ANDROID STATIC ANALYSIS REPORT

pMp COVID-19 (covid-19-1.1.1)

File Name:	pMp COVID-19 covid-19-1.1.1.apk
Package Name:	com.maithu.transplantbuddy.covid19
Average CVSS Score:	6.1
App Security Score:	5/100 (CRITICAL RISK)
Trackers Detection:	6/285

📦 FILE INFORMATION

File Name: pMp COVID-19 covid-19-1.1.1.apk
Size: 36.4MB
MD5: cfb9687d21b1efdd47781634bc0308b5
SHA1: 09d5a2ee66ee1fb81c70e62a5d0743f8b8e0586c
SHA256: 04a41827e1798aa375dcb14cfef74b7fb9a128049deb87500fad9cb49ec62dc2

ⓘ APP INFORMATION

App Name: pMp COVID-19
Package Name: com.maithu.transplantbuddy.covid19
Main Activity: com.maithu.transplantbuddy.MainActivity
Target SDK: 29
Min SDK: 18
Max SDK:
Android Version Name: covid-19-1.1.1
Android Version Code: 409

▣ APP COMPONENTS

Activities: 58
Services: 21
Receivers: 16
Providers: 7
Exported Activities: 1
Exported Services: 4
Exported Receivers: 5
Exported Providers: 0

✲ CERTIFICATE INFORMATION

APK is signed
v1 signature: True
v2 signature: True
v3 signature: False
Found 1 unique certificates
Subject: C=IE, ST=Mayo, L=Ballina, O=Maithú, OU=Development, CN=Michael Thornhill
Signature Algorithm: rsassa_pkcs1v15
Valid From: 2009-09-22 14:18:29+00:00
Valid To: 2034-09-16 14:18:29+00:00
Issuer: C=IE, ST=Mayo, L=Ballina, O=Maithú, OU=Development, CN=Michael Thornhill
Serial Number: 0x4ab8dcb5
Hash Algorithm: sha1
md5: 6297a4d8e5b5e153d9564c543868af35
sha1: 6b5c74d71041a2591b47ca1813a525564c79b66c
sha256: 9d9bcacbf1880d8663e8aca60ca18ffa5e01014f8c5aab778a8c64a03a4fdac3
sha512:

7de85e82c301f6960189cb41aad0522075a2ea825941951b2447d8f7614e25a8f11ab8594ed8fe049449a53f2682bcc915b9bf23abe1c032bc989db929352dce

PublicKey Algorithm: rsa
Bit Size: 1024
Fingerprint: 6281019ee0c0ff23a7628fc0074ad7f8453f816f7bb9a3b018dcfb1031829dff

Certificate Status: Warning

Description: The app is signed with SHA1withRSA. SHA1 hash algorithm is known to have collision issues.The manifest indicates SHA256withRSA is in use. Please verify this manually.

:≡ APPLICATION PERMISSIONS

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.VIBRATE	normal	control vibrator	Allows the application to control the vibrator.
android.permission.INTERNET	dangerous	full Internet access	Allows an application to create network sockets.
android.permission.ACCESS_NETWORK_STATE	normal	view network status	Allows an application to view the status of all networks.
android.permission.RECEIVE_BOOT_COMPLETED	normal	automatically start at boot	Allows an application to start itself as soon as the system has finished booting. This can make it take longer to start the phone and allow the application to slow down the overall phone by always running.
android.permission.CAMERA	dangerous	take pictures and videos	Allows application to take pictures and videos with the camera. This allows the application to collect images that the camera is seeing at any time.
android.permission.BLUETOOTH	dangerous	create Bluetooth connections	Allows an application to view configuration of the local Bluetooth phone and to make and accept connections with paired devices.
android.permission.BLUETOOTH_ADMIN	dangerous	bluetooth administration	Allows an application to configure the local Bluetooth phone and to discover and pair with remote devices.

PERMISSION	STATUS	INFO	DESCRIPTION
android.permission.ACCESS_COARSE_LOCATION	dangerous	coarse (network-based) location	Access coarse location sources, such as the mobile network database, to determine an approximate phone location, where available. Malicious applications can use this to determine approximately where you are.
android.permission.WRITE_EXTERNAL_STORAGE	dangerous	read/modify/delete SD card contents	Allows an application to write to the SD card.
android.permission.READ_EXTERNAL_STORAGE	dangerous	read SD card contents	Allows an application to read from SD Card.
android.permission.ACCESS_FINE_LOCATION	dangerous	fine (GPS) location	Access fine location sources, such as the Global Positioning System on the phone, where available. Malicious applications can use this to determine where you are and may consume additional battery power.
com.maithu.transplantbuddy.covid19.permission.C2D_MESSAGE	signature	Allows cloud to device messaging	Allows the application to receive push notifications.
com.google.android.c2dm.permission.RECEIVE	signature	C2DM permissions	Permission for cloud to device messaging.
android.permission.WAKE_LOCK	dangerous	prevent phone from sleeping	Allows an application to prevent the phone from going to sleep.
com.amazon.device.messaging.permission.RECEIVE	signature	C2DM permissions	Permission for cloud to device messaging.
com.maithu.transplantbuddy.covid19.permission.RECEIVE_ADM_MESSAGE	dangerous	Unknown permission from android reference	Unknown permission from android reference
com.google.android.finsky.permission.BIND_GET_INSTALL_REFERRER_SERVICE	dangerous	Unknown permission from android reference	Unknown permission from android reference

🔎 APKID ANALYSIS

FILE	DETAILS

FILE	DETAILS		
classes.dex	**FINDINGS**	**DETAILS**	
	Anti-VM Code	Build.FINGERPRINT check Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.HARDWARE check Build.TAGS check possible VM check	
	Compiler	dx	
classes2.dex	**FINDINGS**	**DETAILS**	
	Anti Debug Code	Debug.isDebuggerConnected() check	
	Anti-VM Code	Build.MODEL check Build.MANUFACTURER check Build.PRODUCT check Build.HARDWARE check Build.TAGS check network operator name check possible VM check	
	Compiler	dx	

📑 BROWSABLE ACTIVITIES

ACTIVITY	INTENT
com.maithu.transplantbuddy.MainActivity	Schemes: https://, mailto://, Hosts: @string/cms_url, Path Prefixes: /app,
com.maithu.transplantbuddy.my_data.import_data.ImportDataActivity	Schemes: https://, Hosts: @string/cms_url, Path Prefixes: /add_measurement,

🔍 MANIFEST ANALYSIS

ISSUE	SEVERITY	DESCRIPTION
Application Data can be Backed up [android:allowBackup=true]	medium	This flag allows anyone to backup your application data via adb. It allows users who have enabled USB debugging to copy application data off of the device.
Activity (com.maithu.transplantbuddy.my_data.import_data.ImportDataActivity) is not Protected. An intent-filter exists.	high	An Activity is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Activity is explicitly exported.
Service (com.maithu.transplantbuddy.notifications.adherence.AdherenceSyncService) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.BIND_JOB_SERVICE [android:exported=true]	high	A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.
Service (com.maithu.transplantbuddy.notifications.HealthRemindersScheduleService) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.BIND_JOB_SERVICE [android:exported=true]	high	A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.
Broadcast Receiver (com.maithu.transplantbuddy.notifications.StartupReceiver) is not Protected. An intent-filter exists.	high	A Broadcast Receiver is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. The presence of intent-filter indicates that the Broadcast Receiver is explicitly exported.

ISSUE	SEVERITY	DESCRIPTION
Service (com.maithu.transplantbuddy.notifications.NotificationScheduleService) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.BIND_JOB_SERVICE [android:exported=true]	high	A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.
Broadcast Receiver (com.maithu.transplantbuddy.utils.ReferrerHandler) is not Protected. [android:exported=true]	high	A Broadcast Receiver is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device.
Broadcast Receiver (com.google.android.gms.gcm.GcmReceiver) is Protected by a permission, but the protection level of the permission should be checked. Permission: com.google.android.c2dm.permission.SEND [android:exported=true]	high	A Broadcast Receiver is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.
Launch Mode of Activity (io.intercom.android.sdk.activities.IntercomPostActivity) is not standard.	high	An Activity should not be having the launch mode attribute set to "singleTask/singleInstance" as it becomes root Activity and it is possible for other applications to read the contents of the calling Intent. So it is required to use the "standard" launch mode attribute when sensitive information is included in an Intent.
Launch Mode of Activity (io.intercom.android.sdk.activities.IntercomNoteActivity) is not standard.	high	An Activity should not be having the launch mode attribute set to "singleTask/singleInstance" as it becomes root Activity and it is possible for other applications to read the contents of the calling Intent. So it is required to use the "standard" launch mode attribute when sensitive information is included in an Intent.

ISSUE	SEVERITY	DESCRIPTION
Service (com.google.android.gms.auth.api.signin.RevocationBoundService) is Protected by a permission, but the protection level of the permission should be checked. Permission: com.google.android.gms.auth.api.signin.permission.REVOCATION_NOTIFICATION [android:exported=true]	high	A Service is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.
Broadcast Receiver (com.google.firebase.iid.FirebaseInstanceIdReceiver) is Protected by a permission, but the protection level of the permission should be checked. Permission: com.google.android.c2dm.permission.SEND [android:exported=true]	high	A Broadcast Receiver is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.
Broadcast Receiver (com.google.android.gms.measurement.AppMeasurementInstallReferrerReceiver) is Protected by a permission, but the protection level of the permission should be checked. Permission: android.permission.INSTALL_PACKAGES [android:exported=true]	high	A Broadcast Receiver is found to be shared with other apps on the device therefore leaving it accessible to any other application on the device. It is protected by a permission which is not defined in the analysed application. As a result, the protection level of the permission should be checked where it is defined. If it is set to normal or dangerous, a malicious application can request and obtain the permission and interact with the component. If it is set to signature, only applications signed with the same certificate can obtain the permission.

</> CODE ANALYSIS

ISSUE	SEVERITY	STANDARDS	FILES
MD5 is a weak hash known to have hash collisions.	high	**CVSS V2:** 7.4 (high) **CWE:** CWE-327 - Use of a Broken or Risky Cryptographic Algorithm **OWASP Top 10:** M5: Insufficient Cryptography **OWASP MASVS:** MSTG-CRYPTO-4	okio/Buffer.java com/mixpanel/android/java_websocket/drafts/Draft_76.java
			org/slf4j/helpers/SubstituteLogger.java

ISSUE	SEVERITY	STANDARDS	FILES
			org/slf4j/helpers/BasicMarker.java kotlinx/coroutines/JobCancellationException.java kotlinx/coroutines/CoroutineContextKt.java kotlinx/coroutines/CoroutineName.java kotlinx/coroutines/DebugKt.java kotlinx/coroutines/internal/ThreadLocalKey.java kotlinx/coroutines/channels/ValueOrClosed.java io/intercom/retrofit2/Utils.java io/intercom/com/squareup/otto/EventHandler.java io/intercom/com/squareup/otto/EventProducer.java io/intercom/com/bumptech/glide/util/Util.java io/intercom/com/bumptech/glide/util/MultiClassKey.java io/intercom/com/bumptech/glide/signature/MediaStoreSignature.java io/intercom/com/bumptech/glide/signature/ObjectKey.java io/intercom/com/bumptech/glide/load/Option.java io/intercom/com/bumptech/glide/load/Options.java io/intercom/com/bumptech/glide/load/MultiTransformation.java io/intercom/com/bumptech/glide/load/model/GlideUrl.java io/intercom/com/bumptech/glide/load/model/ModelCache.java io/intercom/com/bumptech/glide/load/model/LazyHeaders.java io/intercom/com/bumptech/glide/load/resource/bitmap/CenterInside.java io/intercom/com/bumptech/glide/load/resource/bitmap/CenterCrop.java io/intercom/com/bumptech/glide/load/resource/bitmap/DrawableTransformation.java io/intercom/com/bumptech/glide/load/resource/bitmap/CircleCrop.java io/intercom/com/bumptech/glide/load/resource/bitmap/FitCenter.java io/intercom/com/bumptech/glide/load/resource/bitmap/RoundedCorners.java io/intercom/com/bumptech/glide/load/resource/bitmap/BitmapDrawableTransformation.java io/intercom/com/bumptech/glide/load/resource/gif/GifDrawableTransformation.java io/intercom/com/bumptech/glide/load/engine/EngineKey.java io/intercom/com/bumptech/glide/load/engine/DataCacheKey.java io/intercom/com/bumptech/glide/load/engine/ResourceCacheKey.java io/intercom/com/bumptech/glide/load/engine/prefill/PreFillType.java io/intercom/com/bumptech/glide/load/engine/bitmap_recycle/AttributeStrategy.java io/intercom/com/bumptech/glide/load/engine/bitmap_recycle/LruArrayPool.java io/intercom/com/bumptech/glide/load/engine/bitmap_recycle/SizeConfigStrategy.java io/intercom/com/bumptech/glide/request/SingleRequest.java com/j256/ormlite/dao/LazyForeignCollection.java com/j256/ormlite/dao/EagerForeignCollection.java com/j256/ormlite/dao/DaoManager.java com/j256/ormlite/field/FieldType.java com/j256/ormlite/android/AndroidCompiledStatement.java

ISSUE	SEVERITY	STANDARDS	FILES
			com/j256/ormlite/android/AndroidConnectionSource.java
			com/j256/ormlite/android/AndroidDatabaseConnection.java
			com/j256/ormlite/android/AndroidDatabaseResults.java
			com/j256/ormlite/android/apptools/OrmLiteBaseActivity.java
			com/j256/ormlite/android/apptools/OrmLiteSqliteOpenHelper.java
			com/squareup/otto/EventHandler.java
			com/squareup/otto/EventProducer.java
			com/maithu/transplantbuddy/MainActivity.java
			com/maithu/transplantbuddy/settings/SettingsFragment.java
			com/maithu/transplantbuddy/settings/UnitsSettingsFragment.java
			com/maithu/transplantbuddy/home/HomeCardsFactory.java
			com/maithu/transplantbuddy/tasks/survey/QuestionPagerAdapter.java
			com/maithu/transplantbuddy/tasks/survey/QuestionFragment.java
			com/maithu/transplantbuddy/consents/ConditionConsent.java
			com/maithu/transplantbuddy/activity/FitnessActivitySummaryFragment.java
			com/maithu/transplantbuddy/my_data/GraphTabFragment.java
			com/maithu/transplantbuddy/my_data/GraphsFactory.java
			com/maithu/transplantbuddy/my_data/MyDataFragment.java
			com/maithu/transplantbuddy/my_data/import_data/ImportDataActivity.java
			com/maithu/transplantbuddy/my_data/add_data/AddDataComponentManager.java
			com/maithu/transplantbuddy/my_data/add_data/WeightStLbs.java
			com/maithu/transplantbuddy/my_data/table/MeasurementsTableFragment.java
			com/maithu/transplantbuddy/my_data/add_ranged_data/AddRangeDataViewModel.java
			com/maithu/transplantbuddy/my_data/spirometer/SpirometryResultComponentFactory.java
			com/maithu/transplantbuddy/utils/OAuthWebViewClient.java
			com/maithu/transplantbuddy/utils/Utils.java
			com/maithu/transplantbuddy/utils/UnitUtils.java
			com/maithu/transplantbuddy/stateful_view/ViewState.java
			com/maithu/transplantbuddy/welcome/AppHighlight.java
			com/maithu/transplantbuddy/api/models/BaseModel.java
			com/maithu/transplantbuddy/api/models/HealthGoal.java
			com/maithu/transplantbuddy/api/models/DrugSchedule.java
			com/maithu/transplantbuddy/api/models/StudyCode.java
			com/maithu/transplantbuddy/api/models/HealthReminder.java
			com/maithu/transplantbuddy/api/models/HealthReminderAction.java
This App uses Java Hash Code.		CVSS V2: 2.3 (low)	

ISSUE	SEVERITY	STANDARDS	FILES
It's a weak hash function and should never be used in Secure Crypto Implementation.		**CWE**: CWE-327 - Use of a Broken or Risky Cryptographic Algorithm **OWASP MASVS**: MSTG-CRYPTO-4	com/maithu/transplantbuddy/api/models/ConditionType.java com/maithu/transplantbuddy/api/models/PatientMeasurement.java com/maithu/transplantbuddy/my_profile/MyProfileComponentManager.java com/maithu/transplantbuddy/my_profile/components/MyProfileDialysisDryWeightComponent.java com/maithu/transplantbuddy/my_profile/components/MyProfileVapingComponent.java com/maithu/transplantbuddy/my_profile/components/MyProfileSmokingComponent.java com/maithu/transplantbuddy/my_profile/components/MyProfileHeightComponent.java com/maithu/transplantbuddy/display_image/DisplayPhotoActivity.java com/maithu/transplantbuddy/medication/edit/UpdateMedicationActivity.java com/maithu/transplantbuddy/deep_link/DeepLinkIntentFactory.java com/maithu/transplantbuddy/notifications/HealthRemindersScheduleService.java com/maithu/transplantbuddy/notifications/HealthReminderNotificationHandler.java com/maithu/transplantbuddy/notifications/NotificationScheduleService.java com/maithu/transplantbuddy/notifications/push/PushNotificationHandler.java com/maithu/transplantbuddy/notifications/health_reminders/HealthReminderNotification.java com/intercom/input/gallery/GalleryImage.java com/getsentry/raven/dsn/Dsn.java com/getsentry/raven/event/Event.java com/getsentry/raven/event/interfaces/UserInterface.java com/getsentry/raven/event/interfaces/ExceptionInterface.java com/getsentry/raven/event/interfaces/HttpInterface.java com/getsentry/raven/event/interfaces/SentryException.java com/mixpanel/android/java_websocket/WebSocketImpl.java com/mixpanel/android/mpmetrics/SelectorEvaluator.java com/mixpanel/android/util/MPPair.java com/mixpanel/android/viewcrawler/DynamicEventTracker.java com/mixpanel/android/viewcrawler/ViewSnapshot.java com/mixpanel/android/viewcrawler/ViewVisitor.java com/mixpanel/android/viewcrawler/ViewCrawler.java com/urbanairship/CoreReceiver.java com/urbanairship/Logger.java com/urbanairship/AirshipReceiver.java com/urbanairship/AirshipConfigOptions.java com/urbanairship/widget/UAWebViewClient.java com/urbanairship/util/IvyVersionMatcher.java com/urbanairship/js/Whitelist.java com/urbanairship/location/UALocationManager.java com/urbanairship/remoteconfig/ModuleAdapter.java com/urbanairship/messagecenter/MessageViewAdapter.java com/urbanairship/messagecenter/MessageCenterActivity.java

ISSUE	SEVERITY	STANDARDS	FILES
			com/urbanairship/richpush/InboxJobHandler.java
			com/urbanairship/richpush/RichPushMessage.java
			com/urbanairship/push/TagGroupsMutation.java
			com/urbanairship/push/ChannelRegistrationPayload.java
			com/urbanairship/push/NamedUserJobHandler.java
			com/urbanairship/push/PushManagerJobHandler.java
			com/urbanairship/push/PushMessage.java
			com/urbanairship/push/gcm/GcmPushReceiver.java
			com/urbanairship/push/notifications/StyleNotificationExtender.java
			com/urbanairship/iam/InAppMessageManager.java
			com/urbanairship/iam/ButtonInfo.java
			com/urbanairship/iam/TextInfo.java
			com/urbanairship/iam/TagSelector.java
			com/urbanairship/iam/InAppMessageEvent.java
			com/urbanairship/iam/InAppMessage.java
			com/urbanairship/iam/MediaInfo.java
			com/urbanairship/iam/Audience.java
			com/urbanairship/iam/html/HtmlDisplayContent.java
			com/urbanairship/iam/tags/TagGroupResponse.java
			com/urbanairship/iam/view/InAppViewUtils.java
			com/urbanairship/iam/view/MediaView.java
			com/urbanairship/iam/fullscreen/FullScreenDisplayContent.java
			com/urbanairship/iam/fullscreen/FullScreenActivity.java
			com/urbanairship/iam/modal/ModalDisplayContent.java
			com/urbanairship/iam/modal/ModalActivity.java
			com/urbanairship/iam/custom/CustomDisplayContent.java
			com/urbanairship/iam/banner/BannerAdapter.java
			com/urbanairship/iam/banner/BannerFragment.java
			com/urbanairship/iam/banner/BannerDisplayContent.java
			com/urbanairship/iam/banner/BannerDismissLayout.java
			com/urbanairship/json/JsonMatcher.java
			com/urbanairship/json/JsonMap.java
			com/urbanairship/json/JsonValue.java
			com/urbanairship/json/JsonList.java
			com/urbanairship/json/JsonPredicate.java
			com/urbanairship/json/matchers/ExactValueMatcher.java
			com/urbanairship/json/matchers/ArrayContainsMatcher.java
			com/urbanairship/json/matchers/NumberRangeMatcher.java
			com/urbanairship/json/matchers/VersionMatcher.java
			com/urbanairship/actions/ActionValue.java
			com/urbanairship/actions/EnableFeatureAction.java
			com/urbanairship/automation/ScheduleDelay.java
			com/urbanairship/automation/Trigger.java
			com/urbanairship/automation/ActionScheduleInfo.java
			com/urbanairship/remotedata/RemoteDataJobHandler.java
			com/urbanairship/remotedata/RemoteDataPayload.java
			com/urbanairship/analytics/AnalyticsJobHandler.java
			com/urbanairship/analytics/Analytics.java
			com/spirometry/spirobanksmartsdk/DeviceManager.java

ISSUE	SEVERITY	STANDARDS	FILES
			com/fasterxml/jackson/core/JsonPointer.java com/fasterxml/jackson/core/Base64Variant.java com/fasterxml/jackson/core/Version.java
			com/fasterxml/jackson/core/JsonLocation.java
			com/fasterxml/jackson/core/io/SerializedString.java org/slf4j/helpers/Util.java io/intercom/com/bumptech/glide/Glide.java io/intercom/com/bumptech/glide/util/ContentLengthInputStream.java io/intercom/com/bumptech/glide/util/pool/FactoryPools.java io/intercom/com/bumptech/glide/gifdecoder/StandardGifDecoder.java io/intercom/com/bumptech/glide/gifdecoder/GifHeaderParser.java io/intercom/com/bumptech/glide/manager/RequestManagerFragment.java io/intercom/com/bumptech/glide/manager/DefaultConnectivityMonitor.java io/intercom/com/bumptech/glide/manager/SupportRequestManagerFragment.java io/intercom/com/bumptech/glide/manager/RequestManagerRetriever.java io/intercom/com/bumptech/glide/manager/DefaultConnectivityMonitorFactory.java io/intercom/com/bumptech/glide/load/model/FileLoader.java io/intercom/com/bumptech/glide/load/model/StreamEncoder.java io/intercom/com/bumptech/glide/load/model/ByteBufferEncoder.java io/intercom/com/bumptech/glide/load/model/ByteBufferFileLoader.java io/intercom/com/bumptech/glide/load/model/ResourceLoader.java io/intercom/com/bumptech/glide/load/resource/bitmap/DefaultImageHeaderParser.java io/intercom/com/bumptech/glide/load/resource/bitmap/HardwareConfigState.java io/intercom/com/bumptech/glide/load/resource/bitmap/DrawableToBitmapConverter.java io/intercom/com/bumptech/glide/load/resource/bitmap/BitmapEncoder.java io/intercom/com/bumptech/glide/load/resource/bitmap/Downsampler.java io/intercom/com/bumptech/glide/load/resource/bitmap/TransformationUtils.java io/intercom/com/bumptech/glide/load/resource/gif/GifDrawableEncoder.java io/intercom/com/bumptech/glide/load/resource/gif/ByteBufferGifDecoder.java io/intercom/com/bumptech/glide/load/resource/gif/StreamGifDecoder.java io/intercom/com/bumptech/glide/load/data/AssetPathFetcher.java io/intercom/com/bumptech/glide/load/data/HttpUrlFetcher.java io/intercom/com/bumptech/glide/load/data/LocalUriFetcher.java io/intercom/com/bumptech/glide/load/data/mediastore/ThumbFetcher.java io/intercom/com/bumptech/glide/load/data/mediastore/ThumbnailStreamOpener.java io/intercom/com/bumptech/glide/load/engine/SourceGenerator.java

ISSUE	SEVERITY	STANDARDS	io/intercom/com/bumptech/glide/load/engine/Decod eFilES.java
			io/intercom/com/bumptech/glide/load/engine/Engine .java
			io/intercom/com/bumptech/glide/load/engine/GlideE xception.java
			io/intercom/com/bumptech/glide/load/engine/Decod eJob.java
			io/intercom/com/bumptech/glide/load/engine/cache/ DiskLruCacheWrapper.java
			io/intercom/com/bumptech/glide/load/engine/cache/ MemorySizeCalculator.java
			io/intercom/com/bumptech/glide/load/engine/prefill/ BitmapPreFillRunner.java
			io/intercom/com/bumptech/glide/load/engine/execut or/GlideExecutor.java
			io/intercom/com/bumptech/glide/load/engine/bitma p_recycle/LruArrayPool.java
			io/intercom/com/bumptech/glide/load/engine/bitma p_recycle/LruBitmapPool.java
			io/intercom/com/bumptech/glide/request/SingleRequ est.java
			io/intercom/com/bumptech/glide/request/target/Vie wTarget.java
			uk/co/senab/photoview/PhotoViewAttacher.java
			uk/co/senab/photoview/log/LoggerDefault.java
			com/j256/ormlite/android/AndroidLog.java
			com/j256/ormlite/android/apptools/OrmLiteConfigUt il.java
			com/jjoe64/graphview/GraphView.java
			com/jjoe64/graphview/Viewport.java
			com/jjoe64/graphview/helper/GraphViewXML.java
			com/maithu/transplantbuddy/TransplantApplication.j ava
			com/maithu/transplantbuddy/settings/SettingsFragm ent.java
			com/maithu/transplantbuddy/settings/UnitsSettingsFr agment.java
			com/maithu/transplantbuddy/consents/ConsentActivi ty.java
			com/maithu/transplantbuddy/signup/SignUpActivity.j ava
			com/maithu/transplantbuddy/my_data/MyDataFragm ent.java
The App logs information. Sensitive information should never be logged.	info	**CVSS V2**: 7.5 (high) **CWE**: CWE-532 - Insertion of Sensitive Information into Log File **OWASP MASVS**: MSTG-STORAGE-3	com/maithu/transplantbuddy/my_data/measurement _alerts/MeasurementAlertsSynchronizeService$fetch MeasurementAlerts$modelRequest$2.java
			com/maithu/transplantbuddy/my_data/measurement _alerts/MeasurementAlertsSynchronizeService$fetch MeasurementAlerts$modelRequest$1.java
			com/maithu/transplantbuddy/my_data/measurement _alerts/MeasurementAlertsSynchronizeService.java
			com/maithu/transplantbuddy/db/DatabaseManager.j ava
			com/maithu/transplantbuddy/volley/MockHttpStack.j ava
			com/maithu/transplantbuddy/volley/ModelRequest.ja va
			com/maithu/transplantbuddy/notifications/DrugRemi nderNotificationHandler.java
			com/getsentry/raven/android/RavenUncaughtExcepti onHandler.java
			com/getsentry/raven/android/AndroidRavenFactory.j ava
			com/getsentry/raven/android/Raven.java

ISSUE	SEVERITY	STANDARDS	FILES
			com/getsentry/raven/android/event/helper/AndroidEventBuilderHelper.java
			com/mixpanel/android/mpmetrics/MixpanelFCMMessagingService.java
			com/mixpanel/android/mpmetrics/MixpanelAPI.java
			com/mixpanel/android/mpmetrics/SessionMetadata.java
			com/mixpanel/android/mpmetrics/DecideChecker.java
			com/mixpanel/android/mpmetrics/AnalyticsMessages.java
			com/mixpanel/android/mpmetrics/UpdateDisplayState.java
			com/mixpanel/android/mpmetrics/PersistentIdentity.java
			com/mixpanel/android/mpmetrics/ConfigurationChecker.java
			com/mixpanel/android/mpmetrics/InstallReferrerReceiver.java
			com/mixpanel/android/mpmetrics/InAppNotification.java
			com/mixpanel/android/mpmetrics/MixpanelPushNotification.java
			com/mixpanel/android/mpmetrics/SystemInformation.java
			com/mixpanel/android/mpmetrics/DisplayTrigger.java
			com/mixpanel/android/mpmetrics/InAppButton.java
			com/mixpanel/android/mpmetrics/ConnectIntegrations.java
			com/mixpanel/android/mpmetrics/InAppFragment.java
			com/mixpanel/android/mpmetrics/MPDbAdapter.java
			com/mixpanel/android/mpmetrics/DecideMessages.java
			com/mixpanel/android/mpmetrics/MPConfig.java
			com/mixpanel/android/mpmetrics/ResourceReader.java
			com/mixpanel/android/mpmetrics/Tweaks.java
			com/mixpanel/android/util/ImageStore.java
			com/mixpanel/android/util/MPLog.java
			com/mixpanel/android/util/HttpService.java
			com/mixpanel/android/util/ActivityImageUtils.java
			com/mixpanel/android/takeoverinapp/TakeoverInAppActivity.java
			com/mixpanel/android/viewcrawler/DynamicEventTracker.java
			com/mixpanel/android/viewcrawler/ViewSnapshot.java
			com/mixpanel/android/viewcrawler/ViewVisitor.java
			com/mixpanel/android/viewcrawler/EditorConnection.java
			com/mixpanel/android/viewcrawler/FlipGesture.java
			com/mixpanel/android/viewcrawler/EditProtocol.java
			com/mixpanel/android/viewcrawler/Pathfinder.java
			com/mixpanel/android/viewcrawler/Caller.java
			com/mixpanel/android/viewcrawler/ViewCrawler.java
			com/github/mikephil/charting/renderer/ScatterChartRenderer.java
			com/github/mikephil/charting/listener/BarLineChartTouchListener.java
			com/github/mikephil/charting/charts/BarChart.java
			com/github/mikephil/charting/charts/CombinedChart.java

ISSUE	SEVERITY	STANDARDS	FILES
			com/github/mikephil/charting/charts/Chart.java com/github/mikephil/charting/charts/HorizontalBarChart.java
			com/github/mikephil/charting/charts/PieRadarChartBase.java com/github/mikephil/charting/charts/BarLineChartBase.java com/github/mikephil/charting/utils/FileUtils.java com/github/mikephil/charting/utils/Utils.java com/github/mikephil/charting/components/AxisBase.java com/github/mikephil/charting/data/ChartData.java com/github/mikephil/charting/data/PieEntry.java com/github/mikephil/charting/data/LineDataSet.java com/github/mikephil/charting/data/CombinedData.java com/github/barteksc/pdfviewer/PDFView.java com/shockwave/pdfium/PdfiumCore.java com/urbanairship/Logger.java com/urbanairship/UAirship.java com/urbanairship/Autopilot.java com/urbanairship/push/PushManager.java com/spirometry/spirobanksmartsdk/DeviceManager.java
The App uses an insecure Random Number Generator.	high	**CVSS V2:** 7.5 (high) **CWE:** CWE-330 - Use of Insufficiently Random Values **OWASP Top 10:** M5: Insufficient Cryptography **OWASP MASVS:** MSTG-CRYPTO-6	kotlinx/coroutines/scheduling/CoroutineScheduler.java com/getsentry/raven/connection/RandomEventSampler.java com/mixpanel/android/java_websocket/drafts/Draft_75.java com/mixpanel/android/java_websocket/drafts/Draft_10.java com/mixpanel/android/java_websocket/drafts/Draft_76.java com/mixpanel/android/mpmetrics/MixpanelFCMMessagingService.java com/mixpanel/android/mpmetrics/SessionMetadata.java
			io/intercom/com/bumptech/glide/manager/RequestManagerRetriever.java io/intercom/com/bumptech/glide/load/Option.java io/intercom/com/bumptech/glide/load/engine/DataCacheKey.java io/intercom/com/bumptech/glide/load/engine/ResourceCacheKey.java io/intercom/com/bumptech/glide/load/engine/EngineResource.java com/maithu/transplantbuddy/tracker/MixPanelTracker.java com/maithu/transplantbuddy/user/AccountManager.java com/maithu/transplantbuddy/login/LoginRequest.java com/maithu/transplantbuddy/analytics/AnalyticsIdentifier.java com/getsentry/raven/connection/AbstractConnection.java com/getsentry/raven/marshaller/json/UserInterfaceBinding.java com/getsentry/raven/event/interfaces/UserInterface.java com/mixpanel/android/mpmetrics/UpdateDisplayState.java

ISSUE	SEVERITY	STANDARDS	FILES
			com/mixpanel/android/mpmetrics/DisplayTrigger.jav a
			com/mixpanel/android/mpmetrics/SelectorEvaluator.j ava
			com/mixpanel/android/takeoverinapp/TakeoverInApp Activity.java
			com/mixpanel/android/viewcrawler/ViewCrawler.java
			com/urbanairship/PreferencesDataManager.java
			com/urbanairship/UAirship.java
			com/urbanairship/ChannelCapture.java
			com/urbanairship/ApplicationMetrics.java
			com/urbanairship/PreferenceDataStore.java
			com/urbanairship/Autopilot.java
			com/urbanairship/AirshipConfigOptions.java
			com/urbanairship/util/NotificationIdGenerator.java
			com/urbanairship/util/VersionUtils.java
			com/urbanairship/location/LocationRequestOptions.j ava
			com/urbanairship/location/UALocationManager.java
			com/urbanairship/remoteconfig/DisableInfo.java
			com/urbanairship/remoteconfig/RemoteConfigManag er.java
			com/urbanairship/messagecenter/MessageFragment.j ava
			com/urbanairship/richpush/InboxJobHandler.java
			com/urbanairship/richpush/RichPushMessage.java
			com/urbanairship/richpush/RichPushTable.java
			com/urbanairship/richpush/RichPushUser.java
			com/urbanairship/push/TagGroupRegistrar.java
			com/urbanairship/push/QuietTimeInterval.java
			com/urbanairship/push/TagGroupsMutation.java
			com/urbanairship/push/ChannelRegistrationPayload.j ava
			com/urbanairship/push/NamedUserJobHandler.java
Files may contain hardcoded sensitive informations like usernames, passwords, keys etc.	high	**CVSS V2:** 7.4 (high) **CWE:** CWE-312 - Cleartext Storage of Sensitive Information **OWASP Top 10:** M9: Reverse Engineering **OWASP MASVS:** MSTG-STORAGE-14	com/urbanairship/push/PushManager.java com/urbanairship/push/PushManagerJobHandler.java com/urbanairship/push/NamedUser.java com/urbanairship/push/NamedUserApiClient.java com/urbanairship/push/TagGroupApiClient.java com/urbanairship/push/notifications/PublicNotificatio nExtender.java com/urbanairship/push/notifications/WearableNotific ationExtender.java com/urbanairship/push/notifications/StyleNotification Extender.java com/urbanairship/iam/InAppMessageScheduleInfo.ja va com/urbanairship/iam/InAppMessageManager.java com/urbanairship/iam/InAppMessageActivity.java com/urbanairship/iam/ButtonInfo.java com/urbanairship/iam/InAppRemoteConfig.java com/urbanairship/iam/InAppMessageCache.java com/urbanairship/iam/InAppRemoteDataObserver.ja va com/urbanairship/iam/LegacyInAppMessageManager. java com/urbanairship/iam/TextInfo.java com/urbanairship/iam/DisplayContent.java com/urbanairship/iam/InAppMessage.java com/urbanairship/iam/LegacyInAppMessage.java com/urbanairship/iam/MediaInfo.java com/urbanairship/iam/Audience.java com/urbanairship/iam/tags/TagGroupLookupApiClien t.java com/urbanairship/iam/tags/TagGroupHistorian.java

ISSUE	SEVERITY	STANDARDS	FILES
			com/urbanairship/iam/tags/TagGroupManager.java com/urbanairship/iam/tags/TagGroupResponse.java com/urbanairship/iam/custom/CustomDisplayContent.java com/urbanairship/iam/banner/BannerDisplayContent.java com/urbanairship/json/JsonMatcher.java com/urbanairship/json/matchers/ExactValueMatcher.java com/urbanairship/json/matchers/ArrayContainsMatcher.java com/urbanairship/json/matchers/PresenceMatcher.java com/urbanairship/json/matchers/NumberRangeMatcher.java com/urbanairship/json/matchers/VersionMatcher.java com/urbanairship/job/JobDispatcher.java com/urbanairship/job/JobInfo.java com/urbanairship/actions/RateAppAction.java com/urbanairship/actions/ClipboardAction.java com/urbanairship/actions/FetchDeviceInfoAction.java com/urbanairship/actions/LandingPageAction.java com/urbanairship/actions/LandingPageActivity.java com/urbanairship/actions/ToastAction.java com/urbanairship/actions/tags/BaseTagsAction.java com/urbanairship/wallet/PassRequest.java com/urbanairship/wallet/Pass.java com/urbanairship/wallet/Field.java com/urbanairship/automation/ScheduleDelay.java com/urbanairship/automation/Trigger.java com/urbanairship/automation/ScheduleInfo.java com/urbanairship/automation/ActionScheduleInfo.java com/urbanairship/remotedata/RemoteData.java com/urbanairship/analytics/LocationEvent.java com/urbanairship/analytics/AssociatedIdentifiers.java com/urbanairship/analytics/ScreenTrackingEvent.java com/urbanairship/analytics/Event.java com/urbanairship/analytics/InteractiveNotificationEvent.java com/urbanairship/analytics/Analytics.java com/urbanairship/analytics/AppForegroundEvent.java com/urbanairship/analytics/data/EventManager.java

ISSUE	SEVERITY	STANDARDS	FILES
App uses SQLite Database and execute raw SQL query. Untrusted user input in raw SQL queries can cause SQL Injection. Also sensitive information should be encrypted and written to the database.	high	**CVSS V2:** 5.9 (medium) **CWE:** CWE-89 - Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection') **OWASP Top 10:** M7: Client Code Quality	com/j256/ormlite/android/AndroidCompiledStatement.java com/j256/ormlite/android/AndroidDatabaseConnection.java com/j256/ormlite/android/compat/ApiCompatibility.java com/j256/ormlite/android/compat/BasicApiCompatibility.java com/j256/ormlite/android/compat/JellyBeanApiCompatibility.java com/maithu/transplantbuddy/db/DatabaseManager.java com/mixpanel/android/mpmetrics/MPDbAdapter.java com/urbanairship/PreferencesDataManager.java com/urbanairship/util/DataManager.java com/urbanairship/richpush/RichPushDataManager.java com/urbanairship/automation/AutomationDataManager.java com/urbanairship/remotedata/RemoteDataStore.java com/urbanairship/analytics/data/EventsStorage.java
App creates temp file. Sensitive information should never be written into a temp file.	high	**CVSS V2:** 5.5 (medium) **CWE:** CWE-276 - Incorrect Default Permissions **OWASP Top 10:** M2: Insecure Data Storage **OWASP MASVS:** MSTG-STORAGE-2	com/maithu/transplantbuddy/calendar/CalendarItemActivity.java com/urbanairship/util/BitmapUtils.java
App can read/write to External Storage. Any App can read data written to External Storage.	high	**CVSS V2:** 5.5 (medium) **CWE:** CWE-276 - Incorrect Default Permissions **OWASP Top 10:** M2: Insecure Data Storage **OWASP MASVS:** MSTG-STORAGE-2	com/getsentry/raven/android/event/helper/AndroidEventBuilderHelper.java com/github/mikephil/charting/charts/Chart.java com/github/mikephil/charting/utils/FileUtils.java
This App may have root detection capabilities.	secure	**CVSS V2:** 0 (info) **OWASP MASVS:** MSTG-RESILIENCE-1	com/getsentry/raven/android/event/helper/AndroidEventBuilderHelper.java
This App copies data to clipboard. Sensitive data should not be copied to clipboard as other applications can access it.	info	**CVSS V2:** 0 (info) **OWASP MASVS:** MSTG-STORAGE-10	com/urbanairship/ChannelCapture.java com/urbanairship/actions/ClipboardAction.java

🔍 DOMAIN MALWARE CHECK

DOMAIN	STATUS	GEOLOCATION

DOMAIN	STATUS	GEOLOCATION
api.waqi.info	good	**IP:** 139.162.71.178 **Country:** Japan **Region:** Tokyo **City:** Tokyo **Latitude:** 35.689507 **Longitude:** 139.691696 **View:** [Google Map](#)
hse-covid-19-cms.patientmpower.com	good	**IP:** 54.77.80.36 **Country:** Ireland **Region:** Dublin **City:** Dublin **Latitude:** 53.34399 **Longitude:** -6.26719 **View:** [Google Map](#)
play.google.com	good	**IP:** 216.58.196.142 **Country:** United States of America **Region:** California **City:** Mountain View **Latitude:** 37.405991 **Longitude:** -122.078514 **View:** [Google Map](#)
developer.android.com	good	**IP:** 216.58.196.142 **Country:** United States of America **Region:** California **City:** Mountain View **Latitude:** 37.405991 **Longitude:** -122.078514 **View:** [Google Map](#)
dev.patientbuddy.co	good	No Geolocation information available.
decide.mixpanel.com	good	**IP:** 130.211.34.183 **Country:** United States of America **Region:** California **City:** Mountain View **Latitude:** 37.405991 **Longitude:** -122.078514 **View:** [Google Map](#)
info.patientmpower.com	good	**IP:** 198.185.159.144 **Country:** United States of America **Region:** New York **City:** New York City **Latitude:** 40.734699 **Longitude:** -74.005898 **View:** [Google Map](#)

DOMAIN	STATUS	GEOLOCATION
www.slf4j.org	good	IP: 83.166.144.67 Country: Switzerland Region: Geneve City: Carouge Latitude: 46.180962 Longitude: 6.13921 View: Google Map
remote-data.urbanairship.com	good	IP: 35.201.74.116 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
device-api.urbanairship.com	good	IP: 35.244.184.98 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
github.com	good	IP: 52.64.108.95 Country: Australia Region: New South Wales City: Sydney Latitude: -33.867851 Longitude: 151.207321 View: Google Map
sentry.megsupporttools.com	good	IP: 185.7.185.174 Country: Ireland Region: Clare City: Shannon Latitude: 52.703892 Longitude: -8.86417 View: Google Map
api.mixpanel.com	good	IP: 130.211.34.183 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map
www.googleapis.com	good	IP: 172.217.25.170 Country: United States of America Region: California City: Mountain View Latitude: 37.405991 Longitude: -122.078514 View: Google Map

DOMAIN	STATUS	GEOLOCATION
www2.hse.ie	good	**IP:** 104.41.211.55 **Country:** Ireland **Region:** Dublin **City:** Dublin **Latitude:** 53.34399 **Longitude:** -6.26719 **View:** Google Map
go.urbanairship.com	good	**IP:** 104.116.183.21 **Country:** Australia **Region:** Western Australia **City:** Perth **Latitude:** -31.95224 **Longitude:** 115.861397 **View:** Google Map
dl.urbanairship.com	good	**IP:** 104.116.183.21 **Country:** Australia **Region:** Western Australia **City:** Perth **Latitude:** -31.95224 **Longitude:** 115.861397 **View:** Google Map
.urbanairship.com	good	No Geolocation information available.
.youtube.com	good	No Geolocation information available.
wallet-api.urbanairship.com	good	**IP:** 35.244.226.117 **Country:** United States of America **Region:** California **City:** Mountain View **Latitude:** 37.405991 **Longitude:** -122.078514 **View:** Google Map
patient-buddy.firebaseio.com	good	**IP:** 35.201.97.85 **Country:** United States of America **Region:** California **City:** Mountain View **Latitude:** 37.405991 **Longitude:** -122.078514 **View:** Google Map
combine.urbanairship.com	good	**IP:** 35.190.53.75 **Country:** United States of America **Region:** California **City:** Mountain View **Latitude:** 37.405991 **Longitude:** -122.078514 **View:** Google Map

🌐 URLS

URL	FILE
http://www.slf4j.org/codes.html#no_static_mdc_binder http://www.slf4j.org/codes.html#null_MDCA	org/slf4j/MDC.java
http://www.slf4j.org/codes.html http://www.slf4j.org/codes.html#loggerNameMismatch http://www.slf4j.org/codes.html#multiple_bindings http://www.slf4j.org/codes.html#StaticLoggerBinder http://www.slf4j.org/codes.html#null_LF http://www.slf4j.org/codes.html#replay http://www.slf4j.org/codes.html#substituteLogger http://www.slf4j.org/codes.html#unsuccessfulInit http://www.slf4j.org/codes.html#version_mismatch	org/slf4j/LoggerFactory.java
http://localhost/	io/intercom/retrofit2/Response.java
file:///android_asset/	io/intercom/com/bumptech/glide/load/model/AssetUriLoader.java
data:image	io/intercom/com/bumptech/glide/load/model/DataUrlLoader.java
https://developer.android.com/guide/topics/graphics/hardware-accel.html	com/jjoe64/graphview/GraphView.java
https://play.google.com/store/apps/details?id=com.maithu.transplantbuddy.covid19	com/maithu/transplantbuddy/BaseActivity.java
https://hse-covid-19-cms.patientmpower.com/ https://586e9439512a4968943b806bd2f95c52:7d8e4336de1549b3bda1ef4bc8b6b497@sentry.megsupporttools.com/12 https://api.waqi.info/feed/geo:%p1/	com/maithu/transplantbuddy/BuildConfig.java
https://hse-covid-19-cms.patientmpower.com/data_sources/api/tokens/?service= https://hse-covid-19-cms.patientmpower.com/app/	com/maithu/transplantbuddy/settings/data_sources/AddSourceActivity.java
https://api.waqi.info/feed/geo:%p1/	com/maithu/transplantbuddy/home/AirQualityService.java
https://www.googleapis.com/auth/calendar	com/maithu/transplantbuddy/signup/SignUpActivity.java
https://hse-covid-19-cms.patientmpower.com/	com/maithu/transplantbuddy/utils/ImageGetter.java
https://hse-covid-19-cms.patientmpower.com/	com/maithu/transplantbuddy/add_friend/InvitationManager.java

URL	FILE
https://hse-covid-19-cms.patientmpower.com/api/adherence/ https://hse-covid-19-cms.patientmpower.com/prom/api/agreements/ https://hse-covid-19-cms.patientmpower.com/api/ https://hse-covid-19-cms.patientmpower.com/api/appointment/ https://hse-covid-19-cms.patientmpower.com/api/articles/ https://hse-covid-19-cms.patientmpower.com/api/auth/password/change/ https://hse-covid-19-cms.patientmpower.com/api/auth/password/reset/ https://hse-covid-19-cms.patientmpower.com/api/auth/password/reset/confirm/ https://hse-covid-19-cms.patientmpower.com/ https://hse-covid-19-cms.patientmpower.com/api/condition/ https://hse-covid-19-cms.patientmpower.com/api/condition_type/%s/sub_types/ https://hse-covid-19-cms.patientmpower.com/api/condition_type/ https://hse-covid-19-cms.patientmpower.com/api/consent_agreement/ https://hse-covid-19-cms.patientmpower.com/api/country/ https://hse-covid-19-cms.patientmpower.com/data_sources/api/ https://hse-covid-19-cms.patientmpower.com/data_sources/api/tokens/ https://hse-covid-19-cms.patientmpower.com/api/drug/ https://hse-covid-19-cms.patientmpower.com/api/auth/registration/verify-email/ https://hse-covid-19-cms.patientmpower.com/data_sources/api/firmware/ https://hse-covid-19-cms.patientmpower.com/api/patient_measurement/fitness_summary/ https://hse-covid-19-cms.patientmpower.com/prom/api/%s/schema https://hse-covid-19-cms.patientmpower.com/haemodialysis/api/haemodialysis/ https://hse-covid-19-cms.patientmpower.com/api/health_goals/ https://hse-covid-19-cms.patientmpower.com/api/health_journal/ https://hse-covid-19-cms.patientmpower.com/api/health_journal_tags/ https://hse-covid-19-cms.patientmpower.com/api/home/ https://hse-covid-19-cms.patientmpower.com/api/hospital/ https://hse-covid-19-cms.patientmpower.com/api/information/ https://hse-covid-19-cms.patientmpower.com/api/friend_invitations/ https://hse-covid-19-cms.patientmpower.com/api/measurement_alerts/ https://hse-covid-19-cms.patientmpower.com/data_sources/api/oauth/ https://hse-covid-19-cms.patientmpower.com/api/patient/ https://hse-covid-19-cms.patientmpower.com/api/patient_measurement/ https://hse-covid-19-cms.patientmpower.com/api/patient_measurement/pdf_report/ https://hse-covid-19-cms.patientmpower.com/prom/api/ https://hse-covid-19-cms.patientmpower.com/api/auth/registration/ https://hse-covid-19-cms.patientmpower.com/api/auth/registration/finalize https://hse-covid-19-cms.patientmpower.com/api/reminder/ https://hse-covid-19-cms.patientmpower.com/api/reminder_actions/ https://hse-covid-19-cms.patientmpower.com/api/reminder_templates/aggregate/ https://hse-covid-19-cms.patientmpower.com/api/schedule/ https://hse-covid-19-cms.patientmpower.com/api/auth/social/google/ https://hse-covid-19-cms.patientmpower.com/prom/api/studies/ https://hse-covid-19-cms.patientmpower.com/prom/api/%s/ https://hse-covid-19-cms.patientmpower.com/api/surgical_procedure/ https://hse-covid-19-cms.patientmpower.com/prom/api/surveys/ https://hse-covid-19-cms.patientmpower.com/api/auth/token-auth/ https://hse-covid-19-cms.patientmpower.com/api/condition_type/%s/treatments https://hse-covid-19-cms.patientmpower.com/api/unit_preferences/ https://hse-covid-19-cms.patientmpower.com/blog/2016/10/10/countries-patient mpower-supports/	com/maithu/transplantbuddy/api/ApiConstants.java
https://hse-covid-19-cms.patientmpower.com/	com/maithu/transplantbuddy/api/models/PatientMeasurement.java
https://info.patientmpower.com/why-we-ask-for-your-ethnicity/	com/maithu/transplantbuddy/my_profile/components/MyProfileEthnicityComponent.java

URL	FILE
http://dev.patientbuddy.co/media/.* http://dev.patientbuddy.co/media/compliance/.*	com/maithu/transplantbuddy/volley/MockHttpStack.java
https://www.googleapis.com/auth/calendar	com/maithu/transplantbuddy/login/LoginActivity.java
https://github.com/getsentry/raven-java/#custom-ravenfactory	com/getsentry/raven/RavenFactory.java
https://github.com/mixpanel/mixpanel-android/issues/567)	com/mixpanel/android/mpmetrics/AnalyticsMessages.java
https://decide.mixpanel.com/decide https://api.mixpanel.com/track?ip= https://api.mixpanel.com/groups https://api.mixpanel.com/engage	com/mixpanel/android/util/MPConstants.java
https://go.urbanairship.com/	com/urbanairship/ChannelCapture.java
https://combine.urbanairship.com/ https://device-api.urbanairship.com/ https://dl.urbanairship.com/aaa/ https://remote-data.urbanairship.com/ https://wallet-api.urbanairship.com	com/urbanairship/AirshipConfigOptions.java
https://*.urbanairship.com https://*.youtube.com	com/urbanairship/js/Whitelist.java
https://play.google.com/store/apps/details?id=	com/urbanairship/actions/RateAppAction.java
https://www2.hse.ie/coronavirus/ https://patient-buddy.firebaseio.com	Android String Resource

🗄 FIREBASE DATABASES

FIREBASE URL	DETAILS
https://patient-buddy.firebaseio.com	info App talks to a Firebase Database.

✉ EMAILS

EMAIL	FILE
7d8e4336de1549b3bda1ef4bc8b6b497@sentry.megsupporttools	com/maithu/transplantbuddy/BuildConfig.java
info@patientmpower.com	com/maithu/transplantbuddy/api/ApiConstants.java
info@patientmpower.com	com/maithu/transplantbuddy/medication/DrugListDialogFragment.java

EMAIL	FILE
info@patientmpower.com support@patientmpower.com	Android String Resource

🕵 TRACKERS

TRACKER	URL
Google Analytics	https://reports.exodus-privacy.eu.org/trackers/48
Google CrashLytics	https://reports.exodus-privacy.eu.org/trackers/27
Google Firebase Analytics	https://reports.exodus-privacy.eu.org/trackers/49
Google Tag Manager	https://reports.exodus-privacy.eu.org/trackers/105
MixPanel	https://reports.exodus-privacy.eu.org/trackers/118
Urbanairship	https://reports.exodus-privacy.eu.org/trackers/123

▷ PLAYSTORE INFORMATION

Title: patientMpower for COVID-19

Score: 0.0 **Installs:** 1,000+ **Price:** 0 **Android Version Support:** 4.3 and up **Category:** Health & Fitness **Play Store URL:** com.maithu.transplantbuddy.covid19

Developer Details: patientMpower, patientMpower, The Digital Depot Thomas St Dublin D08 TCV4 Ireland, https://info.patientmpower.com/, info+covid-19@patientmpower.com,

Release Date: Mar 15, 2020 **Privacy Policy:** Privacy link

Description:

The patientMpower for COVID-19 app is for people in the Republic of Ireland who have been enrolled in the COVID-19 remote monitoring programme by a healthcare professional. The patientMpower for COVID-19 app will allow you to monitor your COVID-19 symptoms and health information such as your oxygen levels and temperature whilst you are in self-isolation. This information will be shared confidentially with trained personnel at dedicated monitoring centres. They will be able to see your information immediately. Monitoring will enable healthcare professionals to assess if you are recovering well whilst in isolation or if you need additional support (e.g. extra treatments at home or if you need to go to hospital). It is recommended that you consent to using location services after downloading this app. If you don't want to consent to sharing your location you can continue to use the app. The location information will be de-identified and used for research into COVID-19. KEY FEATURES - Monitors your oxygen saturation (using a device called a pulse oximeter), which is important to track to ensure you are recovering from COVID-19 - Tracks your symptoms including breathlessness - Records details of relevant underlying conditions and your existing medications - Anonymised location monitoring, to help us understand trends of COVID-19 across Ireland and plan resources to best deliver healthcare - Confidential health data viewable in real time by healthcare professionals at monitoring centres patientMpower are an Irish digital health company who are experienced in providing home monitoring platforms for people with lung conditions. If you need help installing the app or need any technical support please email support@patientMpower.com. IMPORTANT: This app cannot provide medical intervention in the event of an emergency. If you experience a rapid worsening of symptoms or severe breathing difficulties please contact 999 or 112. Privacy policy: https://info.patientmpower.com/covid19-privacy-policy

App Security Score Calculation

Every app is given an ideal score of 100 to begin with.
For every findings with severity high we reduce 15 from the score.
For every findings with severity warning we reduce 10 from the score.
For every findings with severity good we add 5 to the score.

If the calculated score is greater than 100, then the app security score is considered as 100.
And if the calculated score is less than 0, then the app security score is considered as 10.

Risk Calculation

APP SECURITY SCORE	RISK
0 - 15	CRITICAL
16 - 40	HIGH
41 - 70	MEDIUM
71 - 100	LOW

Report Generated by - MobSF v3.0.8 Beta

Mobile Security Framework (MobSF) is an automated, all-in-one mobile application (Android/iOS/Windows) pen-testing, malware analysis and security assessment framework capable of performing static and dynamic analysis.

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