

The Hidden Costs of Digital Health Services: Research Annex

Methodology

CIS examined the network activity of several mobile and web applications during their regular use.

For this analysis, the apps and websites that were chosen are freely available and could be used and accessed with only an email address. For applications that required a phone number at a later stage (example, when an order is placed), the analysis is limited to the part of the app that does not require login with a phone number to comply with local laws. For this reason, most of the analysis was conducted on medical and health related websites and applications.

For web applications, the process of examining network activity is fairly straightforward: the requests and responses made over the Hypertext Transfer Protocol (HTTP) protocol while loading and navigating a website are made readily available by HTTP clients (such as web browsers like Chrome and Firefox).

For mobile applications, where HTTP clients are embedded in applications that are under the control of the application provider and not directly accessible, this process is slightly more involved. For this, CIS used Privacy International's [data interception environment](#), which provides a preconfigured setup to conduct such analysis.

Once the interception of network activity was set up, CIS analysed each network interaction of the application individually, documenting the data being sent to entities that are classified as known trackers. CIS relied on Firefox's Tracking Protection functionality (powered by [disconnect.me](#)) to categorise entities as trackers for web applications, and used [exodus](#) for mobile applications.

Limitations

The methodology has the following limitations:

- **“Server to server” data transfers are not covered:** This methodology can only detect a subset of the data potentially shared with and between advertisers – data directly sent out from the user's device by SDKs (software development kits) and tracking pixels embedded in the app or website. A [report](#) by The Markup suggests that following a crackdown on such data sharing by app stores, apps have moved to sharing data “behind the scenes” directly between web servers rather than from the user's device.

- **Data obfuscation:** Some of the HTTP requests to known trackers were either encoded or encrypted in a format we were unable to decipher. This obfuscated text could potentially contain private information that this analysis could not detect.
- **Niche functionality** on apps and websites that end-users do not directly interact with is excluded from the analysis.

Findings

1. Apollo Clinic

Apollo Clinic is an Indian private healthcare provider for consultation, diagnostics and health checks.

1.1 Name and version of the App

Website: <https://www.apolloclinic.com>

Date of analysis: January 2023

1.2 Trackers

(Identified by Firefox)

https://www.googleadservices.com	https://connect.facebook.net
https://googleads.g.doubleclick.net	https://www.clarity.ms
https://www.google-analytics.com	https://snap.lidn.com
https://stats.g.doubleclick.net	https://px.ads.linkedin.com
https://h.clarity.ms	https://www.facebook.com
https://www.linkedin.com	https://c.clarity.ms

1.3 Permissions requested

- Location

1.4 Data collection consent banner

No consent banner is displayed.

There is a privacy policy¹, but most pages (including the home page) do not link to it. The “Health Check Packages” page has a link to the policy.

1.5 Main domain to where the data is sent

- <https://www.apolloclinic.com>

¹ <https://www.apolloclinic.com/health-check-packages/privacy-policy-2/>

1.6 Domains to which advertising ID is sent.

N/A

1.7 Unexpected data sharing

Feature: **Health Check Packages**

The Health Check Packages page allows users to purchase health checkups. Packages are available for specific demographics (such as an over-40 package) and specific conditions (diabetes, heart conditions, etc.)

The screenshot shows the Apollo Clinic website interface. At the top left is the Apollo Clinic logo with the tagline 'Expertise. Closer to you.' To the right is a search bar with 'Search...' and a dropdown menu for 'All Categories'. A shopping cart icon with a '0' is in the top right. Below the header is a navigation bar with links: Home, All Packages, Apollo Health Checks, Super Checks, Health@Home, and Contact us. The main content area features a 'SUPER PACKS' banner for the 'Advanced Heart Check'. To the right, the package details are shown: 'APOLLO ADVANCED HEART CHECK' for ₹36,000. A form contains fields for 'Enter Your Name', 'BENGALURU', '--SELECT GENDER--', '--SELECT CLINIC--', '--SELECT DATE--' (with a calendar icon), and 'Mobile Number'. A note states '12 hours of fasting is mandatory.' and a 'Book Package' button is at the bottom. Below the banner, it says 'Recommended To: Age >35 years for all'. A detailed description of the package follows, mentioning it includes routine general health checks, advanced heart-related tests, and a 320/64 Slice CT Coronary Angiogram.

The page URL, which includes the **name of the health check** being viewed by a user is shared with the following third-parties:

- px.ads.linkedin.com
- google-analytics.com
- facebook.com

A **textual description** of the health check being viewed is shared with the following third-parties:

- google-analytics.com
- facebook.com

Additional **sale details**, such as the price, availability, currency, seller name and promotional image of the health check are sent to the following entities:

- facebook.com

On the checkout page, where the health check package is purchased, the page URL is shared with the following entities. This allows them to **infer which health check was purchased**:

- px.ads.linkedin.com
- google-analytics.com
- facebook.com

<pre>https://px.ads.linkedin.com/collect?v=2&fmt=js&pid=3406884&time=1674630917557&url=https%3A%2F%2Fwww.apolloclinic.com%2Fhealth-check-packages%2Fproduct%2Fhealth-at-home-diabetic-screen-basic%2F</pre>
<pre>https://www.google-analytics.com/j/collect?v=1&_v=j99&a=1981637408&t=pageview&_s=1&dl=https://www.apolloclinic.com/health-check-packages/product/health-at-home-diabetic-screen-basic/&ul=en-us&de=UTF-8&dt=Health At Home Diabetic Screen Basic - Apollo Clinic&sd=30-bit&sr=1680x1050&vp=1351x1300&je=0&_u=QACAAEABAAAACAIAI~&jid=&gjid=&cid=1323945317.1672656942&tid=UA-38278756-4&_gid=1719584818.1674628314&_slc=1&gtm=2wg1n0585XMHK&z=1553855431</pre>
<pre>https://www.facebook.com/tr/?id=688029259303878&ev=PageView&dl=https://www.apolloclinic.com/health-check-packages/product/health-at-home-diabetic-screen-basic/&rl=https://www.apolloclinic.com/health-check-packages/&if=false&ts=1674630917740&sw=1680&sh=1050&v=2.9.94&r=stable&a=tmSimo-GTM-WebTemplate&ec=0&o=30&fbp=fb.1.1672656944177.1381255959&it=1674630917512&coo=false&tm=1&rqm=GET</pre>
<p>Request body for a request to facebook.com (irrelevant parts of the request body omitted for brevity):</p> <pre>-----901018798756236774290077869 Content-Disposition: form-data; name="cd[JSON-LD]" [{"@context":"https://schema.org/","@type":"Product","@id":"https://www.apolloclinic.com/health-check-packages/product/health-at-home-diabetic-screen-basic/","name":"Health At Home Diabetic Screen Basic","image":"https://www.apolloclinic.com/health-check-packages/wp-content/uploads/diabetic_screen.jpg","description":"Recommended To:Primary screening for Diabetes","sku":"","offers":[{"@type":"Offer","price":"1080","priceSpecification":{"price":"1080","priceCurrency":"INR","valueAddedTaxIncluded":"false"},"priceCurrency"</pre>

: "INR", "availability": "https://schema.org/InStock", "url": "https://www.apolloclinic.com/health-check-packages/product/health-at-home-diabetic-screen-basic/", "seller": {"@type": "Organization", "name": "Apollo Clinic", "url": "https://www.apolloclinic.com/health-check-packages"}]]]
-----901018798756236774290077869
Content-Disposition: form-data; name="sw"

https://www.google-analytics.com/j/collect?v=1&_v=j99&a=382459728&t=pageview&_s=1&dl=https%3A%2F%2Fwww.apolloclinic.com%2Fhealth-check-packages%2Fcheckout%2F&ul=en-us&de=UTF-8&dt=Checkout%20-%20Apollo%20Clinic&sd=30-bit&sr=1680x1050&vp=1351x1878&je=0&_u=QACAAEABAAAAACAAI~&jid=453920764&gjid=1811208958&cid=1323945317.1672656942&tid=UA-38278756-4&_gid=1719584818.1674628314&_r=1&_slc=1>m=2wg1n0585XMHK&z=965572666

<https://px.ads.linkedin.com/collect?v=2&fmt=js&pid=3406884&time=1674631913032&url=https://www.apolloclinic.com/health-check-packages/checkout/>

<https://www.facebook.com/tr/?id=688029259303878&ev=PageView&dl=https://www.apolloclinic.com/health-check-packages/checkout/&rl=https://www.apolloclinic.com/health-check-packages/cart/&if=false&ts=1674631913460&sw=1680&sh=1050&v=2.9.94&r=stable&a=tmSimo-GTM-WebTemplate&ec=0&o=30&fbp=fb.1.1672656944177.1381255959&it=1674631912964&coo=false&tm=1&rqm=GET>

Feature: **Find a Symptom**

The Find a Symptom page shows users a list of symptoms along with their descriptions.

Apollo Clinic
Expertise. Closer to you.

1860-500-7788 | Request A Call | Book an Appt | Clinic Locator | Sample Collection

Home > For Patients > Find A Symptom

Symptoms

All **A B C D E F G H I J K L M N O P Q R S T U V W X Y Z**

Abdominal Pain

Having occasional mild to moderate abdominal pain is a common and normal occurrence. It is an uncomfortable experience that almost everyone experiences from time to time. But, for some people, this pain can become agonizing, due to its frequency and/or severity. Symptoms of abdominal pain may vary from person to person, however, some common symptoms may include- inability to pass stools, vomiting, tenderness in the abdomen, bloating, belching, indigestion, diarrhoea, constipation, heartburn, pelvic discomfort, loss of appetite, painful or frequent urination, signs of dehydration and chest discomfort. Apart from these, if you experience- blood in bowel movement, unintended weight loss, pale skin, swelling of the abdomen, persistent nausea or vomiting, vomiting blood, trouble breathing; along with severe pain in the abdomen, you must seek immediate medical care.

Acidity

Acidity is a term used for a set of symptoms caused by excess production of acid by the gastric glands of the stomach.

Acne

Acne is a common skin condition that causes spots, oily skin and sometimes skin that feels hot or sore/painful to touch.

Allergy

Allergies are a number of conditions caused by hypersensitivity of the immune system to something in the environment that usually causes little or no problem in most people. These diseases include hay fever, food allergies, atopic dermatitis, allergic asthma and anaphylaxis.

Ankle Pain

Ankle pain refers to any type of pain or discomfort in the ankles. This pain could be caused by an injury e.g. sprain or by a medical condition such as arthritis.

Anxiety

Anxiety is a general term for several disorders that cause nervousness, fear, apprehension and worry. These disorders affect how we feel and behave. They can at times manifest into real physical symptoms.

Click Here for **FREE** Oral Screening

Book An Appointment

We Are Here!

When a symptom is chosen, it shows a detailed description of the symptom and, in some cases, a list of doctors who can treat the condition.

The page URL, which includes the **name of the selected symptom** is shared with following entities:

- googleads.g.doubleclick.net
- google.com/pagead
- google-analytics.com
- px.ads.linkedin.com
- facebook.com

A **short textual description of the selected symptom** is shared with the following entities:

- googleads.g.doubleclick.net
- google.com/pagead
- google-analytics.com
- facebook.com

A long textual description related to the symptom are shared with the following entities:

- facebook.com

https://googleads.g.doubleclick.net/pagead/viewthroughconversion/877214939/?random=1674640400968&cv=9&fst=1674640400968&num=1&guid=ON&resp=GooglemKTybQhCs0&eid=375603260&u_h=1050&u_w=1680&u_ah=1025&u_aw=1680&u_cd=30&u_his=4&u_tz=330&u_java=false&u_nplug=5&u_nmime=2&sendb=1&ig=1&frm=0&url=https://www.apolloclinic.com/for-patients/find-a-symptom/chest-pain&ref=https://www.apolloclinic.com/for-patients/find-a-symptom&tiba=Chest pain: Causes, Symptoms, Treatment&hn=www.googleadservices.com&rfmt=3&fmt=4

https://www.google-analytics.com/j/collect?v=1&_v=j99&a=380679616&t=pageview&_s=1&dl=https://www.apolloclinic.com/for-patients/find-a-symptom/chest-pain&ul=en-us&de=UTF-8&dt=Chest pain: Causes, Symptoms, Treatment&sd=30-bit&sr=1680x1050&vp=1351x543&je=0&_u=QACAAEABAAAAACAAI~&jid=&gjid=&cid=589362725.1674639997&tid=UA-38278756-4&_gid=205296648.1674640094&_slc=1>m=2wg1n0585XMHK&z=1871996380

https://www.google.com/pagead/1p-user-list/877214939/?random=1674640400968&random=3941554105&cv=9&fst=1674637200000&num=1&guid=ON&eid=375603260&u_h=1050&u_w=1680&u_ah=1025&u_aw=1680&u_cd=30&u_his=4&u_tz=330&u_java=false&u_nplug=5&u_nmime=2&sendb=1&frm=0&url=https://www.apolloclinic.com/for-patients/find-a-symptom/chest-pain&ref=https://www.apolloclinic.com/for-patients/find-a-symptom&tiba=Chest pain: Causes, Symptoms, Treatment&fmt=3&is_vtc=1&resp=GooglemKTybQhCs0&rmt_tld=0&ipr=y

<https://px.ads.linkedin.com/collect?v=2&fmt=js&pid=3406884&time=1674640402277&url=https://www.apolloclinic.com/for-patients/find-a-symptom/chest-pain>

Request body for a request to facebook.com (irrelevant parts of the request body omitted for brevity):

<https://www.apolloclinic.com/for-patients/find-a-symptom/chest-pain>
-----144558032622701184211668835530

```
Content-Disposition: form-data; name="r1"
```

```
{"title":"Chest pain: Causes, Symptoms, Treatment", "meta:keywords":"Chest pain ", "meta:description":"Chest pain can either be a major issue or can be solved by few therapies. Visit the nearest Apollo Clinic before negleting even the lightest chest pain as it can lead to major problems in future."}
```

```
-----144558032622701184211668835530
```

```
Content-Disposition: form-data; name="cd[OpenGraph]"
```

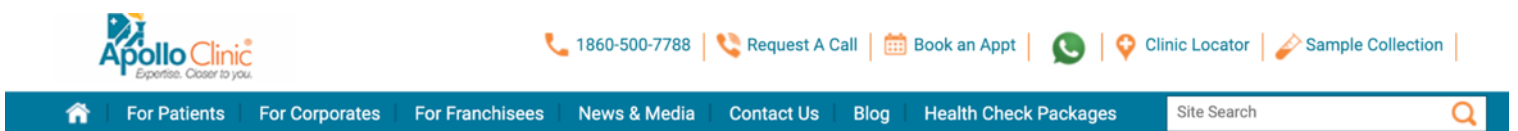
```
[{"dimensions":{"h":38,"w":1160},"properties":{},"subscopes":[{"dimensions":{"h":20,"w":38},"properties":{"item":"https://www.apolloclinic.com/","name":"Home","position":"1"},"subscopes":[],"type":"http://schema.org/ListItem"}, {"dimensions":{"h":20,"w":92},"properties":{"item":"https://www.apolloclinic.com/for-patients","name":"For Patients","position":"1"},"subscopes":[],"type":"http://schema.org/ListItem"}, {"dimensions":{"h":20,"w":120},"properties":{"item":"https://www.apolloclinic.com/for-patients/find-a-symptom","name":"Find A Symptom","position":"1"},"subscopes":[],"type":"http://schema.org/ListItem"}, {"dimensions":{"h":20,"w":84},"properties":{"name":"Chest Pain","position":"1"},"subscopes":[],"type":"https://schema.org/ListItem"}], "type":"http://schema.org/BreadcrumbList"}]
```

```
-----144558032622701184211668835530
```

```
Content-Disposition: form-data; name="cd[JSON-LD]"
```

Feature: **Find a Doctor**

The Find a Doctor page allows the user to search for a doctor by name, location and speciality.



Home > For Patients > Find A Doctor

Find a Doctor

By Location By name By Specialization

Anaesthesiology

Book an Appointment

First Name	Last Name
Email	Phone No.
DOB	Select Gender

The page URL, which includes the **name of the doctor selected**, the **doctor's speciality** and the **city the doctor serves** is shared with the following entities:

- googleads.g.doubleclick.net
- google.com/pagead
- google-analytics.com
- px.ads.linkedin.com
- facebook.com

[https://googleads.g.doubleclick.net/pagead/viewthroughconversion/877214939/?random=1674641549862&cv=9&fst=1674641549862&num=1&guid=ON&resp=GooglemKTybQhCs0&eid=375603260&u_h=1050&u_w=1680&u_ah=1025&u_aw=1680&u_cd=30&u_his=4&u_tz=330&u_java=false&u_nplug=5&u_nmime=2&sendb=1&ig=1&frm=0&url=https://www.apolloclinic.com/find-a-doctor/**best-internal-medicine-in-port-blair-andaman-and-nicobar/dr-bl-avinash**&ref=https://www.apolloclinic.com/for-patients/find-a-doctor&tiba=**Dr. Bl Avinash Best Internal Medicine in Port Blair, Port Blair**&hn=www.googleadservices.com&rfmt=3&fmt=4](https://googleads.g.doubleclick.net/pagead/viewthroughconversion/877214939/?random=1674641549862&cv=9&fst=1674641549862&num=1&guid=ON&resp=GooglemKTybQhCs0&eid=375603260&u_h=1050&u_w=1680&u_ah=1025&u_aw=1680&u_cd=30&u_his=4&u_tz=330&u_java=false&u_nplug=5&u_nmime=2&sendb=1&ig=1&frm=0&url=https://www.apolloclinic.com/find-a-doctor/best-internal-medicine-in-port-blair-andaman-and-nicobar/dr-bl-avinash&ref=https://www.apolloclinic.com/for-patients/find-a-doctor&tiba=Dr. Bl Avinash Best Internal Medicine in Port Blair, Port Blair&hn=www.googleadservices.com&rfmt=3&fmt=4)

[https://www.google-analytics.com/j/collect?v=1&_v=j99&a=1984917860&t=pageview&_s=1&dl=https://www.apolloclinic.com/find-a-doctor/**best-internal-medicine-in-port-blair-andaman-and-nicobar/dr-bl-avinash**&ul=en-us&de=UTF-8&dt=**Dr. Bl Avinash Best Internal Medicine in Port Blair, Port Blair**&sd=30-bit&sr=1680x1050&vp=1351x543&je=0&_u=YADAAEABAAAACAAl~&jid=881354714&gjid=1620957106&cid=1942633967.1674641436&tid=UA-38278756-4&_gid=377679122.1674641551&_r=1&_slc=1>m=2wg1n0585XMHK&z=50968144](https://www.google-analytics.com/j/collect?v=1&_v=j99&a=1984917860&t=pageview&_s=1&dl=https://www.apolloclinic.com/find-a-doctor/best-internal-medicine-in-port-blair-andaman-and-nicobar/dr-bl-avinash&ul=en-us&de=UTF-8&dt=Dr. Bl Avinash Best Internal Medicine in Port Blair, Port Blair&sd=30-bit&sr=1680x1050&vp=1351x543&je=0&_u=YADAAEABAAAACAAl~&jid=881354714&gjid=1620957106&cid=1942633967.1674641436&tid=UA-38278756-4&_gid=377679122.1674641551&_r=1&_slc=1>m=2wg1n0585XMHK&z=50968144)

[https://www.google.com/pagead/1p-user-list/877214939/?random=1674641549862&random=1092112737&cv=9&fst=1674640800000&num=1&guid=ON&eid=375603260&u_h=1050&u_w=1680&u_ah=1025&u_aw=1680&u_cd=30&u_his=4&u_tz=330&u_java=false&u_nplug=5&u_nmime=2&sendb=1&frm=0&url=https://www.apolloclinic.com/find-a-doctor/**best-internal-medicine-in-port-blair-andaman-and-nicobar/dr-bl-avinash**&ref=https://www.apolloclinic.com/for-patients/find-a-doctor&tiba=**Dr. Bl Avinash Best Internal Medicine in Port Blair, Port Blair**&fmt=3&is_vtc=1&resp=GooglemKTybQhCs0&rmt_tld=0&ipr=y](https://www.google.com/pagead/1p-user-list/877214939/?random=1674641549862&random=1092112737&cv=9&fst=1674640800000&num=1&guid=ON&eid=375603260&u_h=1050&u_w=1680&u_ah=1025&u_aw=1680&u_cd=30&u_his=4&u_tz=330&u_java=false&u_nplug=5&u_nmime=2&sendb=1&frm=0&url=https://www.apolloclinic.com/find-a-doctor/best-internal-medicine-in-port-blair-andaman-and-nicobar/dr-bl-avinash&ref=https://www.apolloclinic.com/for-patients/find-a-doctor&tiba=Dr. Bl Avinash Best Internal Medicine in Port Blair, Port Blair&fmt=3&is_vtc=1&resp=GooglemKTybQhCs0&rmt_tld=0&ipr=y)

<https://px.ads.linkedin.com/collect?v=2&fmt=js&pid=3406884&time=1674641551133&url=https://www.apolloclinic.com/find-a-doctor/best-internal-medicine-in-port-blair-andaman-and-nicobar/dr-bl-avinash>

<https://www.facebook.com/tr/?id=1825232087797311&ev=PageView&dl=https://www.apolloclinic.com/find-a-doctor/best-internal-medicine-in-port-blair-andaman-and-nicobar/dr-bl-avinash&rl=https://www.apolloclinic.com/for-patients/find-a-doctor&if=false&ts=1674641551560&sw=1680&sh=1050&v=2.9.94&r=stable&ec=0&o=30&it=1674641550981&coo=false&rqm=GET>

https://www.google-analytics.com/collect?v=1&_v=j99&a=1984917860&t=event&ni=1&_s=2&dl=https://www.apolloclinic.com/find-a-doctor/best-internal-medicine-in-port-blair-andaman-and-nicobar/dr-bl-avinash&ul=en-us&de=UTF-8&dt=Dr. Bl Avinash Best Internal Medicine in Port Blair, Port Blair&sd=30-bit&sr=1680x1050&vp=1351x543&je=0&ec=Clarity&ea=zn880a&_u=aDDAAEABAAAACAAl~&jid=&gjid=&cid=1942633967.1674641436&tid=UA-38278756-4&_gid=377679122.1674641551>m=2wg1n0585XMHK&cd1=https://clarity.microsoft.com/ga/bsmucb69ox/q52ztq/zn880a&z=1241458725

Miscellaneous findings

There were also several requests to Microsoft Clarity² ('clarity.ms') containing some undecipherable numbers.

Many requests to third parties also included referrer information, allowing them to infer how a user navigates between various pages within the website.

2. Healthify

Healthify is a weight loss application based in India.

2.1 Name and version of the App

App: HealthifyMe – Calorie Counter

Version: v19.1.1

² <https://clarity.microsoft.com/>

2.2 Trackers

AppsFlyer - analytics	Branch - analytics
CleverTap - analytics, profiling, location	Facebook Analytics- analytics
Facebook Login - identification	Facebook Share
Google AdMob - advertisement	Google CrashLytics - crash reporting
Google Firebase Analytics - analytics	New Relic - analytics
Segment - analytics, profiling	

Source: <https://reports.exodus-privacy.eu.org/en/reports/323885/>

2.3 Permissions requested

This app requests 36 permissions, including location, bluetooth, contacts and the ability to read files on the device storage.

Source: <https://reports.exodus-privacy.eu.org/en/reports/323885/>

2.4 Data collection consent banner

While signing up users are required to agree with the privacy policy.

2.5 Main domain to where the data is sent

- <https://api.healthifyme.com>

2.6 Domains to which advertising ID is sent.

- <https://api2.branch.io/v1/install> - Google advertising ID and hardware ID
- <https://graph.facebook.com/> - Google advertising ID
- <https://app-measurement.com> - Google advertising ID

2.7 Unexpected data sharing

Feature: **User sign up**

Any Medical Condition we should be aware of?

This info will help us guide you to your fitness goals safely and quickly.

None

Diabetes Pre-Diabetes Cholesterol

Hypertension PCOS Thyroid

Physical Injury Excessive stress/anxiety

Sleep issues Depression

Anger issues Loneliness

Relationship stress

< BACK

NEXT >

During sign-up, private information and demographic information such as **email address, name, age, gender, weight and medical conditions** is shared with:

- *eu1.clevertap-prod.com*
- *Zp81luk4-android.mobile-messenger.intercom.com*

Additionally, the user's **email address, name, age, gender and weight** is shared with this domain:

- *app-measurement.com*

```
https://api2.branch.io/v1/install
```

Request body (irrelevant parts omitted):

```
{
  "advertising_ids": {
    "aaaid": "0f275e04-7515-42fd-8d2b-7d41b66cddcf"
  },
  "app_version": "v19.1.1",
  "branch_key": "key_live_ffuh25xyXJ6eh377CMydYbhowwjwjcF6",
  "brand": "Genymobile",
  "build": "vbox86p-userdebug 10 QQ1D.200105.002 475 test-keys",
  "cd": {
```

```
"mv": "-1",
"pn": "com.healthifyme.basic"
},
"connection_type": "wifi",
"country": "US",
"cpu_type": "i686",
"debug": false,
"device_carrier": "Android",
"environment": "FULL_APP",
"facebook_app_link_checked": false,
"first_install_time": 1673246104862,
"google_advertising_id": "0f275e04-7515-42fd-8d2b-
7d41b66cddcf",
"hardware_id": "ef0fb0d8186860b4",
"instrumentation": {
"v1/install-qwt": "0"
},
}
```

<https://graph.facebook.com/v13.0/513519302005425/activities>

```
format:                json
sdk:                   android
custom_events:
  [{"_eventName": "signup_success", "_eventName_md5": "eb3358aa19eb
a9e54a991126ce24dda3", "_logTime": 1675230027, "_ui": "unknown", "_inBac
kground": "1"}]
event:                 CUSTOM_APP_EVENTS
anon_id:               XZ69ba07c4-2cfe-4621-bd2d-
e6d8d681e7bd
application_tracking_enabled: true
advertiser_id_collection_enabled: true
advertiser_id:        0f275e04-7515-42fd-8d2b-
7d41b66cddcf
advertiser_tracking_enabled: true
extinfo:
  ["a2", "com.healthifyme.basic", 931, "v19.1.1", "10", "Pixel
3a", "en_US", "EST", "Android", 1080, 2094, "2.62", 2, 13, 10, "America\New_
York"]
application_package_name: com.healthifyme.basic
```

<https://app-measurement.com/a>

Request body (irrelevant parts omitted):

```
app_vcode\x12\x03931\x12\x10LaunchReturnSkip\x18\x89\x9f\xf6\xdb\xe000
\xbe\xa4\xf5\xba\xe00\x1a\x14\x08\x91\x96\xfe\xa9\xd90\x12\x04_fot
\x80\xdb\xd0\xaa\xd90\x1a\x0e\x08\x91\x96\xfe\xa9\xd90\x12\x03_fi
\x01\x1a\x1c\x08\xcd\xee\xf6\xba\xe00\x12\x11Medical_Condition\x1a\
x00\x1a\x0f\x08\xbe\xae\xa8\xbc\xe00\x12\x04_sno
\x04\x1a\x13\x08\xbe\xae\xa8\xbc\xe00\x12\x04_sid
\xd7\xf0\xe3\x9e\x06\x1a\x1c\x08\xb5\x9d\xae\xbc\xe00\x12\x04Name\x
1a
sensitiveName\x1a, \x08\xb6\x9d\xae\xbc\xe00\x12\x05Email\x1a\x1cqfq
ecpgpyxk1pzhamc@tmmcv.com\x1a\x10\x08\xb7\x9d\xae\xbc\xe00\x12\x03A
ge\x1a\x0222\x1a\x12\x08\xb7\x9d\xae\xbc\xe00\x12\x06Gender\x1a\x01
M\x1a\x15\x08\xb9\x9d\xae\xbc\xe00\x12\x06weight\x1a\x0480.0\x1a\x1
2\x08\xbb\x9d\xae\xbc\xe00\x12\x03BMI\x1a\x0427.7\x1a%\x08\xbb\x9d\
xae\xbc\xe00\x12 LifeStyle\x1a\x11Moderately
Active\x1a$\x08\xbb\x9d\xae\xbc\xe00\x12\x0fMeal_Preference\x1a
Vegetarian\x1a"\x08\xbb\x9d\xae\xbc\xe00\x12\x0cPrimary_Goal\x1a\x0
blose_weight\x1a$\x08\xbb\x9d\xae\xbc\xe00\x12\x14Notification_Bloc
ked\x1a\x05false\x1a9\x08\xde\xce\xae\xbc\xe00\x12\x0cct_object_id\
\x1a"__57a3208d392642bfa5043a6ad1c1f9d9\x1a\x1e\x08\xdf\xce\xae\xbc\
\xe00\x12\x10
```

<https://eu1.clevertap-prod.com/a1?os=Android&t=40400&z=48Z-569-Z84Z&ts=1675231025>

Request body (irrelevant parts omitted):

```
[
  {
    "profile": {
      "Age": 27,
      "BMI": 23.5,
      "Battery_Opt_Disabled": false,
      "Carrier": "Android",
      "Email": "jgydqhbqjmqswprrcx@tmmcv.net",
      "Gender": "M",
```

```
    "Identity": 35898506,  
    "LifeStyle": "Moderately Active",  
    "Meal_Preference": "Vegetarian",  
    "Medical_Condition": "diabetes, pre-diabetes,  
cholesterol, hypertension, pcos, hypothyroid, physical_injury",  
    "Name": "sensitiveName",  
    "Notification_Blocked": false,  
    "Play Version": 224915031,  
    "Primary_Goal": "lose_weight",  
    "cc": "us",  
    "sku_country_code": "INR",  
    "tz": "America/New_York",  
    "weight": 76  
  },  
  "s": 1675229791,  
  "type": "profile"  
}  
]
```

<https://zp81luk4-android.mobile-messenger.intercom.com/messenger/mobile/users>

Request body (irrelevant parts omitted):

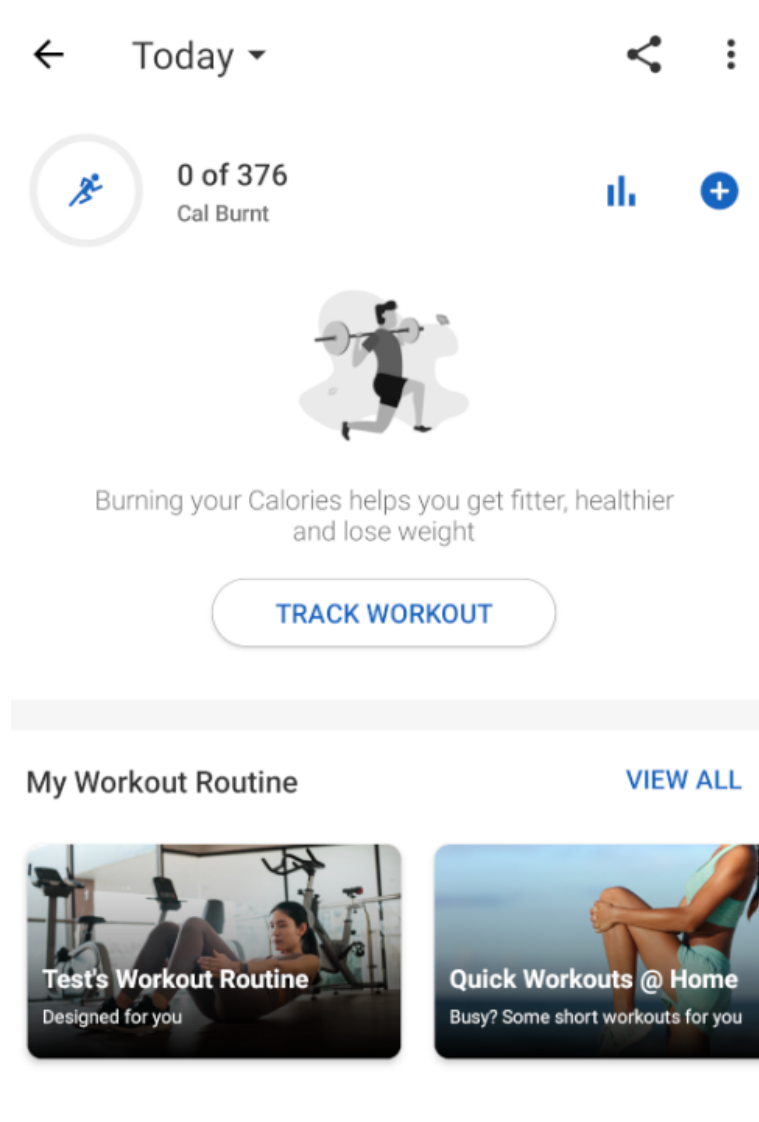
```
{  
  "user": {  
    "email": "jgydqhbqjmqswprrcx@tmmcv.net",  
    "intercom_id": "63d9fb4d1cb2b04c9ff1c5d3",  
    "type": "user",  
    "user_id": "35898506"  
  },  
  "user_attributes": {  
    "custom_attributes": {  
      "Notification_Blocked": false,  
      "age": "27",  
      "bmi": 24,  
      "corporate_id": -1,  
      "gender": "male",  
      "goals": "lose_weight",  
      "iAge": 27,  
    }  
  }  
}
```

```
        "medical_conditions": "diabetes, pre-diabetes,
cholesterol, hypertension, pcos, hypothyroid, physical_injury",
        "name": "sensitiveName",
        "plan": "FREE",
        "profile_url":
"https://api.healthifyme.com/user/info/?username=jgydqhbqjmqswprrcx
@tmmcv.net",
        "source_name": "playstore",
        "source_type": "b2c",
        "user_ethnicity": "",
        "weight": 78.0
    },
    "email": "jgydqhbqjmqswprrcx@tmmcv.net",
    "user_id": "35898506"
}
}
```

<https://graph.facebook.com/v13.0/513519302005425/activities>

```
format:                json
sdk:                   android
custom_events:
    [{"_eventName": "activity_track_new", "_eventName_md5": "5293b30d
50c6d3d0357667480243f05b", "_logTime": 1675235880, "_ui": "unknown", "_s
ession_id": "55297350-f3a3-4239-b67b-
99b30ed92070"}, {"_eventName": "obj_completed", "_eventName_md5": "fe51
8b900ec0de352dbb5c6f5d6a6093", "_logTime": 1675235881, "_ui": "unknown"
, "_session_id": "55297350-f3a3-4239-b67b-99b30ed92070"}]
event:                 CUSTOM_APP_EVENTS
anon_id:               XZ69ba07c4-2cfe-4621-bd2d-
e6d8d681e7bd
application_tracking_enabled: true
advertiser_id_collection_enabled: true
advertiser_id:       0f275e04-7515-42fd-8d2b-
7d41b66cddcf
advertiser_tracking_enabled: true
extinfo:
    ["a2", "com.healthifyme.basic", 931, "v19.1.1", "10", "Pixel
3a", "en_US", "EST", "Android", 1080, 2094, "2.62", 2, 13, 10, "America\New_
York"]
application_package_name: com.healthifyme.basic
```


Miscellaneous findings



The record of various in-app activities are reported, such as a user sign up, a workout activity is added, food is tracked or an objective is completed with the following domain:

- graph.facebook.com

3. MaxLab

Max Lab is the Lab testing arm of Max Hospitals and conducts lab tests. The website allows users to book labs and tests, order the collection of a sample from the user's home and download reports once they're available.

3.1 Name and version of the App

Website: maxlab.co.in

Date of analysis: February 2023

3.2 Trackers

(Identified by Firefox)

- <https://www.google-analytics.com>
- <https://googleads.g.doubleclick.net/>
- <https://connect.facebook.net>
- <https://facebook.com>

Not identified by firefox but seen in the console

- <https://wzrkt.com>

3.3 Permissions requested

Location requested

3.4 Data collection consent banner

No consent banner displayed. The site footer includes a privacy policy³.

3.5 Main domain to where the data is shared

- <https://www.maxlab.co.in/>
- <https://maxcdn.bootstrapcdn.com/>
- <https://maxlab-web.s3.ap-south-1.amazonaws.com/>

3.6 Domains to which advertising ID is sent.

N/A

3.7 Unexpected data sharing

Feature: Home Page

The following trackers get page URL which includes the user's **location i.e. city of access**.

- <https://googleads.g.doubleclick.net>
- <https://www.google.com/pagead/>
- <https://www.google.co.in/pagead/>

```
GEThttps://googleads.g.doubleclick.net/pagead/viewthroughconversion/329227548/?random=1675928848718&cv=11&fst=1675928848718&bg=ffffff&guid=0N&async=1&gtm=45be3280&u_w=1440&u_h=900&hn=www.googleadservices.com&frm=0&url=https://www.maxlab.co.in/delhi&ref=https://www.maxlab.co.in/&tiba=Book Lab Test in Delhi - Test Price, Sample
```

³ <https://www.maxlab.co.in/privacy-policy>

Collection | Max

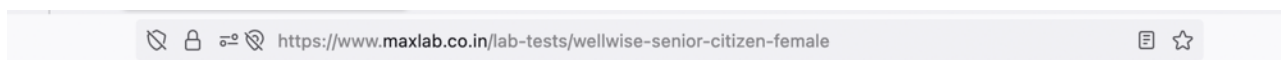
Lab&auid=524609550.1675927280&data=event=gtag.config&rfmt=3&fmt=4

GEThttps://www.google.com/pagead/1p-user-list/329227548/?random=1675928848718&cv=11&fst=1675926000000&bg=ffff&guid=ON&async=1>m=45be3280&u_w=1440&u_h=900&frm=0&url=https://www.maxlab.co.in/delhi&ref=https://www.maxlab.co.in/&tiba=Book Lab Test in Delhi - Test Price, Sample Collection | Max Lab&data=event=gtag.config&fmt=3&is_vtc=1&random=1681371387&rmt_tld=0&ipr=y

GEThttps://www.google.co.in/pagead/1p-user-list/329227548/?random=1675928848718&cv=11&fst=1675926000000&bg=ffff&guid=ON&async=1>m=45be3280&u_w=1440&u_h=900&frm=0&url=https://www.maxlab.co.in/delhi&ref=https://www.maxlab.co.in/&tiba=Book Lab Test in Delhi - Test Price, Sample Collection | Max Lab&data=event=gtag.config&fmt=3&is_vtc=1&random=1681371387&rmt_tld=1&ipr=y

Feature: **Wellwise senior citizen female**

This is a group of services packed in a bundle and includes a collection of lab based tests that can be conducted for senior citizens as part of a comprehensive health check.



The page URL includes **location of test (city)** and name of the **service selected**. The name of the service may include sensitive information, for example “wellwise senior citizen female” which identifies the **gender**, **age range** and **lab tests** selected. The following entities get the page URL and service information:

- <https://googleads.g.doubleclick.net/>
- <https://www.google.com/>
- <https://www.google.co.in>
- <https://www.google-analytics.com>
- <https://www.facebook.com/>

10% OFF
on All Tests for Senior Citizens

Use Code **SS10**

*T&C Apply



85,000 + Compl

Di



Heart Procedures



Brain & Spine Surgeries

WellWise Senior Citizen Profile - Female Test

Includes 79 tests

Complete Haemogram

DETAILS

Sample type : EDTA Fluoride Plasma EDTA Routine Serum Serum Total - Thyroid Profile Uric Acid Urine Routine And Microscopy (FBS) HbA1c (Glycated/ Glycosylated Hemoglobin) Test Uric Acid Liver Function Test (LFT) 25 -

GEThttps://googleads.g.doubleclick.net/pagead/viewthroughconversion/329227548/?random=1675930462277&cv=11&fst=1675930462277&bg=ffffff&guid=ON&async=1>m=45be3280&u_w=1440&u_h=900&hn=www.googleadservices.com&frm=0&url=https://www.maxlab.co.in/lab-tests/wellwise-senior-citizen-female&ref=https://www.maxlab.co.in/delhi&tiba=Book Wellwise Senior Citizen Female Test Online, Home Collection, Price, Normal Range Max Lab&auid=524609550.1675927280&data=event=gtag.config&rfmt=3&fmt=4

GEThttps://www.google.com/pagead/1p-user-list/329227548/?random=1675930462040&cv=11&fst=1675929600000&bg=ffffff&guid=ON&async=1>m=45be3280&u_w=1440&u_h=900&frm=0&url=https://www.maxlab.co.in/lab-tests/wellwise-senior-citizen-female&ref=https://www.maxlab.co.in/delhi&tiba=Book Wellwise Senior Citizen Female Test Online, Home Collection, Price, Normal Range Max Lab&data=event=gtag.config&fmt=3&is_vtc=1&random=1346671928&rmt_tld=0&ipr=y

GEThttps://www.google.co.in/pagead/1p-user-list/329227548/?random=1675930462040&cv=11&fst=1675929600000&bg=ffffff&guid=ON&async=1>m=45be3280&u_w=1440&u_h=900&frm=0&url=https://www.maxlab.co.in/lab-tests/wellwise-senior-citizen-

female&ref=https://www.maxlab.co.in/delhi&tiba=Book Wellwise Senior Citizen Female Test Online, Home Collection, Price, Normal Range Max

Lab&data=event=gtag.config&fmt=3&is_vtc=1&random=1346671928&rmt_tld=1&ipr=y

GEThttps://www.facebook.com/tr/?id=1100747880752857&ev=PageView&dl=https://www.maxlab.co.in/lab-tests/wellwise-senior-citizen-female&rl=https://www.maxlab.co.in/delhi&if=false&ts=1675930463327&sw=1440&sh=900&v=2.9.95&r=stable&ec=0&o=30&cs_est=true&fbp=fb.2.1675927282498.1501602750&it=1675930462610&coo=false&rqm=GET

POSThttps://www.google-analytics.com/g/collect?v=2&tid=G-M0Z5ZGYS1E>m=45je3280&_p=1644774389&cid=1498536083.1675927281&ul=en-us&sr=1440x900&uaW=1&sid=1675927280&sct=1&seg=1&dl=https://www.maxlab.co.in/lab-tests/wellwise-senior-citizen-female&dr=https://www.maxlab.co.in/delhi&dt=Book Wellwise Senior Citizen Female Test Online, Home Collection, Price, Normal Range Max Lab&_s=1

Feature: Full Body Check Up tab

The “Full Body Check Up” tab provides information about the services and packages that the platform offers their users.

Following entities get the current URL, keep track of which url the user has come from and the current page title. Page urls include service name and package name selected which may be sensitive information including **gender**, **age**, and **medical condition**.

- <https://googleads.g.doubleclick.net>
- <https://www.google-analytics.com>
- <https://www.google.co.in/>
- <https://www.google.com/>

The following entity gets previous and current URLs, but no page title.

- <https://www.facebook.com/>

Home > Lab Tests > Full Body Health Checkup

BUY1 GET1 FREE

WellWise Full Body Health Checks

Packages starting ~~₹1199~~ ₹599

FREE DOCTOR
Tele Consultation

FREE SMART REPORT
For Simplified Analysis

FREE HOME
Sample Collection*

*T&C Apply

Additional Offers

FREE SMART Report
with simplified analysis of you

Filters

Categories

Search Category

Heart Test

Full Body Health Checkup Price in Delhi

Showing 1 - 11 of 11

Sort by

Popularity

Wellwise Platinum Profile Test

WellWise Exclusive Profile-Male Test

WellWise Exclusive Profile-Female Test

GEThttps://googleads.g.doubleclick.net/pagead/viewthroughconversion/329227548/?random=1675931597238&cv=11&fst=1675931597238&bg=ffffff&guid=ON&async=1>m=45be3280&u_w=1440&u_h=900&hn=www.googleadservices.com&frm=0&url=https://www.maxlab.co.in/full-body-health-checkup&ref=https://www.maxlab.co.in/lab-tests/wellwise-senior-citizen-female&tiba=Full Body Checkup Price - Book Health Checkup Packages Online | Max Lab&auid=524609550.1675927280&data=event=gtag.config&rfmt=3&fmt=4

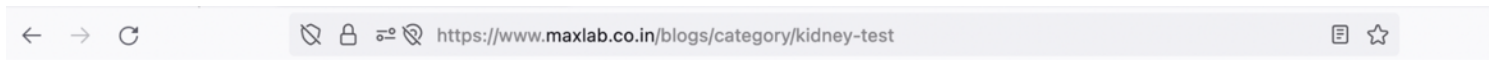
POSThttps://www.google-analytics.com/g/collect?v=2&tid=G-M0Z5ZGYS1E>m=45je3280&_p=1240574422&cid=1498536083.1675927281&ul=en-us&sr=1440x900&uaW=1&_s=2&sid=1675927280&sct=1&seg=1&dl=https://www.maxlab.co.in/full-body-health-checkup&dr=https://www.maxlab.co.in/lab-tests/wellwise-senior-citizen-female&dt=Full Body Checkup Price - Book Health Checkup Packages Online | Max Lab&en=user_engagement&_et=8929

GEThttps://www.google.co.in/pagead/1p-user-list/329227548/?random=1675931597491&cv=11&fst=1675929600000&bg=ffffff&guid=ON&async=1>m=45be3280&u_w=1440&u_h=900&frm=0&url=https://www.maxlab.co.in/full-body-health-checkup&ref=https://www.maxlab.co.in/lab-tests/wellwise-senior-

citizen-female&tiba=Full Body Checkup Price - Book Health Checkup Packages Online | Max Lab&data=event=gtag.config&fmt=3&is_vtc=1&random=1505556511&rmt_tld=1&ipr=y

GEThttps://www.facebook.com/tr/?id=344997280610941&ev=PageView&dl=https://www.maxlab.co.in/full-body-health-checkup&rl=https://www.maxlab.co.in/lab-tests/wellwise-senior-citizen-female&if=false&ts=1675931598056&sw=1440&sh=900&v=2.9.95&r=stable&e c=0&o=30&cs_est=true&fbp=fb.2.1675927282498.1501602750&it=1675931597742&coo=false&rqm=GET

Feature: **Blog**



Page URL and page title include sensitive information about the medical condition the user is browsing (for example; 'kidney functions').

- <https://googleads.g.doubleclick.net>
- <https://www.google.co.in/pagead/>
- <https://www.google.com/>

The following entities get the current URL and title

- <https://www.google-analytics.com/>

Kidney Test



Nov 16, 2022

Top 5 Diseases That Can be Detected with a Simple Urine Test

The elimination of waste products, toxins, and excessive water from the body through urination is important for a range of bodily functions. Urine is produced in the kidneys and stored in the bladder



Nov 11, 2022

Home Remedies for Urinary Tract Infection

A urinary tract infection (UTI) is an infection in any part of the urinary system, the kidneys, bladder or urethra. Symptoms of a UTI include frequent and painful need to urinate, increased urge to

BY SPECIALITIES

- Heart test
- Kidney test
- Liver test
- Thyroid test
- GastroIntestinal
- Bone and Joint
- Prostate test
- Infectious disease
- Gynaecology test
- Allergy test
- Diabetes test
- Gastro test
- Female Cancer
- Pregnancy test
- Cancer test
- Cardiology test
- Nephrology
- Orthopedics test
- Thyroid Disease test

GEThttps://googleads.g.doubleclick.net/pagead/viewthroughconversion/329227548/?random=1675932320070&cv=11&fst=1675932320070&bg=ffffff&guid=ON&async=1>m=45be3280&u_w=1440&u_h=900&hn=www.googleadservices.com&frm=0&url=https://www.maxlab.co.in/blogs/could-you-need-a-kidney-function-test&ref=https://www.maxlab.co.in/full-body-health-checkup&tiba=Could You Need a Kidney Function Test? Find Out Here | Max Lab&auid=524609550.1675927280&data=event=gtag.config&rfmt=3&fmt=4

GEThttps://www.google-analytics.com/collect?v=1&_v=j99&a=130347553&t=pageview&_s=1&dl=https://www.maxlab.co.in/blogs/could-you-need-a-kidney-function-test&ul=en-us&de=UTF-8&dt=Could You Need a Kidney Function Test? Find Out Here | Max Lab&sd=30-bit&sr=1440x900&vp=1267x714&je=0&_u=QACAAEABAAAAACAIAI~&jid=&gjid=&cid=1498536083.1675927281&tid=UA-23425895-5&_gid=1096093788.1675927282>m=45He3280n81TNFS7V8&z=1786851310

Miscellaneous findings

Following trackers get the current URL and keeps track of which url the user has come from in addition to the current page title

- <https://googleads.g.doubleclick.net>

- <https://www.google.co.in/pagead/>
- <https://www.google.com/>
- www.facebook.com

This referrer information allows them to infer how a user navigates between various pages within the website. Data leak is further compounded by the way MaxLab codes its URLs which leaves a lot of information visible. Name of services, age, gender, medical conditions, and user location have all found their way into the URL string throughout different pages of the website.

```
GEThttps://www.google.co.in/pagead/1p-user-
list/329227548/?random=1675932320070&cv=11&fst=1675929600000&bg=fff
fff&guid=0N&async=1&gtm=45be3280&u_w=1440&u_h=900&frm=0&url=https:/
/www.maxlab.co.in/blogs/could-you-need-a-kidney-function-
test&ref=https://www.maxlab.co.in/full-body-health-
checkup&tiba=Could You Need a Kidney Function Test? Find Out Here |
Max
Lab&data=event=gtag.config&fmt=3&is_vtc=1&random=3287847974&rmt_tld
=1&ipr=y
```

```
GEThttps://www.google.com/pagead/1p-user-
list/329227548/?random=1675932320070&cv=11&fst=1675929600000&bg=fff
fff&guid=0N&async=1&gtm=45be3280&u_w=1440&u_h=900&frm=0&url=https:/
/www.maxlab.co.in/blogs/could-you-need-a-kidney-function-
test&ref=https://www.maxlab.co.in/full-body-health-
checkup&tiba=Could You Need a Kidney Function Test? Find Out Here |
Max
Lab&data=event=gtag.config&fmt=3&is_vtc=1&random=3287847974&rmt_tld
=0&ipr=y
```

```
GEThttps://www.facebook.com/tr/?id=344997280610941&ev=PageView&dl=
https://www.maxlab.co.in/blogs/could-you-need-a-kidney-function-
test&r1=https://www.maxlab.co.in/full-body-health-
checkup&if=false&ts=1675932321116&sw=1440&sh=900&v=2.9.95&r=stable&
ec=0&o=30&cs_est=true&fbp=fb.2.1675927282498.1501602750&it=16759323
20989&coo=false&rqm=GET
[HTTP/2 200 OK 64ms]
```

For most features analysed, information is sent to <https://wzrkt.com/> as well but the message is obfuscated, thus it is hard to identify what is being sent.

```
GEThttps://wzrkt.com/a?t=96&type=push&d=N4IgLgngDgpiBcIoCcD2AzAlgG
zgGiTS1wVAGFNIEQARGbAC0xALAC9qBxAWQBUBqAAwBWAMyCQAXwKYAJtQAsCgNIBaA
0zL1qgJzKAbAC0WIA0bV16/eoDG09ACZHMABwKd0/QEN0ARkEOMPqiDurC0sKRviZQ5
vC+kkAAA&rn=3&i=1675928849&sn=1&gc=7767c9f2f2e84996af102e6327595551
&arp=N4IgVg+gdiBcIC0DuBeFIA0ICW06IFsAbAcwFMBBASQBEAhCtTEAEwgBcBnOAB
ixYAWvLADc4ARiyRu8YAAIAvs2wt8AFjUBpALQB2Tbu0BOTQDYEzMhx18QAJ2sTTugK
xGATLrXi1CoAA==&useIP=true&r=1675928849104
```

4. Netmeds

Netmeds is an e-pharmacy app that delivers medication, lifestyle and beauty products to the user. They also offer lab tests with samples collected from the user's home.

4.1 Name and version of the App

Website: netmeds.com

Date of analysis: February 2023

4.2 Trackers

(identified by firefox)

www.google-analytics.com	https://connect.facebook.net
https://googleads.g.doubleclick.net	https://www.facebook.com
https://static.criteo.net	https://stats.g.doubleclick.net
https://gum.criteo.net	https://sslwidget.criteo.net

Doesn't show up the firefox list but present in the developer console

- <https://bat.bing.com>

4.3 Permissions requested

None requested

4.4 Data collection consent banner

Consent banner present at the bottom of the screen.

4.5 Main domain to where the data is shared

www.netmeds.com

4.6 Domains to which advertising ID is sent.

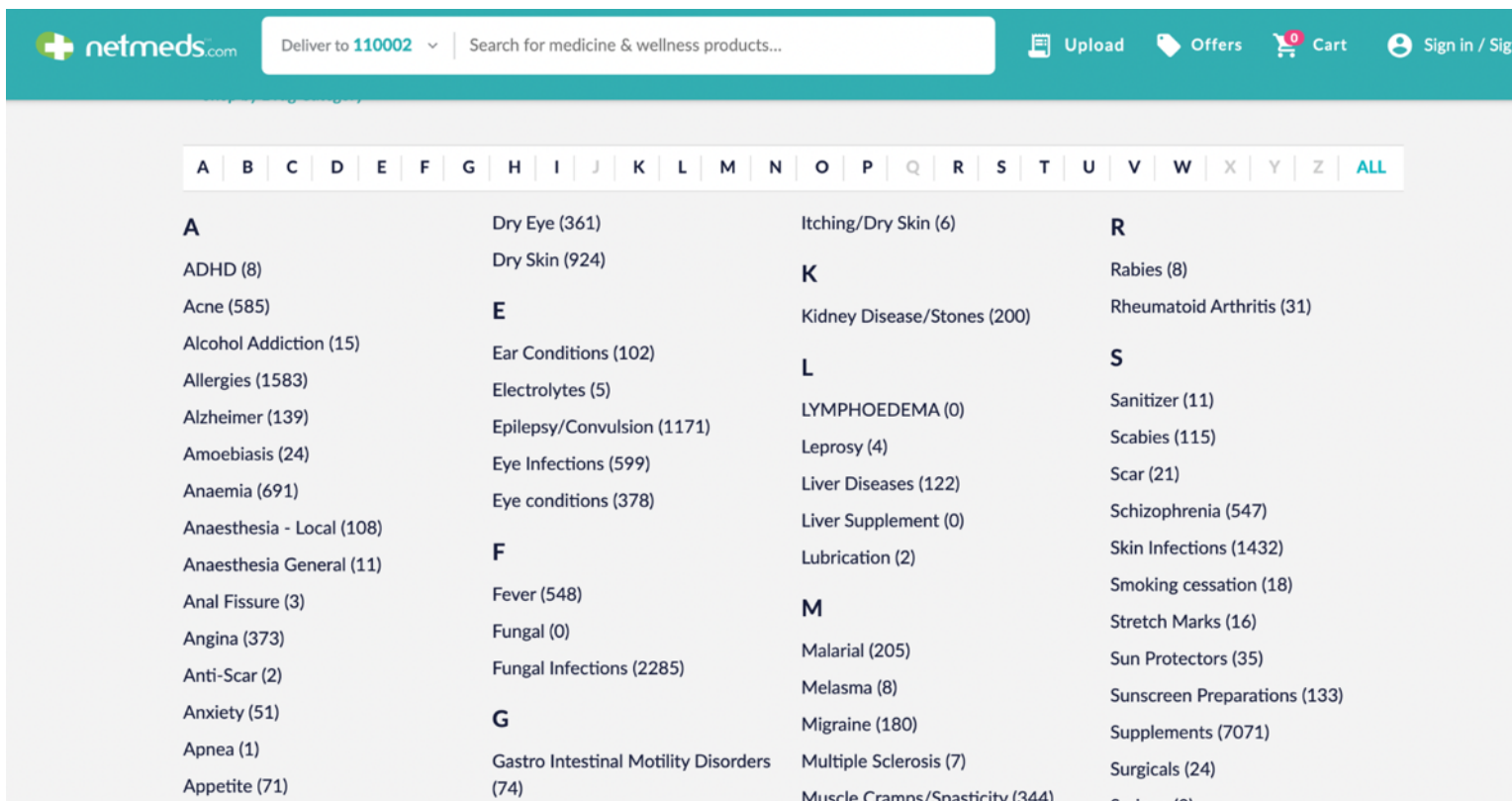
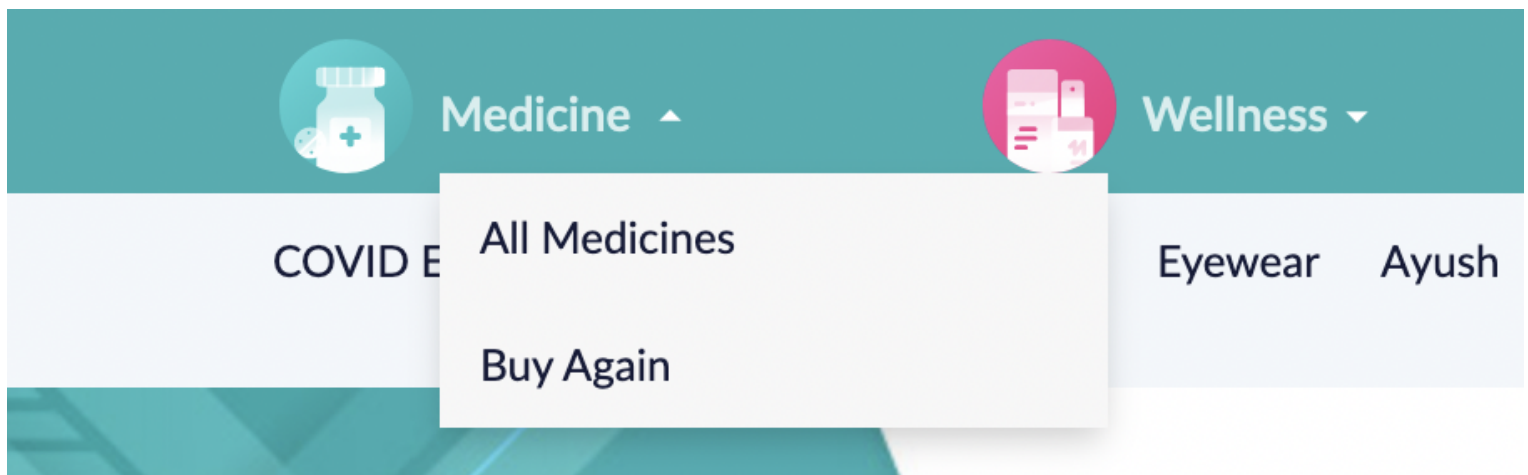
N.A.

4.7 Unexpected data sharing

Feature: **select a medication**

This can be done in multiple ways. Clicking on the Medicine tab in the menu, then on all medicine, which brings up the list of conditions for which the website has stock (medicine -> all medicine -> anxiety)

The web app allows the user to select a medicine using the medical condition that they're treating.



The following entities receive the page URL which includes the **name of the medical condition** for which the user is looking for medicine. Example -> '<https://www.netmeds.com/prescriptions/anxiety>'.

- <https://googleads.g.doubleclick.net/>
- <https://bat.bing.com>
- <https://www.google.com/pagead/>
- <https://www.google.co.in/pagead/>
- <https://www.facebook.com/>
- <https://www.google-analytics.com>
- <https://sslwidget.criteo.com/>

The following entities also receive the page title, which includes the name of the **medical condition**.

- <https://googleads.g.doubleclick.net/>
- <https://bat.bing.com>
- <https://www.google.com/pagead/>
- <https://www.google.co.in/pagead/>
- <https://www.google-analytics.com>

GET https://googleads.g.doubleclick.net/pagead/viewthroughconversion/878044376/?random=1676021781639&cv=11&fst=1676021781639&bg=ffffff&guid=0N&async=1&gtm=45He3280&u_w=1440&u_h=900&hn=www.googleadservices.com&frm=0&url=https://www.netmeds.com/prescriptions/anxiety&tiba=Anxiety - Search & Shop Prescription Medicines Online at Netmeds.com.&auid=170188024.1676009926&rfmt=3&fmt=4
GET https://bat.bing.com/action/0?ti=26076008&tm=gtm002&Ver=2&mid=c625c5f2-ab00-4f0d-ab0c-4c24c44c7f40&sid=c6a5ee50a90a11edbf7a135da5cfe3e5&vid=c6a61b80a90a11eda5f87d81f0213e26&vids=0&msslkid=N&pi=918639831&lg=en-US&sw=1440&sh=900&sc=30&tl=Anxiety - Search & Shop Prescription Medicines Online at Netmeds.com.&kw=Online Pharmacy India, Medicine Online, Medicine Store, Online Medical Store, Purchase Medicine Online, Prescription Medicines, Prescription Drugs, Anxiety&p=https://www.netmeds.com/prescriptions/anxiety&r=&lt=1770&evt=pageLoad&sv=1&rn=71221
GET https://www.google.com/pagead/1p-user-list/878044376/?random=1676021781715&cv=11&fst=1676019600000&bg=ffffff&guid=0N&async=1&gtm=45be3280&u_w=1440&u_h=900&frm=0&url=https://

[/www.netmeds.com/prescriptions/anxiety&tiba=Anxiety](https://www.netmeds.com/prescriptions/anxiety&tiba=Anxiety) - Search & Shop Prescription Medicines Online at Netmeds.com.&data=event=gtag.config&fmt=3&is_vtc=1&random=295218792&rmt_tld=0&ipr=y

GEThttps://www.google.co.in/pagead/1p-user-list/878044376/?random=1676021781715&cv=11&fst=1676019600000&bg=ffff&guid=ON&async=1>m=45be3280&u_w=1440&u_h=900&frm=0&url=https://www.netmeds.com/prescriptions/anxiety&tiba=Anxiety - Search & Shop Prescription Medicines Online at Netmeds.com.&data=event=gtag.config&fmt=3&is_vtc=1&random=295218792&rmt_tld=1&ipr=y

GEThttps://www.facebook.com/tr/?id=754239078489150&ev=PageView&dl=https://www.netmeds.com/prescriptions/anxiety&rl=&if=false&ts=1676021782623&sw=1440&sh=900&v=2.9.95&r=stable&ec=0&o=30&cs_est=true&fbp=fb.1.1676009927220.1077067521&it=1676021782582&coo=false&rqm=GET

GEThttps://www.google-analytics.com/collect?v=1&_v=j99&a=540804756&t=pageview&_s=1&dl=https://www.netmeds.com/prescriptions/anxiety&ul=en-us&de=UTF-8&dt=Anxiety - Search & Shop Prescription Medicines Online at Netmeds.com.&sd=30-bit&sr=1440x900&vp=1267x714&je=0&_u=SACAAEABQAAAACAAI~&jid=&gjid=&cid=807005760.1676009926&tid=UA-63910444-1&_gid=870933816.1676009927>m=45He3280n7156CPBN&z=539063802

GEThttps://sslwidget.criteo.com/event?a=56520&v=5.13.0&p0=e=ce&m=%5B%5D&p1=e=exd&site_type=d&p2=e=v1&p=%5B982894%2C1038853%5D&p3=e=dis&adce=1&tld=netmeds.com&fu=https%3A%2F%2Fwww.netmeds.com%2Fprescriptions%2Fanxiety&dtycbr=64179

Feature: Medicine Order Page

Once a drug is identified from the list of results, the user is navigated to its own page which includes some information about the drug and the image of the packaging.

**Store, Online Medical Store, Purchase
Medicine, anxiety&p=https://www.netmeds.com/prescriptions/obsikon-
cr-12-5-tablet-10s&r=<=809&evt=pageLoad&sv=1&rn=913364**

GEThttps://googleads.g.doubleclick.net/pagead/viewthroughconversion/878044376/?random=1676023137098&cv=11&fst=1676023137098&bg=ffffff&guid=ON&async=1>m=45He3280&u_w=1440&u_h=900&hn=www.googleadservices.com&frm=0&url=https://www.netmeds.com/prescriptions/obsikon-cr-12-5-tablet-10s&tiba=OBSIKON CR 12.5 Tablet 10's - Buy Medicines online at Best Price from Netmeds.com&auid=170188024.1676009926&rfmt=3&fmt=4

GEThttps://www.google.com/pagead/1p-user-list/878044376/?random=1676023137098&cv=11&fst=1676019600000&bg=ffffff&guid=ON&async=1>m=45He3280&u_w=1440&u_h=900&frm=0&url=https://www.netmeds.com/prescriptions/obsikon-cr-12-5-tablet-10s&tiba=OBSIKON CR 12.5 Tablet 10's - Buy Medicines online at Best Price from Netmeds.com&fmt=3&is_vtc=1&random=3301840646&rmt_tld=0&ipr=y

GEThttps://www.google.co.in/pagead/1p-user-list/878044376/?random=1676023137098&cv=11&fst=1676019600000&bg=ffffff&guid=ON&async=1>m=45He3280&u_w=1440&u_h=900&frm=0&url=https://www.netmeds.com/prescriptions/obsikon-cr-12-5-tablet-10s&tiba=OBSIKON CR 12.5 Tablet 10's - Buy Medicines online at Best Price from Netmeds.com&fmt=3&is_vtc=1&random=3301840646&rmt_tld=1&ipr=y

GEThttps://www.facebook.com/tr/?id=754239078489150&ev=PageView&dl=https://www.netmeds.com/prescriptions/obsikon-cr-12-5-tablet-10s&rl=&if=false&ts=1676023138463&sw=1440&sh=900&v=2.9.95&r=stable&ec=0&o=30&cs_est=true&fbp=fb.1.1676009927220.1077067521&it=1676023138353&coo=false&rqm=GET

Clicking add to cart increases the amount of information sent to the trackers:

The Page URL, which includes the name of the drug, is sent to:

- <https://sslwidget.criteo.com/>

The page URL (including the medicine name) and the intent to purchase (a click event) is sent to

- <https://www.google.com/>
- <https://www.facebook.com>
- <https://googleads.g.doubleclick.net/>
- <https://analytics.google.com>
- <https://www.google.co.in>

In addition to the above, the following get the cost and quantity of drug added to cart, and the medical condition for the drug

- <https://www.facebook.com>
- <https://analytics.google.com>

analytics.google.com also gets the city selected by the user at first navigation to the website.

```
GEThttps://www.google.com/pagead/1p-  
conversion/878044376/?random=1676025658588&cv=11&fst=1676025658588&  
bg=ffffff&guid=0N&async=1&gtm=45He3280&u_w=1440&u_h=900&label=xfZHC  
P-  
H5s0DENjJ16ID&hn=www.google.com&frm=0&url=https://www.netmeds.com/p  
rescriptions/obsikon-cr-12-5-tablet-10s&tiba=OBSIKON CR 12.5 Tablet  
10's - Buy Medicines online at Best Price from  
Netmeds.com&value=0&bttype=purchase&auid=170188024.1676009926&gcp=1  
&sscte=1&ct_cookie_present=1&rfmt=3&fmt=4
```

```
GEThttps://www.facebook.com/tr/?id=754239078489150&ev=AddToCart&dl  
=https://www.netmeds.com/prescriptions/obsikon-cr-12-5-tablet-  
10s&rl=&if=false&ts=1676025658598&cd[content_name]=OBSIKON CR 12.5  
Tablet  
10's&cd[content_type]=product&cd[content_category]=Anxiety&cd[curre  
ncy]=INR&cd[value]=135&cd[contents]=[{"id":1075516,"quantity":1}]&s  
w=1440&sh=900&v=2.9.95&r=stable&ec=3&o=1054&fbp=fb.1.1676009927220.  
1077067521&it=1676023138353&coo=false&rqm=GET
```

```
GEThttps://googleads.g.doubleclick.net/pagead/viewthroughconversio  
n/878044376/?random=1676025658588&cv=11&fst=1676025658588&fmt=3&bg=  
ffffff&guid=0N&async=1&gtm=45He3280&u_w=1440&u_h=900&label=xfZHC  
P-  
H5s0DENjJ16ID&hn=www.google.com&frm=0&url=https://www.netmeds.com/p  
rescriptions/obsikon-cr-12-5-tablet-10s&tiba=OBSIKON CR 12.5 Tablet  
10's - Buy Medicines online at Best Price from  
Netmeds.com&value=0&bttype=purchase&auid=170188024.1676009926&gcp=1  
&ct_cookie_present=1
```


<p>POSThttps://analytics.google.com/g/collect?v=2&tid=G-ZD1BC704WF&gtm=45je3280&_p=1023163039&_gaz=1&cid=807005760.1676009926&ul=en-us&sr=1440x900&uaW=1&_s=4&cu=INR&sid=1676025658&sct=3&seg=0&dl=https://www.netmeds.com/prescriptions/obsikon-cr-12-5-tablet-10s&dt=OBSIKON CR 12.5 Tablet 10's - Buy Medicines online at Best Price from Netmeds.com&en=add_to_cart&_ss=1&pr1=nmOBSIKON CR 12.5 Tablet 10's~id1075516~pr135~brIKON PHARMACHEM PVT LTD~caAnxiety~qt1~k0ProductId_City~v01075516_CENTRAL DELHI~k1available_city~v1CENTRAL DELHI~k2affiliation~v2&ep.category=Anxiety&epn.value=135</p>
<p>GEThttps://www.google.co.in/pagead/1p-conversion/878044376/?random=1676025658588&cv=11&fst=1676025658588&bg=ffffff&guid=0N&async=1&gtm=45He3280&u_w=1440&u_h=900&label=xfZHC P-H5s0DENjJ16ID&hn=www.google.com&frm=0&url=https://www.netmeds.com/prescriptions/obsikon-cr-12-5-tablet-10s&tiba=OBSIKON CR 12.5 Tablet 10's - Buy Medicines online at Best Price from Netmeds.com&value=0&bttype=purchase&auid=170188024.1676009926&gcp=1&sscte=1&ct_cookie_present=1&rfmt=3&fmt=4&ipr=y&prhg=0&ezwbk=AZuM4hDL5U-wRhSQjGoF50k9ovhmA9b0rDfrhGVHFCgoYaMxkys7KCY189NRU71Q8sycebt4M9y06JRQINPtj10LmIiX</p>

5. Maya

5.1 Name and version of the App

App: Maya : Period tracker for Women

Date of analysis: April 2023

5.2 Trackers

Google AdMob: advertisement	Facebook Ads: advertisement
Google Analytics: analytics	Facebook Analytics: analytics
Google CrashLytics: crash reporting	Facebook login: identification
Google Firebase Analytics: analytics	Facebook Share
Google Tag Manager: analytics	

Exodus tracker: <https://reports.exodus-privacy.eu.org/en/reports/in.plackal.lovecyclesfree/latest/>

5.3 Permissions requested

This app requests 21 permissions, including approximate location, camera access, the ability to read contacts and update the device storage

Source: <https://reports.exodus-privacy.eu.org/en/reports/in.plackal.lovecyclesfree/latest/>

5.4 Data collection consent banner

A banner is not presented, but a link to privacy policy is present at sign up

5.5 Main domain to where the data is sent

- App.maya.live

5.6 Domains to which advertising ID is sent.

Not available

5.7 Unexpected data sharing

Maya is a period tracking app and has been [the subject of PI investigations in the past](#).

At launching the app, the following trackers are initialised and collect the login event:

- graph.facebook.com
- firebaselogging-pa.googleapis.com
- ssl.google-analytics.com

The following get all analytics for any page that is visited and any data that is added to the app:

- firebaselogging-pa.googleapis.com
- ssl.google-analytics.com

While the specifics of the symptoms, notes or medication etc are not recorded, the fact that a user has added a symptom, mood, or birth control are all events that are recorded by the mentioned trackers. The app also has a section for users to record when they last had sex and whether it was protected or unprotected. While this feature is not mandatory, its use by the user is picked up by the above analytics.

```
{  
  
"supports_implicit_sdk_logging":true,"gdpv4_nux_enabled":false,"android_sdk_error_ categories":[ {  
  "name":"login_recoverable","items":[ {
```

```
    "code":102
  }
  , {
    "code":190
  }
  ],"recovery_message":"Please log into this app again to reconnect your
Facebook account."
}
  ],"app_events_session_timeout":60,"app_events_feature_bitmask":65559,"seamless_login":1,"smart_login_bookmark_icon_url":"https://static.xx.fbcdn.net/rsrc.php/v3/y6/r/yJMnJy6rFT-.png","smart_login_menu_icon_url":"https://static.xx.fbcdn.net/rsrc.php/v3/yT/r/KNd968JWj-b.png","aam_rules":"{}","suggested_events_setting":{"production_events\":[],\eligible_for_prediction_events\:["fb_mobile_add_to_cart","\fb_mobile_purchase","\fb_mobile_initiated_checkout\]}","id":"279652068750718"
}
```

```
{
  "logRequest": [
    {
      "clientInfo": {
        "androidClientInfo": {
          "applicationBuild": "202",
          "country": "US",
          "device": "vbox86p",
          "fingerprint":
"google/vbox86p/vbox86p:11/RQ1A.210105.003/590:userdebug/test-keys,patch-1",
          "hardware": "vbox86",
          "locale": "en",
          "manufacturer": "Genymobile",
          "mccMnc": "310270",
          "model": "Galaxy S8",
          "osBuild": "RQ1A.210105.003",
          "product": "vbox86p",
          "sdkVersion": 30
        },
        "clientType": "ANDROID_FIREBASE"
      },
      "logEvent": [
        {
          "eventTimeMs": 1682320896020,
          "eventUptimeMs": 5452020,
          "networkConnectionInfo": {
            "mobileSubtype": "UNKNOWN_MOBILE_SUBTYPE",
            "networkType": "WIFI"
          },
          "sourceExtension":
"Cg4Ih/SJkfswEJPGjPH7MBoLCgkIgMADEICAgAUiGWluLnBsYWNrYWwubG92ZWN5Y2xlc2ZyZWU=",
          "timezoneOffsetSeconds": 19800
        }
      ]
    }
  ]
}
```

```

    ],
    "logSourceName": "GDT_CLIENT_METRICS",
    "qosTier": "DEFAULT",
    "requestTimeMs": 1682320896024,
    "requestUptimeMs": 5452024
  },
  {
    "clientInfo": {
      "androidClientInfo": {
        "applicationBuild": "202",
        "country": "US",
        "device": "vbox86p",
        "fingerprint":
"google/vbox86p/vbox86p:11/RQ1A.210105.003/590:userdebug/test-keys,patch-1",
        "hardware": "vbox86",
        "locale": "en",
        "manufacturer": "Genymobile",
        "mccMnc": "310270",
        "model": "Galaxy S8",
        "osBuild": "RQ1A.210105.003",
        "product": "vbox86p",
        "sdkVersion": 30
      },
      "clientType": "ANDROID_FIREBASE"
    },
    "logEvent": [
      {
        "eventTimeMs": 1682320845206,
        "eventUptimeMs": 5401206,
        "networkConnectionInfo": {
          "mobileSubtype": "UNKNOWN_MOBILE_SUBTYPE",
          "networkType": "WIFI"
        },
        "sourceExtension":
"CnAKJjE6NzE1MzQwMjgxNjk6YW5kcm9pZDo5ZDA2MGUyMmZhZDFkNTE3EhZ1dn1S0FZJT1RfMnJINDEyU
URJUWhNGiwKGWluLnBsYWNrYWwubG92ZW5Y2xlc2ZyZWUSBjIwLjMuMRoHMy43LjEuMygBEmEKF19zdF9
Ib21lUGFyZW50QWN0aXZpdHkguJPFqv3B/gIo1+mRGDILCgdfZnJfc2xvEAYyCwoHX2ZyX3RvdBAGMgsKB
19mc19mem4QBUIciAzNzBkMzAxZTA3YzQ0Nzk1OTMxODM2NGE1MjIxMTcwYg==",
        "timezoneOffsetSeconds": 19800
      },
      {
        "eventTimeMs": 1682320883798,
        "eventUptimeMs": 5439798,
        "networkConnectionInfo": {
          "mobileSubtype": "UNKNOWN_MOBILE_SUBTYPE",
          "networkType": "WIFI"
        },
        "sourceExtension":
"CnAKJjE6NzE1MzQwMjgxNjk6YW5kcm9pZDo5ZDA2MGUyMmZhZDFkNTE3EhZ1dn1S0FZJT1RfMnJINDEyU
URJUWhNGiwKGWluLnBsYWNrYWwubG92ZW5Y2xlc2ZyZWUSBjIwLjMuMRoHMy43LjEuMygBEm4KE19zdF9

```

```

Qcm9maWxlQWN0aXZpdHkg00qkwf3B/gIoksGJFDILCgdfZnJfc2xvEBIyCwoHX2ZyX3RvdBASMgsKB19mc
19mem4QAkoiCiAzNzBkMzAxZTA3YzQ0Nzk1OTMxODM2NGE1MjIxMTcwYg==",
    "timezoneOffsetSeconds": 19800
  },
  {
    "eventTimeMs": 1682320884027,
    "eventUptimeMs": 5440027,
    "networkConnectionInfo": {
      "mobileSubtype": "UNKNOWN_MOBILE_SUBTYPE",
      "networkType": "WIFI"
    },
    "sourceExtension":
"CnAKJjE6NzE1MzQwMjgxnjk6YW5kcm9pZDo5ZDA2MGUyMmZhZDFkNTE3EhZlbn1SOFZJTlRfMnJINDEyU
URJUWhNGiwKGWlLnBsYWNrYWwubG92ZWN5Y2xlc2ZyZWUSBjIwLjMuMRoHMy43LjEuMygBGosBCiZodHR
wczovL2FwcC5tYX1hLmxdmUvdjEvdXNlci9zZXR0aW5ncxACGN4CIMADKMgBMh9hcHBsaWNhdGlvbi9qc
29u0yBjaGFyc2V0PjV0Zi040JDf19T9wf4CQ0HYDEhEU0i8Z2oiCiAzNzBkMzAxZTA3YzQ0Nzk1OTMxODM
2NGE1MjIxMTcwYg==",
    "timezoneOffsetSeconds": 19800
  }
],
"logSourceName": "FIREPERF",
"qosTier": "DEFAULT",
"requestTimeMs": 1682320896024,
"requestUptimeMs": 5452024
}
]
}

```

Source extension is encoded in base 64

6. Practo

Practo is an online healthcare provider based in India that allows users to book video consultations, order medicines, book doctor appointments and lab tests, and find doctors.

6.1 Name and version of the App

Website: Practo (<https://www.practo.com/>)

Date of analysis: February 2023

6.2 Trackers

(Identified by Firefox)

https://connect.facebook.net	https://adservice.google.com
https://www.google-analytics.com	https://stats.g.doubleclick.net
https://9535906.fl.s.doubleclick.net	https://www.facebook.com

6.3 Permissions requested

Location (requested by some pages)

6.4 Data collection consent banner

A banner is not presented, but a link to privacy policy⁴ is present in the page footer.

6.5 Main domain to where the data is sent

- practo.com

6.6 Domains to which advertising ID is sent.

N/A

6.7 Unexpected data sharing

Feature: **Practo Health Wiki**

Explains various health conditions and procedures.

⁴ <https://www.practo.com/company/privacy>

Diseases & Conditions

Procedures

Auto-Immune Disorders

Acquired Immune Deficiency Syndrome (AIDS): Causes, Complications, and Treatment

Arthritis: Symptoms and Treatment

Crohn's Disease: Symptoms, Complications, and Treatment

Diabetes Mellitus Type 1: Symptoms, Complications, and Treatment

Gout: Causes, Symptoms, and Treatment

Hip Replacement in India

Lupus: Causes, Symptoms, and Treatment

Meniere's Disease: Causes, Symptoms, And Treatment

Multiple Sclerosis: Symptoms and Treatment

Osteoarthritis: Symptoms and Treatment

Rheumatoid Arthritis: Symptoms and Treatment

Chronic Health Diseases and Conditions

Asthma: Symptoms, Complications, and Treatment

COPD: Causes, Symptoms, and Treatment

Diabetes Mellitus Type 2: Symptoms, Complications, and Treatment

Hypothyroidism: Symptoms and Treatment

Irritable Bowel Syndrome (IBS): Symptoms, Complications and Treatment

Parkinson's Disease: Causes, Symptoms & Treatment

Piles: Causes, Symptoms, and Treatment

Thalassemia: Causes, Symptoms, and Treatment

Female Healthcare

Cervical Cancer: Symptoms, Complications, and Treatment

Endometriosis: Symptoms, and Treatment

Female Condom: Basic Facts, and How to Use

Fibroids: Symptoms, and Treatment

Menopause: Symptoms, Perimenopause and Relief

Periods or the Menstrual Cycle in Women

Polycystic Ovary Syndrome (PCOS): Symptoms, Complications, and Treatment

Premenstrual Syndrome (PMS): Symptoms and Treatment

General Health Issues

Acidity: Symptoms, Treatment, and Home Remedies

Anemia: Meaning, Symptoms, and Types

Concussion: Symptoms and Treatment

Constipation: Causes, Remedies, and Relief

Diarrhea: Meaning, Treatment, and Symptoms

Gastritis: Symptoms and Treatment

Heat Stroke (Sunstroke): Symptoms

Hernia: Causes, Symptoms, and Treatment

Insomnia (Sleeplessness): Symptoms

Jaundice: Symptoms, Complications,

Pimple: Causes, Symptoms, and Treatment

Sinusitis: Infection, Symptoms, and Treatment



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SURGEONS

Book appointment with
an expert surgeon
Piles, Hernia & 50+ surgeries

KNOW MORE

The page URL and title, which includes the name of the **health condition selected by a user**, is shared with the following entities:

- [google-analytics.com](https://www.google-analytics.com)
- googleads.g.doubleclick.net
- google.com/pagead/
- google.co.in/pagead/

Additionally, the **medical speciality corresponding to the chosen health condition** (for example, if a patient selects kidney disease so the corresponding specialty would be nephrology) is shared with the following:

- 9535906.fl.s.doubleclick.net
- google-analytics.com
- adservice.google.com

https://www.google-analytics.com/j/collect?v=1&_v=j99&a=39810613&t=pageview&_s=1&dl=https://www.practo.com/health-wiki/arthritis-symptoms-and-

treatment/43/article&ul=en-us&de=UTF-8&dt=**Arthritis: Symptoms and Treatment**&sd=30-bit&sr=1680x1050&vp=1386x543&je=0&_u=AACAAEABAAAAACAAI~&jid=&gjid=&cid=1055410137.1675748022&tid=UA-18841050-11&_gid=360759549.1675748022&_slc=1&z=1570985833

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& Salons&sd=30-bit&sr=1680x1050&vp=713x500&je=0&_u=SCCAA EIJAAAAACAMI~&jid=&gjid=&cid=1055410137.1675748022&tid=UA-18841050-11&_gid=360759549.1675748022&_slc=1&z=1877109804


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Feature: **Find a doctor**

This page helps users find a doctor for a chosen medical specialisation near their location.

 Find Doctors Video Consult Medicines Lab Tests Surgeries NEW For Corporates For Providers Security & help Login / Signup

Fed up of endless wait?
Look for clinic with **Prime** 

Video Consult Availability All Filters Sort By Relevance

180 doctors available in Bangalore

 Book appointments with minimum wait-time & verified doctor details

Provide current location to see **Dermatologist** near you
You are seeing results from bangalore. See results near you

The **chosen medical speciality** and **exact GPS location of the user** is shared with the following entities:

- google-analytics.com
- facebook.com

When the user attempts to book an appointment with the doctor, the **Doctor's last name, medical specialisation, appointment time and appointment cost** is shared with the following:

- googleads.g.doubleclick.net
- google-analytics.com
- google.com/pagead
- google.co.in/pagead
- facebook.com

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%3A%2F%2Fwww.practo.com%2Fsapphire-widgets%2Fcarousel%2Fprime-
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wiki
```

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https://www.google-
analytics.com/j/collect?v=1&_v=j99&a=1372296889&t=pageview&_s=1&dl
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Bangalore - Instant Appointment Booking, View Fees, Feedbacks |
Practo&sd=30-
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URL: <https://www.facebook.com/tr/>

Request Body (truncated for brevity):

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https://www.google-analytics.com/j/collect?v=1&_v=j99&a=994227509&t=pageview&_s=1&dl=https://www.practo.com/appointment/madan-2-hair-transplant-surgeon/561807/book?type=abs&doctor_id=561807&specialization=Dermatologist&appointment_time=2023-02-08%2016%3A00%3A00&appointment_token=NTYxODA3UHJhY3RpY2VEb2N0b3I%3D&prepaid=true&amount=750&discount=0&discount_type=PERCENTAGE&cancellation_fee=50&prepaid_type=payment_optional&cancellation_charge=50&cancellation_fee_type=ABSOLUTE&plus_discount=0&total_amount_to_pay=750&disclaimers%5B0%5D%5Btext%5D=Free%20cancellation%20and%20rescheduling%20is%20available%20till%202%20hours%20before%20the%20appointment%20time.&disclaimers%5B0%5D%5Bposition%5D=1&disclaimers%5B1%5D%5Btext%5D=After%20the%20stipulated%20time%2C%20rescheduling%20is%20available%20till%202%20hours%20before%20the%20appointment%20time.&disclaimers%5B0%5D%5Btext%5D=Free%20cancellation%20and%20rescheduling%20is%20avail

20will%20not%20be%20available%2C%20and%20a%20fee%20of%2050%20INR%20will%20be%20applicable%20for%20cancellations%20or%20no-shows.&disclaimers%5B1%5D%5Bposition%5D=2&disclaimers_v2%5B0%5D%5Btext%5D=If%20you%20wish%20to%20cancel%20or%20reschedule%2C%20you%20can%20do%20it%20upto%202%20hours%20before%20the%20appointment%20time&disclaimers_v2%5B0%5D%5Bbold_text%5D%5B0%5D=2%20hours%20before&disclaimers_v2%5B0%5D%5Bposition%5D=1&disclaimers_v2%5B0%5D%5Bicon%5D=clock&disclaimers_v2%5B1%5D%5Btext%5D=You%20will%20be%20charged%20Rs%2050%20cancellation%20fee%20if%20you%20cancel%20within%202%20hours%20of%20your%20appointment%20time%20or%20absent&disclaimers_v2%5B1%5D%5Bbold_text%5D%5B0%5D=Rs%2050%20cancellation%20fee&disclaimers_v2%5B1%5D%5Bposition%5D=2&disclaimers_v2%5B1%5D%5Bicon%5D=rupee&disclaimers_v2%5B2%5D%5Btext%5D=However%2C%20in%20the%20event%20of%20doctor%20no%20show%2C%20you%20will%20not%20be%20charged%20a%20cancellation%20fee&disclaimers_v2%5B2%5D%5Bposition%5D=3&disclaimers_v2%5B2%5D%5Bicon%5D=smiley&ul=en-us&de=UTF-8&dt=Book an appointment | Practo&sd=30-bit&sr=1680x1050&vp=1401x440&je=0&_u=AACAAEIJAAAAACAAI~&jid=171898206&gjid=1813082516&cid=1055410137.1675748022&tid=UA-18841050-11&_gid=360759549.1675748022&_r=1&_slc=1&z=247300236

https://www.google.com/pagead/1p-user-list/942004674/?random=1675768765878&random=647617167&cv=11&fst=1675767600000&bg=ffffff&guid=0N&async=1>m=45be3210&u_w=1680&u_h=1050&frm=0&url=https://www.practo.com/appointment/madan-2-hair-transplant-surgeon/561807/book?type=abs&doctor_id=561807&specialization= Dermatologist&appointment_time=2023-02-08%2016%3A00%3A00&appointment_token=NTYxODA3UHJhY3RpY2VEb2N0b3I%3D&prepaid=true&amount=750&discount=0&discount_type=PERCENTAGE&cancellation_fee=50&prepaid_type=payment_optional&cancellation_charge=50&cancellation_fee_type=ABSOLUTE&plus_discount=0&total_amount_to_pay=750&disclaimers%5B0%5D%5Btext%5D=Free%20cancellation%20and%20rescheduling%20is%20avail&ref=https://www.practo.com/bangalore/doctor/madan-2-hair-transplant-surgeon?practice_id=1134625&specialization=Dermatologist&referrer=doctor_listing&tiba=Book an appointment | Practo&data=event=gtag.config&fmt=3&is_vtc=1&rmt_tld=0&ipr=y

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URL: <https://www.facebook.com/tr/>

Request Body (truncated for brevity):

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Content-Disposition: form-data; name="if"

Feature: **Medicines**

This page allows users to find medications and purchase them

The **name of the medication that a user selects** is shared with the following:

- practo.my.salesforce.com
- google-analytics.com
- securepubads.g.doubleclick.net

<https://practo.my.salesforce.com/embeddedservice/5.0/esw.html?parent=https://www.practo.com/health-products/my-dr-pain-relief-oil-8440/p>

https://www.google-analytics.com/j/collect?v=1&_v=j99&a=844208891&t=pageview&_s=1&dl=https://www.practo.com/health-products/my-dr-pain-relief-oil-8440/p&dp=https://www.practo.com/health-products/my-dr-pain-relief-oil-8440/p&ul=en-us&de=UTF-8&dt=My Dr. Herbals Health Products My Dr. Pain Relief Oil - Buy Online at Best Price in India | Practo&sd=30-bit&sr=1680x1050&vp=1386x440&je=0&_u=AACAAEABAAAAACAAI~&jid=65208006&gjid=1507361246&cid=1055410137.1675748022&tid=UA-18841050-46&_gid=360759549.1675748022&_r=1&_slc=1&cd2=1&z=189527083

https://www.google-analytics.com/j/collect?v=1&v=j99&a=844208891&t=pageview&_s=1&dl=https://www.practo.com/health-products/my-dr-pain-relief-oil-8440/p&dp=https://www.practo.com/health-products/my-dr-pain-relief-oil-8440/p&ul=en-us&de=UTF-8&dt=My Dr. Herbals Health Products My Dr. Pain Relief Oil - Buy Online at Best Price in India | Practo&sd=30-bit&sr=1680x1050&vp=1386x440&je=0&_u=AACAAEABAAAAACAAI~&jid=1502470149&gjid=701159384&cid=1055410137.1675748022&tid=UA-18841050-11&_gid=360759549.1675748022&_r=1&_slc=1&z=543740505

https://securepubads.g.doubleclick.net/gampad/ads?pvssid=889489836409581&correlator=2615030956327935&adsid=ChAIgIqInwYQ8Imc1q2k1pQbEi8ArTu-E_ibUGdX8xc8dvqqsbJLdfWAGPZ0PiUKKbd8xZihfI03xGSIx5i00gkWvw&jar=2023-02-07-06&eid=31072029,31071662&output=ldjh&gdfp_req=1&vrg=2023020201&ptt=17&impl=fifs&iu_parts=21830643467,UTM_728x90_Practopedia&enc_prev_ius=/0/1&prev_iu_szs=728x90&ifl=1&adks=4233900796&sfv=1-0-40&cust_params=practo_property=practopedia&sc=1&cookie=ID=09fa582610bf901a:T=1675752172:S=ALNI_MbEA2Tq_DZG57G8fIy005C88HEtVA&gpic=UID=00000bb767cbe4dc:T=1675752172:RT=1675752172:S=ALNI_MaDc_9uboaNKq0HCPd2bT5Hw63tSg&abxe=1&dt=1675770583249&lmt=1675770583&dlt=1675770580309&idt=2736&adx=575&adys=423&biw=1386&bih=440&scr_x=0&scr_y=0&btvi=0&ucis=1&oid=2&color_bg=#FFFFFF&color_border=#000000&u_his=1&u_h=1050&u_w=1680&u_ah=1025&u_aw=1680&u_cd=30&u_sd=2&u_tz=330&bc=31&nvt=2&url=https://www.practo.com/health-products/my-dr-pain-relief-oil-8440/p&ref=https://www.practo.com/health-products/pain-relief/l&frm=20&vis=1&psz=688x110&msz=688x0&fws=0&ohw=0&ga_vid=1055410137.1675748022&ga_sid=1675770583&ga_hid=844208891&ga_fc=true

Feature: **Book a test**

Allows the user to book medical diagnostic tests.

1. Add patient details 2. Select patient address 3. Select time slot

Add patient details

Patient Name *

John Doe

Date of Birth *

Years

Gender *

Male Female Other

Mobile Number (OTP will be sent to this number) *

ex. 91234567890

Email *

you@practo.com

Continue

Your Cart 1 Test

Glycosylated Haemoglobin Blood ₹ 300 ×

practo By Practo Labs ⓘ

Pick up charges ₹ 150

Total ₹ 450.00

The **name of the chosen diagnostic test** is shared with the following third-parties:

- google-analytics.com
- facebook.com
- googleads.g.doubleclick.net
- google.com/pagead
- google.co.in/pagead

When the user attempts to book a test, their **name and phone number** is shared with the following:

- google-analytics.com

https://www.google-analytics.com/collect?v=1&_v=j99&a=1046859292&t=pageview&_s=1&dl=https://www.practo.com/tests/thyroid-profile-total-blood/?city=bangalore&ul=en-us&de=UTF-8&dt=Blood Tests | Book

Diagnostic Tests from Home at Best Prices | Practo&sd=30-bit&sr=1920x1080&vp=1386x440&je=0&_u=SACAAEABAAAAACAAI~&jid=&gjid=&cid=1740253462.1675832122&tid=UA-18841050-47&_gid=1133244919.1675832122&utm=45He3260n815QLXKJX&z=1553522846

https://googleads.g.doubleclick.net/pagead/viewthroughconversion/788798787/?random=1675832149175&cv=11&fst=1675832149175&bg=ffffff&guid=ON&async=1&utm=45He3260&u_w=1920&u_h=1080&hn=www.googleadservices.com&frm=0&url=https://www.practo.com/tests/thyroid-profile-total-blood/p?city=bangalore&ref=https://www.practo.com/&tiba=Blood Tests | Book Diagnostic Tests from Home at Best Prices | Practo&auid=966568112.1675832115&rfmt=3&fmt=4

https://www.google.com/pagead/1p-user-list/788798787/?random=1675832149175&random=1567332236&cv=11&fst=1675828800000&bg=ffffff&guid=ON&async=1&utm=45He3260&u_w=1920&u_h=1080&frm=0&url=https://www.practo.com/tests/thyroid-profile-total-blood/p?city=bangalore&ref=https://www.practo.com/&tiba=Blood Tests | Book Diagnostic Tests from Home at Best Prices | Practo&fmt=3&is_vtc=1&rmt_tld=0&ipr=y

https://www.google.co.in/pagead/1p-user-list/788798787/?random=1675832149175&random=1567332236&cv=11&fst=1675828800000&bg=ffffff&guid=ON&async=1&utm=45He3260&u_w=1920&u_h=1080&frm=0&url=https://www.practo.com/tests/thyroid-profile-total-blood/p?city=bangalore&ref=https://www.practo.com/&tiba=Blood Tests | Book Diagnostic Tests from Home at Best Prices | Practo&fmt=3&is_vtc=1&rmt_tld=1&ipr=y

[https://www.facebook.com/tr/?id=296210344505268&ev=AddToCart&dl=https://www.practo.com/tests/thyroid-profile-total-blood/p?city=bangalore&rl=https://www.practo.com/&if=false&ts=1675832177697&cd\[value\]=400&cd\[currency\]=INR&cd\[content_name\]=\[\]&cd\[content_category\]=HOME_SAMPLE&cd\[content_ids\]=\[1056160\]&cd\[contents\]=\[{"name":"","type":"pathology","id":1056160,"price":400,"master_test_slug":"thyroid-profile-total-blood","homeSampleAvailable":true,"homeSampleChosen":true,"profiles":null,"tag":null,"masterName":"Thyroid Profile Total Blood","highlight":{"html":"","inline_icon":""}}\]&cd\[num_items\]=1&sw=1920&sh=1080&udff\[ct\]=c5508df96097559eba53e0301aaf688926e0c3c6c](https://www.facebook.com/tr/?id=296210344505268&ev=AddToCart&dl=https://www.practo.com/tests/thyroid-profile-total-blood/p?city=bangalore&rl=https://www.practo.com/&if=false&ts=1675832177697&cd[value]=400&cd[currency]=INR&cd[content_name]=[]&cd[content_category]=HOME_SAMPLE&cd[content_ids]=[1056160]&cd[contents]=[{)

5568883defcc6823b6c9e3f&v=2.9.95&r=stable&ec=1&o=2078&fbp=fb.1.1675832122540.1725160604&it=1675832143160&coo=false&tm=1&rqm=GET

https://www.google-analytics.com/j/collect?v=1&_v=j99&a=201655671&t=pageview&_s=1&dl=https://accounts.practo.com/request_otp_registration?source=consult_appointment&mobile=9876452627&name=test&intent=sapphire&view_type=modal&cta_text=Verify+OTP&ul=en-us&de=UTF-8&dt=PractoAccounts&sd=30-bit&sr=1920x1080&vp=&je=0&_u=AACAAEABAAAAACAAI~&jid=&gjid=&cid=1740253462.1675832122&tid=UA-18841050-24&_gid=1133244919.1675832122&_slc=1&z=451647885

Other researched apps

In addition to those we reported on, our partners at CIS also investigated the following apps and websites, their findings are below:

7. MediBuddy

Medibuddy is a health app that allows users to book consultations with doctors, order medications, and book lab tests.

This is an analysis for the non-password protected features of the website because the mobile app requires logging in with a phone number to access features.

There is an existing Exodus report for the mobile app: <https://reports.exodus-privacy.eu.org/en/reports/in.medibuddy/latest/>

7.1 Name and version of the App

Website: <https://www.medibuddy.in/>

Date of analysis: February 2023

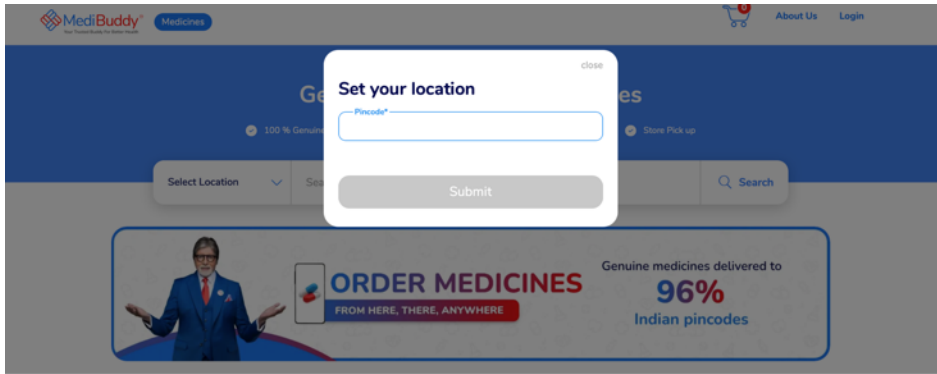
7.2 Trackers

(Identified by Firefox)

- <https://js-agent.newrelic.com>
- <https://bam.eu01.nr-data.net>
- <https://www.google-analytics.com>
- <https://cdn.branch.io>
- <https://connect.facebook.net>
- <https://static.hotjar.com>
- <https://adservice.google.com>
- <https://googleads.g.doubleclick.net>
- <https://script.hotjar.com>
- <https://api2.branch.io>
- <https://vars.hotjar.com>
- <https://www.facebook.com>
- <https://stats.g.doubleclick.net>

7.3 Permissions requested

- Location data - pincode



7.4 Data collection consent banner

No consent banner was presented. There is a privacy policy⁵ linked in the footer of all webpages surveyed.

7.5 Main domain to where the data is shared

<https://www.medibuddy.in/>

7.6 Domains to which advertising ID is sent.

N/A

7.7 Unexpected data sharing

Feature : Book Health Check banner

The landing page has banners that promote services from different parts of the website and provides discounts. Clicking on the banner for “Book a Health Check” identifies which banner has been clicked and sends this information to Google Analytics.

⁵ <https://www.medibuddy.in/privacy-policy>



Consult with Top Doctors Online, 24x7

Start Consultation →



Feature: Medicine Finder

This feature of the website allows users to search for a medical condition to select a medicine or, if already known, search for a specific drug for home delivery.

The URL which includes **user location** (either as a pin code or as the city selected) and **user behaviour** i.e., user's search history comprising the medicine or pharmacy related information that the user is seeking is transferred to the following entities:

- www.facebook.com
- Googleads.g.doubleclick.net

Delhi 110001

Search Medicines

Search

Showing all 10 results for cough

BENADRYL COUGH FORMULA BOTTLE OF 150ML SYRUP

JOHNSON & JOHNSON
BOTTLE

₹ 141 /-*

Add

BENADRYL COUGH FORMULA BOTTLE OF 450ML SYRUP

JOHNSON & JOHNSON
BOTTLE

₹ 251 /-*

- 1 +

BENADRYL COUGH FORMULA BOTTLE OF 50ML SYRUP

JOHNSON & JOHNSON
BOTTLE

₹ 75 /-*

Add



1 Items Added

Go To Cart

Please Note

Price may slightly vary on the payment page basis on the delivery mode you selected

Your selected location 110001 has



Home delivery
Upto 15% Off 24 to 48 hours



Store pickup available
5 hours Upto 10% Off

Feature: Lab Tests and Packages; Vaccination

The web app allows users to book a lab based testing service for which the sample is collected from the user's home. And, the Vaccination page allows users to book a vaccination.

The following entities get the URL when these pages are visited. The url contains **service information** which can be used to infer user browsing behaviour (example: medibuddy.in/vaccinationLanding) :

- Bam.eu01.nr-data.net
- Q.quora.com
- Googleads.g.doubleclick.net
- Facebook.com







Vaccination

Categories

Adult Covid - 19 vaccine (18yrs+)
Starts from ₹ 380



[Book Now](#)

 <p>Kids COVID -19 Starts from ₹ 900</p>	 <p>Flu Starts from ₹ 900</p>	 <p>Thyroid Starts from ₹ 900</p>	 <p>Hepatitis Starts from ₹ 900</p>	 <p>Typhoid Starts from ₹ 900</p>	 <p>Cervical Starts from ₹ 900</p>
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Miscellaneous findings :

- For all features analysed, information is also sent to <https://wzrkt.com/>, however, the message is obfuscated, thus it is hard to identify what is being sent. See Appendix D for a sample request.
- There is also an ID in the attributes for facebook.com that is the same for the user across all the pages on the website (attribute fbp) which might be used to identify browsing behaviour across the domain.

8. Pharmeasy

8.1 Name and version of the App

Website: pharomeasy.in/

Date of analysis: February 2023

8.2 Trackers

(identified by Firefox)

- <https://adservice.google.com>
- <https://www.google-analytics.com>
- <https://login-ds.dotomi.com>
- <https://stats.g.doubleclick.net>
- <https://tags.bluekai.com>
- <https://us-u.openx.net>
- <https://simage2.pubmatic.com>
- <https://login.dotomi.com>

- <https://connect.facebook.net>
- <https://www.facebook.com>

8.3 Permissions requested

None

8.4 Data collection consent banner

None. There is a link to a [privacy policy](#) on the footer of every page.

8.5 Main domain to where the data is sent

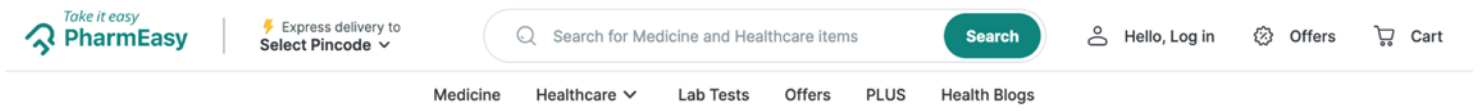
- <https://pharmeasy.in>
- <https://assets.pharmeasy.in>

8.6 Domains to which advertising ID is sent.

N/A

8.7 Unexpected data sharing

Feature: **Buy medicine**



Home > Dolo (Paracetamol) 650mg Strip Of 15 ...



Dolo (Paracetamol) 650mg Strip Of 15 Tablets

By MICRO LABS

15 Tablet(s) in Strip

MRP ₹29.90

₹25.41 15% OFF

Inclusive of all taxes

Add To Cart

Delivery by Today, 5:00 pm - 10:00 pm



7 days return policy [Read More](#)

All the Products are packed and stored Safely

Dolo 650 MG Description

I'm [Dr. Nikita Toshi](#) and I'll be explaining to you about Dolo 650 tablet, a medication used to relieve pain and reduce fever. This has also been medically reviewed by [Dr. Ritu Budania](#) to ensure its accuracy.

[Read more](#)

Please add item(s) to proceed

[View Cart >](#)

Quick links

- [Uses](#) • [Contraindications](#) • [Side effects](#)
- [Precautions and Warnings](#) • [Directions for Use](#)
- [Storage and disposal](#) • [Quick Tips](#) • [Dosage](#)
- [Mode of Action](#) • [Interactions](#)
- [Other Products](#)

Offers just for you

[View All](#)

- ₹300 OFF Flat 15% OFF + Rs. 300 OFF on medicine order. >
- ₹200 OFF Flat 15% OFF + Rs. 200 OFF >

This page allows users to search for and purchase medications. The **search term** (example: paracetamol) and **chosen medication** (example: Dolo 650) are shared with the following entities:

- analytics.google.com
- googleads.g.doubleclick.net
- google.com/pagead
- google.co.in/pagead
- login-ds.dotomi.com
- google-analytics.com
- facebook.com

Additionally, an “**Add to cart**” event is sent to the following entities when a medication is added to the cart for purchase:

- googleads.g.doubleclick.net
- facebook.com
- google-analytics.com
- google.com/pagead
- google.co.in/pagead

The **quantity of the medication** being purchased is shared with the following:

- facebook.com
- google-analytics.com

*Feature: **Book lab tests***

POPULAR CHOICE

Diabetes Care

★ Booked 4465 times

Includes Fasting Blood Sugar (FBS), Blood Urea Nitrogen (BUN), Creatinine + 37 Tests >

₹549 ₹1,199 **54% OFF**

Next slot available: 3-05-2023, 1:00:00 PM

Reports in 15 Hrs

Book Test



**We Strive To Make
India Healthy**

PharmEasy
Labs

Sample Type **Blood** Fasting Required **10-12 Hrs**

Tube Type **Plain,Edta,Fluoride**

Package Includes

- Fasting Blood Sugar (FBS)
- Blood Urea Nitrogen (BUN)
- Creatinine

Show More

Description

The Diabetes Care Package helps screen and diagnose prediabetes, diabetes and other types of diabetes. It provides a range of tests for key diabetes parameters such as Fasting Blood Sugar (FBS), HbA1c, and Average Blood Glucose. In addition, it also includes tests for Complete Blood Count / Hemogram (CBC), Lipid Profile, Thyroid Function, Kidney...

Show More

This page allows users to book medical diagnostic tests. The **name of the chosen test** (example: diabetes care) is shared with the following entities:

- analytics.google.com
- googleads.g.doubleclick.net
- google.com/pagead
- google.co.in/pagead
- login-ds.dotomi.com
- google-analytics.com
- facebook.com

The **cost of the test** is shared with the following:

- facebook.com

Feature: **Health blog**

The health blog shows users health related blogs. The **title of the blog post** being viewed (example: 10 Natural Ways To Check Pregnancy At Home) is shared with the following:

- googleads.g.doubleclick.net
- google-analytics.com

[Home](#) > [Blog](#) > [Home Remedies](#) > 10 Natural Ways To Check Pregnancy At Home

10 Natural Ways To Check Pregnancy At Home

Medically reviewed by [Dr. Nikita Toshi](#)

Last updated: Apr 27, 2023

Click to rate this article!

★★★★☆ [Total: 236 Avg: 3.3]

Becoming a mother is the most joyous thing in a woman's life. But, the path leading to it is uncertain and strenuous and so is taking a pregnancy test at the beginning of this long journey. At the time of taking a pregnancy test, anxiety about the results can get you worked up. Naturally, you would want your pregnancy test to be more of a private affair than a public one in a doctor's lab.

When you are looking for ways of doing home pregnancy tests, you will come across many pregnancy test kits available in a drugstore these days. Studies claim that they are not as accurate as they are portrayed.



Home Remedies



AYURVEDA / DOCTOR'S SPEAK /
FOOD & NUTRITION

टाइफॉइड (Typh...)

By Dr. Nikita Toshi



AYURVEDA / DOCTOR'S SPEAK / FEATURED

वायरल फीवर (...)

By Dr Siddharth Gupta

Feature: **Surgeries**

The surgeries page shows users information about surgeries along with a list of specialists. The **name of the chosen surgery** is shared with the following entities:

- [googleads.g.doubleclick.net](#)
- [google.com/pagead](#)
- [google.co.in/pagead](#)
- [google-analytics.com](#)
- [Facebook.com](#)

9. Sirona

9.1 Name and version of the App

App Name: Sirona

Date of analysis: April 2023

9.2 Trackers

- Adobe Experience Cloud
- CleverTap: analytics, profiling, location
- Facebook Analytics: analytics
- Facebook Login: identification
- Facebook Share
- Google CrashLytics: analytics
- Snowplow: analytics

Source: <https://reports.exodus-privacy.eu.org/en/reports/com.thesirona/latest/>

9.3 Permissions requested

This app requests 22 permissions, including approximate location, calendar, and the ability to update files on the device storage

Source: <https://reports.exodus-privacy.eu.org/en/reports/com.thesirona/latest/>

9.4 Data collection consent banner

There is no consent banner or privacy policy presented until the login screen which comes up for the period tracking and payment features of the app.

Prior to this, users can browse the shop of the Sirona app for products. Browsing the shop for available products is not protected by a phone number.

9.5 Main domain to where the data is sent

- acl.mgapis.com
- Files.thesirona.com - *this is where the website is drawing images etc from*

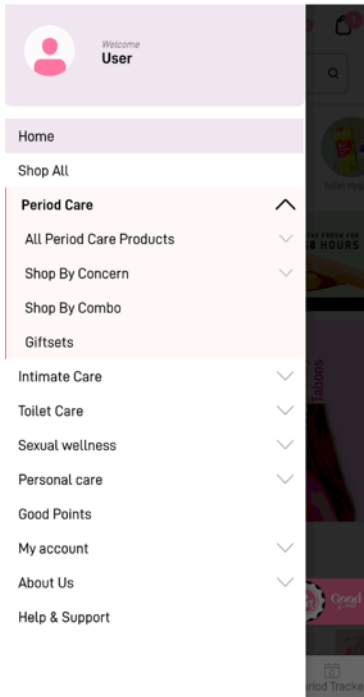
9.6 Domains to which advertising ID is sent.

Not available

9.7 Unexpected data sharing

Feature: **Navigating to a product**

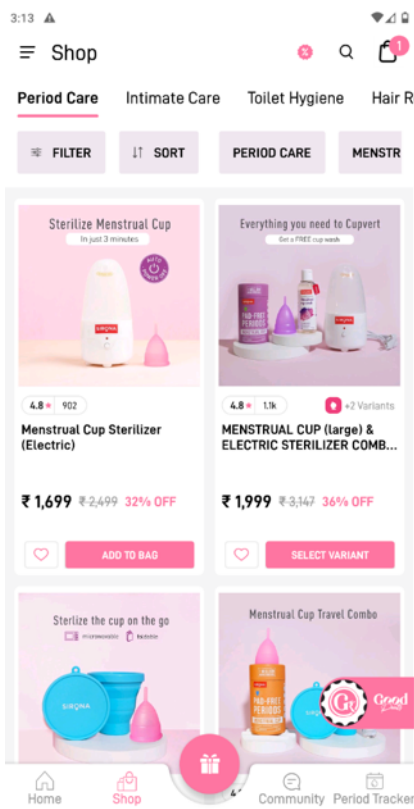
The app has a shop that sells menstrual and feminine hygiene products that users can browse before reaching the password protected features of the app. A user can click on a menu category to bring up all the products being sold by Sirona in that category.



Clicking on a menu category, for example 'Period Care', shares the name of the category clicked with the following:

- myglamm.data.adobedc.net

Feature: A product is selected



Once a product is selected, the following trackers get **the name of the product** example 'menstrual cup steriliser (electric)':

- api2.branch.io
- peve.myglamm.com/com.snowplow/tp2
 - Product info encoded to base 64
- jnn-pa.googleapis.com/\$rpc/google.internal.waav1.Waa/create
- graph.facebook.com

The following get **the cost of the product** selected in addition to the name:

- api2.branch.io
- graph.facebook.com
- peve.myglamm.com/com.snowplow/tp2

Feature: **add to cart**

When a product is added to cart, the following trackers get the event and item name or code

- peve.myglamm.com/com.snowplow/tp2
- graph.facebook.com

Feature: Log in

The intent to log in is picked up the following

- Myglamm.data.adobedc.net
 - The carousel that was clicked: "carousel_3_period tracker_7"
- graph.facebook.com
- firebaseconfig-pa.googleapis.com