**VeriWrite Compliance for Clinical Data**

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[**FHIR @hack 2021**](https://devpost.us2.list-manage.com/track/click?u=4812d3b2b48f57c38070d62e7&id=801e6f8890&e=861c76b535)

**Problem statement:**

Healthcare providers regularly collect sensitive medical information about their patients.

This forces clinicians to spend excessive amounts of time on data entry, and burdens hospitals with the responsibility of organizing, maintaining, and protecting a massive database of confidential patient records.

Develop a solution that prioritizes patient/clinician experience.

**VeriWrite compliance and Companion Card details:**

**Name(\*):**

**Sex(\*): Age(\*): Blood Group(\*):**

**Vital Health details**

**Medical history with record of immunization:**

**Medical history Details:**

**Immunization Details:**

**Whether on prescription medicines? Yes/No**

**Details:**

**Whether under treatment? Yes/No**

**Details:**

**Any adverse drug reactions:**

**Serum protein recording (for COVID-19 interpretations):**

**[ ] Normal [ ] Evaluation needed [ ] Unknown**

**Any life changing condition (if relevant):**

**Any sensitivity to priority infections or pathogens:**

**Any Anti-microbial resistance incidences (if relevant):**

**COVID 19 (status \*):**

**[ ] Normal [ ] Family incidence [ ] Quarantined**

**[ ] Treated and Recovered [ ] Recovering**

**[ ] Not tested appropriately**

**Last COVID/respiratory illness incidence:**

**Last major complaint:**

**Last bacterium complaint:**

**First-aid or Emergency services (medication, medical equipment registration for emergency admission & need for treatment details, whom to contact numbers):**

**Linked AADHAAR/ Social Security No/Seamless Care No (\*):**

**Linked with Healthcare (Claim \*): Yes/No**

**Policy No:**

**Assistance needed in paying for services (\*): Yes/No**

**Need for assistance:**

**Card Information Storage provisions (to store data transferred or recorded):**

**[ ] VeriWrite Data services (**NEW, VeriWrite infra, a “card data” read, write, update, delete mechanism where data may be complete or key hole specific**)**

**[ ] GPS Card KeyHoleData loggers** (NEW, OGC KML Standard, a “card information” storage mechanism or a “card information” transfer mechanism)

**[ ] Prescription Data logger** (NEW, VeriWrite infra, a “prescription with card information” reader with enabling storage mechanism)

**[ ] Diagnostic Summary Data logger** (NEW, VeriWrite infra, a “diagnostic summary with card information” reader with enabling storage mechanism)

**[ ] Healthcare Policy Data logger** (NEW, VeriWrite infra, a “healthcare policy with card information” reader with enabling storage mechanism)

**Card Information Transfer provisions:**

**[ ] VeriWrite Dashboard services (NEW, VeriWrite infra)**

**[ ] @mosphere using @sign (NEW, @ infra)**

**[ ] Whatsapp using mobile number**

**[ ] VeriWrite Email**

In this sheet the fields marked by \* are mandatory and need to be filled almost always.

**Line-Icon specific Details**

The Line Icons associated with this card are

[+] Selective First-Aid details

[+] Food sensitivity and allergies

[+] Drug allergies

[+] Risk differentiator / Physical disabilities

[+] Wear-ons details

**Selective First-Aid details**

**Food sensitivity and allergies**

**Drug allergies**

**Risk differentiator / Physical disabilities**

**Wear-ons details**

**C & S sheet (As guided by a VeriWrite Compliance circular)**

**VeriWrite No (if lookup possible):**

**OR Practitioner No/Practitioner-Provider No:**

**Dated:**

**(-) Record Confidentiality & Sensitivity (C & S) Details**

**Select mode of recording Confidential & Sensitive details:**

**[ ] Recorded or entered by the practitioner into database**

**[ ] Written down as diagnosis summary in C & S format for confidential access**

**[ ] Written down in prescriptions in C & S format for confidential access**

**[ ] Recorded officially by the record keeping department**

**1. Select Confidentiality & Sensitivity (C & S) level of access:**

**[ ] Not to be disclosed without permission (Sensitive information, where the @sign regulation could help)**

**[ ] Exclusively confidential (available only to Patient – Practitioner)**

**[ ] Normatively confidential (available only to Patient – Practitioner – Provider)**

**[ ] Not confidential**

**2. VeriWrite Compliance**

**Clinical data Details (that are considered Confidential and/or Sensitive):**

**Disease details (that are considered Confidential and/or Sensitive):**

**Procedures / Operations details (that are considered Confidential and/or Sensitive):**

**The following details are important for the records keeping department/systems**

The section can also design database pooling or clustering of clinical data with the help of different databases such as the Master DB, Physicians DB, Practitioner/Consultant DB, Disease DB, Procedures/Operations DB, Department wise DB, Location specific DB, Quality Indicator DB, Machine Learning Algorithm DB. This will regulate what is normally implemented today as a **Normatively confidential to Exclusively confidential** as relevant **to the case. Also the Not to be disclosed without permission setting** will need a “not to disclose without permission policy” to be followed, by all practitioners/records keeping personnel.

If there is a **Not-applicable status** in the C & S section then the records keeping department need not implement any database pool or cluster for the data being recorded.

If there is a **No status** in the C & S section then the records keeping department need not use any database pool or cluster for the data being recorded.

If the records management database is simple or conventionally old, then the C & S section can help plan activation of selective databases as on a need basis, that is, if the records management database is incorporated with the VeriWrite solution, then the **Required status** in the C & S section can enable activation of a selective database as on a need basis.

If the records management database is incorporated with the VeriWrite solution, then the **Yes status** in the C & S section identifies that a VeriWrite No & some Companion Card and **Line-Icon** data will be recorded in a selective database with indexing.

INDEX

**Cluster Dashboard**

Master DB

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**X**

**T**

**E**

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**N**

**A**

**L**

**V**

**I**

**E**

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**A**

**C**

**C**

**E**

**S**

**S**

Physicians DB

Disease DB

Procedures/Operations DB

Department wise DB

Location specific DB

Quality Indicator DB

**VeriWrite Dashboard**

Practitioner/Consultant DB

Confidential & Sensitive

Confidential & Sensitive

VeriWrite Clinical Records DB

**Card Storage and Information Transfer provisions**

Line Icon data and Machine Learning Algorithm DB

Companion

Card + Sheets

**Practitioner-Provider services**

**Clusters for Practitioner-Provider services**

**(Priority 1) Master Index Details**

**System activated: Yes/No/Required/Not applicable**

**(Priority 2) Physicians Index Details**

**System activated: Yes/No/Required/Not applicable**

**(Priority 3) Practitioner / Consultant Index Details**

**System activated: Yes/No/Required/Not applicable**

**(C & S Priority 4) Disease Index Details**

**System activated: Yes/No/Required/Not applicable**

**(C & S Priority 5) Procedures / Operations Index Details**

**System activated: Yes/No/Required/Not applicable**

**(Priority 6) Department wise Index Details**

**System activated: Yes/No/Required/Not applicable**

**(Priority 7) Location wise Index Details**

**System activated: Yes/No/Required/Not applicable**

**(Priority 8) Records Quality Indicator Index Details**

**System activated: Yes/No/Required/Not applicable**

**(Priority 9) Records Line Icon and Machine Learning Algorithm Index Details**

**System activated: Yes/No/Required/Not applicable**

**Line Icon Services**

**(Priority 1) Selective First-Aid Index details**

**System activated: Yes/No/Required/Not applicable**

**(Priority 2) Wear-ons Index details**

**System activated: Yes/No/Required/Not applicable**

**(Priority 3) Drug allergies Index details**

**System activated: Yes/No/Required/Not applicable**

**(Priority 4) Risk differentiator or Physical disabilities Index details**

**System activated: Yes/No/Required/Not applicable**

**(Priority 5) Food sensitivity and allergies Index details**

**System activated: Yes/No/Required/Not applicable**

**Line Icon Services (vitals beyond Disease and Procedures)**

The Line Icon solution looks at creating data pools for vitals beyond Disease and Procedures, like the ones mentioned in Page 14.

These data pools could be accessed by Line Icon platforms that design solutions for these issues or threats. The solutions could be introduced to people either via the provider-practitioner framework or by the practitionerframework or by a Secure Your Health network, Disaster management services network or First Aid services network.

**Line Icon Services (vitals beyond Disease and Procedures)**

(Priority 1) Selective First-Aid Index details

System activated: Yes/No/Required/Not applicable

(Priority 2) Wear-ons Index details

System activated: Yes/No/Required/Not applicable

(Priority 3) Drug allergies Index details

System activated: Yes/No/Required/Not applicable

(Priority 4) Risk differentiator or Physical disabilities Index details

System activated: Yes/No/Required/Not applicable

(Priority 5) Food sensitivity and allergies Index details

System activated: Yes/No/Required/Not applicable

**Line Icon Services (vitals beyond Disease and Procedures)**

Secure Your Health networks could rely on Location wise Data and access of any instantiation of Difference To Society (D2S) programmes that help a healthcare provider, or practitioner or consultant use information about the Health, Growth and Immunity (HGI) influencers in a location. Details are included in the document “4 - D2S programme for HGI”.

Disaster management services networks could use Location wise Data to understand whether the Location of interest implements any Relief or Impact Management Model. Details are included in the document “5 - Relief Work Management”.

**Practitioner Services (This can extend in scope to VeriWrite problem solving for Line Icon Services)**

**(Priority 1) Master Index Details**

**System activated: Yes/No/Required/Not applicable**

**(C & S Priority 2) Disease Index Details**

**System activated: Yes/No/Required/Not applicable**

**(C & S Priority 3) Procedures / Operations Index Details**

**System activated: Yes/No/Required/Not applicable**

**(Priority 4) Records Line Icon and Machine Learning Algorithm Index Details**

**System activated: Yes/No/Required/Not applicable**

Master DB

**Cluster Dashboard**

**Card Storage and Information Transfer provisions**

Companion

Card + Sheets

VeriWrite Clinical Records DB

**E**

**X**

**T**

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**S**

**S**

Practitioner DB mainly but will also hold a VeriWrite specific Practitioner / Consultant Index

Line Icon data and Machine Learning Algorithm DB

Confidential & Sensitive

Confidential & Sensitive

**VeriWrite Dashboard**

INDEX

Procedures/Operations DB

Disease DB