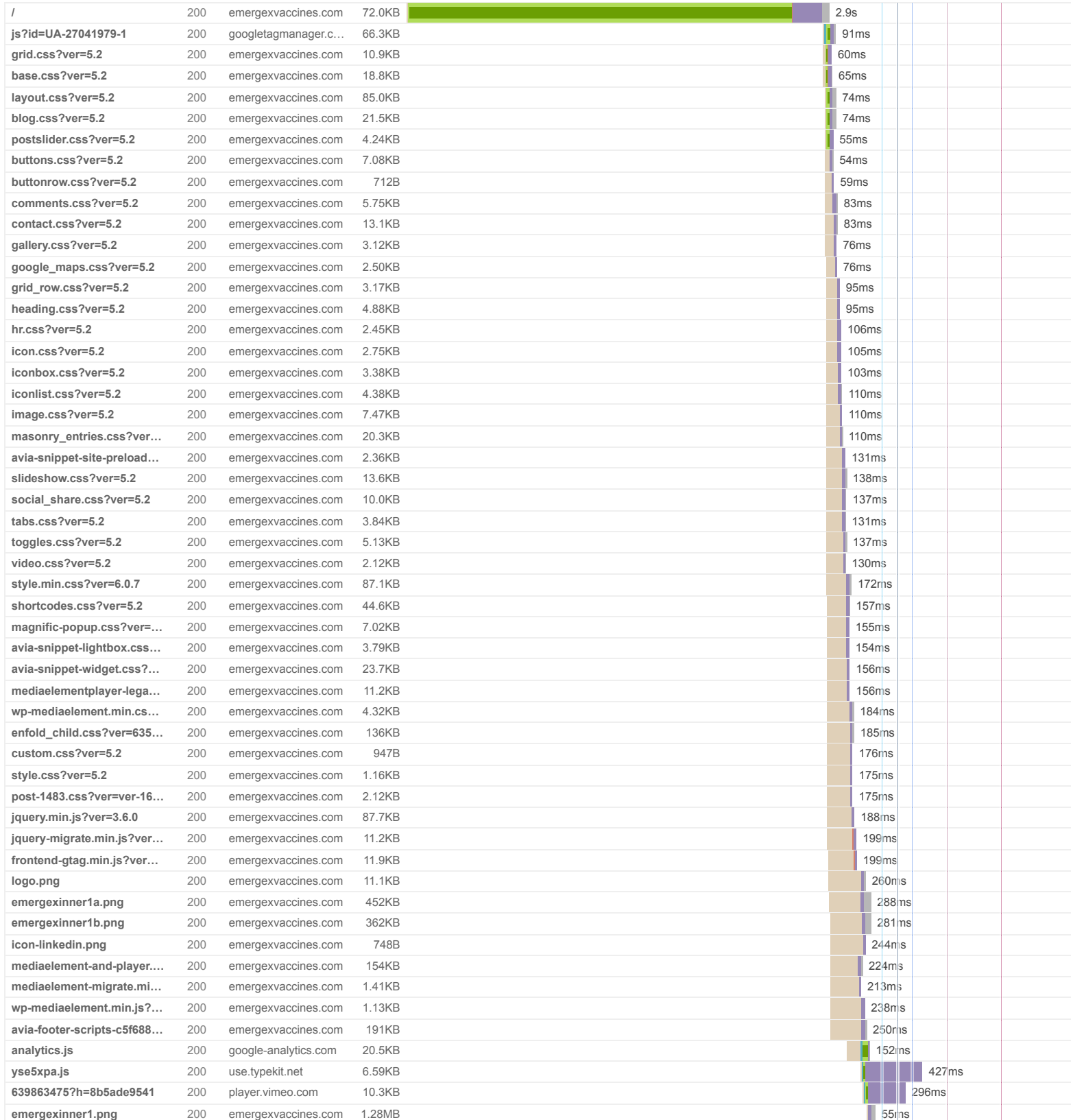


GTmetrix is developed by the good folks at **Carbon60**, a Canadian hosting company with over 28 years experience in web technology.

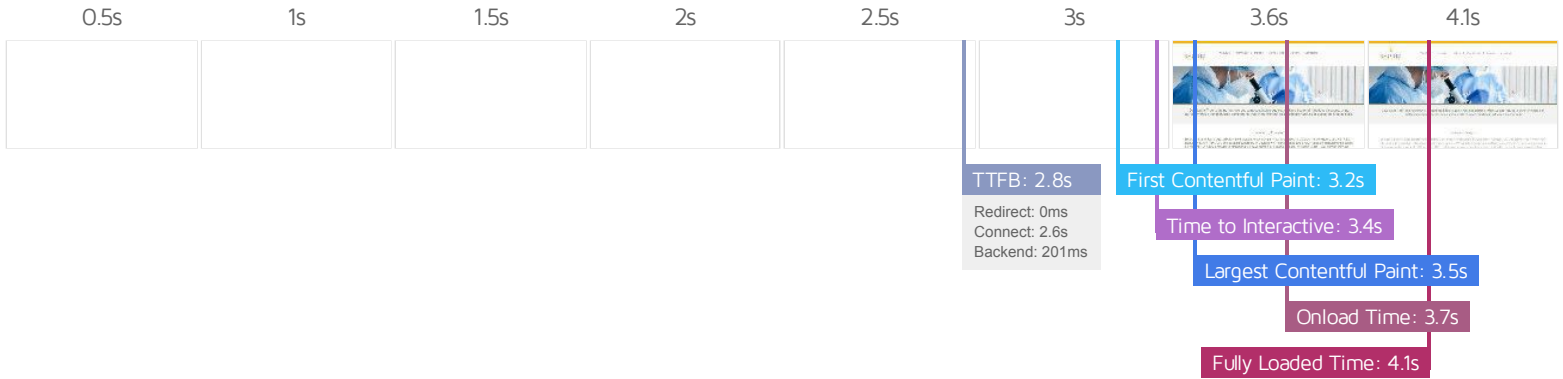
<https://carbon60.com/>

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.

## Emergex – Development of T-cell Vaccines for Viral and Bacterial Infections



entypo-fontello.woff2	200	emergexvaccines.com	38.5KB	65ms
linkid.js	200	google-analytics.com	697B	9ms
l?primer=7cdcb44be4a7d...	200	use.typekit.net	46.1KB	35ms
l?primer=7cdcb44be4a7d...	200	use.typekit.net	50.3KB	36ms
l?primer=7cdcb44be4a7d...	200	use.typekit.net	72.8KB	40ms
l?primer=7cdcb44be4a7d...	200	use.typekit.net	36.6KB	40ms
player.module.js	200	f.vimeocdn.com	138KB	73ms
vendor.module.js	200	f.vimeocdn.com	100KB	71ms
player.css	200	f.vimeocdn.com	21.6KB	63ms
p.gif?s=1&k=yse5xpa&ht...	200	p.typekit.net	35B	48ms
1286910064-c811d6b3e41...	200	i.vimeocdn.com	512B	39ms
favicon.ico	200	emergexvaccines.com	1.36KB	20ms
vuid.min.js	200	f.vimeocdn.com	985B	6ms
cast_sender.js?loadCastF...	200	gstatic.com	1.96KB	57ms
1286910064-c811d6b3e41...	200	i.vimeocdn.com	16.2KB	8ms
POST player-stats?beaco...	200	fresnel.vimeocdn.com	142B	111ms
POST vuid?pid=403ba9ac...	204	vimeo.com	1.17KB	146ms
cast_framework.js	200	gstatic.com	11.9KB	18ms
cast_sender.js	200	gstatic.com	15.0KB	8ms
<b>72 Requests</b>		<b>3.81MB (6.25MB Uncompressed)</b>		<b>4.1s (Onload 3.7s)</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>Much longer than recommended</p> <p><b>3.2s</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>3.3s</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>3.3s</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>Good - Nothing to do here</p> <p><b>0ms</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>Much longer than recommended</p> <p><b>3.5s</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>0.01</b></p>

### Browser Timings

Redirect	0ms	Connect	2.6s	Backend	201ms
TTFB	2.8s	First Paint	3.2s	DOM Int.	3.3s
DOM Loaded	3.4s	Onload	3.7s	Fully Loaded	4.1s





URL	TRANSFER SIZE	DOWNLOAD TIME
<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/grid.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/grid.css?ver=5.2</a>	10.9KB	635ms
<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/base.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/base.css?ver=5.2</a>	18.8KB	1.4s
<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/layout.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/layout.css?ver=5.2</a>	85.0KB	4.5s
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/blog/blog.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/blog/blog.css?ver=5.2</a>	21.5KB	1.6s
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/postslider/postslider.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/postslider/postslider.css?ver=5.2</a>	4.24KB	635ms
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/buttons/buttons.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/buttons/buttons.css?ver=5.2</a>	7.08KB	791ms
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/buttonrow/buttonrow.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/buttonrow/buttonrow.css?ver=5.2</a>	712B	479ms
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/comments/comments.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/comments/comments.css?ver=5.2</a>	5.75KB	791ms
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/contact/contact.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/contact/contact.css?ver=5.2</a>	13.1KB	1.1s
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/gallery/gallery.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/gallery/gallery.css?ver=5.2</a>	3.12KB	635ms
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/google_maps/google_maps.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/google_maps/google_maps.css?ver=5.2</a>	2.50KB	479ms
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/grid_row/grid_row.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/grid_row/grid_row.css?ver=5.2</a>	3.17KB	635ms
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<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/iconbox/iconbox.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/iconbox/iconbox.css?ver=5.2</a>	3.38KB	635ms
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/iconlist/iconlist.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/iconlist/iconlist.css?ver=5.2</a>	4.38KB	635ms
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<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/masonry_entries/masonry_entries.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/masonry_entries/masonry_entries.css?ver=5.2</a>	20.3KB	1.6s
<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/avia-snippet-site-preloader.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/avia-snippet-site-preloader.css?ver=5.2</a>	2.36KB	479ms
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<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/social_share/social_share.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/social_share/social_share.css?ver=5.2</a>	10.0KB	946ms
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/tabs/tabs.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/tabs/tabs.css?ver=5.2</a>	3.84KB	635ms
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<a href="https://emergxvaccines.com/wp-includes/css/dist/block-library/style.min.css?ver=6.0.7">https://emergxvaccines.com/wp-includes/css/dist/block-library/style.min.css?ver=6.0.7</a>	87.1KB	3.4s
<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/shortcodes.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/shortcodes.css?ver=5.2</a>	44.6KB	2.7s
<a href="https://emergxvaccines.com/wp-content/themes/enfold/js/aviapopup/magnific-popup.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/js/aviapopup/magnific-popup.css?ver=5.2</a>	7.02KB	791ms
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<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/avia-snippet-widget.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/avia-snippet-widget.css?ver=5.2</a>	23.7KB	1.7s
<a href="https://emergxvaccines.com/wp-includes/js/mediaelement/mediaelementplayer-legacy.min.css?ver=4.2.16">https://emergxvaccines.com/wp-includes/js/mediaelement/mediaelementplayer-legacy.min.css?ver=4.2.16</a>	11.2KB	946ms
<a href="https://emergxvaccines.com/wp-includes/js/mediaelement/wp-mediaelement.min.css?ver=6.0.7">https://emergxvaccines.com/wp-includes/js/mediaelement/wp-mediaelement.min.css?ver=6.0.7</a>	4.32KB	635ms
<a href="https://emergxvaccines.com/wp-content/uploads/dynamic_avia/enfold_child.css?ver=635196d5095ff">https://emergxvaccines.com/wp-content/uploads/dynamic_avia/enfold_child.css?ver=635196d5095ff</a>	136KB	3.3s
<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/custom.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/custom.css?ver=5.2</a>	947B	479ms
<a href="https://emergxvaccines.com/wp-content/themes/enfold-child/style.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold-child/style.css?ver=5.2</a>	1.16KB	479ms
<a href="https://emergxvaccines.com/wp-content/uploads/avia_posts_css/post-1483.css?ver=ver-1691419628">https://emergxvaccines.com/wp-content/uploads/avia_posts_css/post-1483.css?ver=ver-1691419628</a>	2.12KB	479ms
<a href="https://emergxvaccines.com/wp-includes/js/jquery/jquery.min.js?ver=3.6.0">https://emergxvaccines.com/wp-includes/js/jquery/jquery.min.js?ver=3.6.0</a>	87.7KB	2.5s
<a href="https://emergxvaccines.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.3.2">https://emergxvaccines.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.3.2</a>	11.2KB	946ms
<a href="https://emergxvaccines.com/wp-content/plugins/google-analytics-for-wordpress/assets/js/frontend-gtag.min.js?ver=8.10.0">https://emergxvaccines.com/wp-content/plugins/google-analytics-for-wordpress/assets/js/frontend-gtag.min.js?ver=8.10.0</a>	11.9KB	946ms

Low

Enable text compression  FCP  LCP

Potential savings of 848KB

Text-based resources should be served with compression (gzip, deflate or brotli) to minimize total network bytes.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
<a href="https://emergxvaccines.com/wp-content/uploads/dynamic_avia/avia-footer-scripts-c5f688bc30c840427f2a7dc4e98fa6---63519752c7dcd.js">https://emergxvaccines.com/wp-content/uploads/dynamic_avia/avia-footer-scripts-c5f688bc30c840427f2a7dc4e98fa6---63519752c7dcd.js</a>	191KB	137KB
<a href="https://emergxvaccines.com/wp-content/uploads/dynamic_avia/enfold_child.css?ver=635196d5095ff">https://emergxvaccines.com/wp-content/uploads/dynamic_avia/enfold_child.css?ver=635196d5095ff</a>	136KB	120KB
<a href="https://emergxvaccines.com/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.16">https://emergxvaccines.com/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.16</a>	154KB	116KB
<a href="https://emergxvaccines.com/wp-includes/css/dist/block-library/style.min.css?ver=6.0.7">https://emergxvaccines.com/wp-includes/css/dist/block-library/style.min.css?ver=6.0.7</a>	86.8KB	75.4KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/layout.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/layout.css?ver=5.2</a>	84.8KB	69.1KB
<a href="https://emergxvaccines.com/wp-includes/js/jquery/jquery.min.js?ver=3.6.0">https://emergxvaccines.com/wp-includes/js/jquery/jquery.min.js?ver=3.6.0</a>	87.4KB	57.2KB
<a href="https://emergxvaccines.com/">https://emergxvaccines.com/</a>	71.4KB	56.7KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/shortcodes.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/shortcodes.css?ver=5.2</a>	44.3KB	36.2KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/avia-snippet-widget.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/avia-snippet-widget.css?ver=5.2</a>	23.4KB	18.5KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/blog/blog.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/blog/blog.css?ver=5.2</a>	21.3KB	17.2KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/masonry_entries/masonry_entries.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/masonry_entries/masonry_entries.css?ver=5.2</a>	20.1KB	16.6KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/base.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/base.css?ver=5.2</a>	18.6KB	13.3KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/slideshow/slideshow.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/slideshow/slideshow.css?ver=5.2</a>	13.4KB	10.3KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/contact/contact.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/contact/contact.css?ver=5.2</a>	12.9KB	10.1KB
<a href="https://emergxvaccines.com/wp-includes/js/mediaelement/mediaelementplayer-legacy.min.css?ver=4.2.16">https://emergxvaccines.com/wp-includes/js/mediaelement/mediaelementplayer-legacy.min.css?ver=4.2.16</a>	11.0KB	8.46KB
<a href="https://emergxvaccines.com/wp-content/plugins/google-analytics-for-wordpress/assets/js/frontend-gtag.min.js?ver=8.10.0">https://emergxvaccines.com/wp-content/plugins/google-analytics-for-wordpress/assets/js/frontend-gtag.min.js?ver=8.10.0</a>	11.6KB	8.45KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/social_share/social_share.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/social_share/social_share.css?ver=5.2</a>	9.73KB	8.41KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/grid.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/grid.css?ver=5.2</a>	10.7KB	8.29KB
<a href="https://emergxvaccines.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.3.2">https://emergxvaccines.com/wp-includes/js/jquery/jquery-migrate.min.js?ver=3.3.2</a>	11.0KB	6.89KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/image/image.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/image/image.css?ver=5.2</a>	7.23KB	5.73KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/buttons/buttons.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/buttons/buttons.css?ver=5.2</a>	6.85KB	5.38KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/js/aviapopup/magnific-popup.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/js/aviapopup/magnific-popup.css?ver=5.2</a>	6.79KB	5.01KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/comments/comments.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/comments/comments.css?ver=5.2</a>	5.51KB	3.89KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/toggles/toggles.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/toggles/toggles.css?ver=5.2</a>	4.90KB	3.58KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/heading/heading.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/heading/heading.css?ver=5.2</a>	4.64KB	3.55KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/iconlist/iconlist.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/iconlist/iconlist.css?ver=5.2</a>	4.15KB	2.98KB
<a href="https://emergxvaccines.com/wp-includes/js/mediaelement/wp-mediaelement.min.css?ver=6.0.7">https://emergxvaccines.com/wp-includes/js/mediaelement/wp-mediaelement.min.css?ver=6.0.7</a>	4.09KB	2.96KB
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<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/avia-snippet-site-preloader.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/avia-snippet-site-preloader.css?ver=5.2</a>	2.13KB	1.40KB

Low

Use HTTP/2 for all resources

Potential savings of 60ms

HTTP/2 offers many benefits over HTTP/1.1, including binary headers and multiplexing.



URL

PROTOCOL

<a href="https://emergxvaccines.com/">https://emergxvaccines.com/</a>	http/1.1
<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/grid.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/grid.css?ver=5.2</a>	http/1.1
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<a href="https://emergxvaccines.com/favicon.ico">https://emergxvaccines.com/favicon.ico</a>	http/1.1



URL	TOTAL CPU TIME	SCRIPT EVALUATION	SCRIPT PARSE
• <a href="https://emergxvaccines.com/">https://emergxvaccines.com/</a>	235ms	20ms	4ms
• Unattributable	125ms	13ms	0ms
• <a href="https://emergxvaccines.com/wp-includes/js/jquery/jquery.min.js?ver=3.6.0">https://emergxvaccines.com/wp-includes/js/jquery/jquery.min.js?ver=3.6.0</a>	81ms	59ms	1ms

Low

**Reduce unused CSS** FCP LCP

Potential savings of 434KB

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
• <a href="https://emergxvaccines.com/wp-content/uploads/dynamic_avia/enfold_child.css?ver=635196d5095ff">https://emergxvaccines.com/wp-content/uploads/dynamic_avia/enfold_child.css?ver=635196d5095ff</a>	136KB	109KB
• <a href="https://emergxvaccines.com/wp-includes/css/dist/block-library/style.min.css?ver=6.0.7">https://emergxvaccines.com/wp-includes/css/dist/block-library/style.min.css?ver=6.0.7</a>	87.1KB	86.9KB
• <a href="https://emergxvaccines.com/wp-content/themes/enfold/css/layout.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/layout.css?ver=5.2</a>	85.0KB	78.8KB
• <a href="https://emergxvaccines.com/wp-content/themes/enfold/css/shortcodes.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/shortcodes.css?ver=5.2</a>	44.6KB	43.4KB
• <a href="https://emergxvaccines.com/wp-content/themes/enfold/css/avia-snippet-widget.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/avia-snippet-widget.css?ver=5.2</a>	23.7KB	23.3KB
• <a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/masonry_entries/masonry_entries.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/masonry_entries/masonry_entries.css?ver=5.2</a>	20.3KB	20.3KB
• <a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/blog/blog.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/blog/blog.css?ver=5.2</a>	21.5KB	18.4KB
• <a href="https://emergxvaccines.com/wp-content/themes/enfold/css/base.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/base.css?ver=5.2</a>	18.8KB	15.5KB
• <a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/slideshow/slideshow.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/slideshow/slideshow.css?ver=5.2</a>	13.6KB	13.6KB
• <a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/contact/contact.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/contact/contact.css?ver=5.2</a>	13.1KB	13.1KB
• <a href="https://emergxvaccines.com/wp-includes/js/mediaelement/mediaelementplayer-legacy.min.css?ver=4.2.16">https://emergxvaccines.com/wp-includes/js/mediaelement/mediaelementplayer-legacy.min.css?ver=4.2.16</a>	11.2KB	11.2KB

Low

**Serve images in next-gen formats**

Potential savings of 1.94MB

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://emergxvaccines.com/wp-content/uploads/2022/06/emergexinner1.png">https://emergxvaccines.com/wp-content/uploads/2022/06/emergexinner1.png</a>	1.27MB	1.21MB
<a href="https://emergxvaccines.com/wp-content/uploads/2022/06/emergexinner1a.png">https://emergxvaccines.com/wp-content/uploads/2022/06/emergexinner1a.png</a>	452KB	411KB
<a href="https://emergxvaccines.com/wp-content/uploads/2022/06/emergexinner1b.png">https://emergxvaccines.com/wp-content/uploads/2022/06/emergexinner1b.png</a>	362KB	335KB

Low

**Reduce initial server response time** FCP LCP

Root document took 201ms

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

URL	TIME SPENT
• <a href="https://emergxvaccines.com/">https://emergxvaccines.com/</a>	201ms

Low

**Minify CSS** FCP LCP

Potential savings of 56.8KB

Minifying CSS files can reduce network payload sizes.

URL	TRANSFER SIZE	POTENTIAL SAVINGS
<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/layout.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/layout.css?ver=5.2</a>	85.0KB	14.6KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/shortcodes.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/shortcodes.css?ver=5.2</a>	44.6KB	12.3KB
<a href="https://emergxvaccines.com/wp-content/uploads/dynamic_avia/enfold_child.css?ver=635196d5095ff">https://emergxvaccines.com/wp-content/uploads/dynamic_avia/enfold_child.css?ver=635196d5095ff</a>	136KB	9.8KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/base.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/base.css?ver=5.2</a>	18.8KB	3.86KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/avia-snippet-widget.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/avia-snippet-widget.css?ver=5.2</a>	23.7KB	3.70KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/masonry_entries/masonry_entries.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/masonry_entries/masonry_entries.css?ver=5.2</a>	20.3KB	3.47KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/blog/blog.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/blog/blog.css?ver=5.2</a>	21.5KB	3.35KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/css/grid.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/css/grid.css?ver=5.2</a>	10.9KB	3.34KB
<a href="https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/slideshow/slideshow.css?ver=5.2">https://emergxvaccines.com/wp-content/themes/enfold/config-templatebuilder/avia-shortcodes/slideshow/slideshow.css?ver=5.2</a>	13.6KB	2.41KB

Low

**Minify JavaScript** FCP LCP

Potential savings of 2.08KB

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

URL	TRANSFER SIZE	POTENTIAL SAVINGS
<code>inline: var mi_version = '8.10.0'; var...</code>	5.53KB	2.08KB

Low

**Reduce unused JavaScript** LCP

Potential savings of 335KB

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

URL	TRANSFER SIZE	POTENTIAL SAVINGS
<a href="https://emergxvaccines.com/wp-content/uploads/dynamic_avia/avia-footer-scripts-c5f688bc30c840427f2a7dc4e98fa6--63519752c7dcd.js">https://emergxvaccines.com/wp-content/uploads/dynamic_avia/avia-footer-scripts-c5f688bc30c840427f2a7dc4e98fa6--63519752c7dcd.js</a>	191KB	136KB
<a href="https://emergxvaccines.com/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.16">https://emergxvaccines.com/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.16</a>	154KB	126KB
<a href="https://emergxvaccines.com/wp-includes/js/jquery/jquery.min.js?ver=3.6.0">https://emergxvaccines.com/wp-includes/js/jquery/jquery.min.js?ver=3.6.0</a>	87.7KB	39.9KB
<a href="https://www.googletagmanager.com/gtag/js?id=UA-27041979-1">https://www.googletagmanager.com/gtag/js?id=UA-27041979-1</a>	66.7KB	33.1KB

N/A

**Largest Contentful Paint element** LCP

3,450 ms

This is the largest contentful element painted within the viewport.

ELEMENT

```
body#top > div#wrap_all > div#main > div#banner
<div id="banner" class="avia-section av-1p5w4b-c5a7e532cb93164a460261f8f7543c1e main_color avia-se..." data-section-bg-repeat="stretch">
```

PHASE	% OF LCP	TIMING
TTFB	82%	2.8s
Load Delay	9%	316ms
Load Time	2%	52ms
Render Delay	7%	241ms

N/A

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

Potential savings of 25.0KB

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
<a href="https://emergxvaccines.com/wp-content/uploads/dynamic_avia/avia-footer-scripts-c5f688bcaf30c840427f2a7dc4e98fa6--63519752c7dcd.js">https://emergxvaccines.com/wp-content/uploads/dynamic_avia/avia-footer-scripts-c5f688bcaf30c840427f2a7dc4e98fa6--63519752c7dcd.js</a> Line:0 Column:16	24.8KB
<a href="https://emergxvaccines.com/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.16">https://emergxvaccines.com/wp-includes/js/mediaelement/mediaelement-and-player.min.js?ver=4.2.16</a> Line:11 Column:12531	218B

Array.isArray

@babel/plugin-transform-classes

N/A

**Avoid large layout shifts** CLS

3 elements found

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

ELEMENT	CLS CONTRIBUTION
About Us Technology Pipeline Media Centre Careers Contact Us <div class="avia-menu av-main-nav-wrap">	0.00
Developing T cell-priming immune set-point candidates against viral and bacteri... <strong>	0.00
Introducing Emergex <strong>	0.00

N/A

**Minimize main-thread work** TBT

Main-thread busy for 605ms

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

CATEGORY	TIME SPENT
Other	184ms
Script Evaluation	182ms
Style & Layout	157ms
Parse HTML & CSS	50ms
Script Parsing & Compilation	21ms
Rendering	8ms

N/A

**Reduce the impact of third-party code** TBT

Total size was 623KB

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.

