

ScanForm

Capture digital data from handwritten forms

With ScanForm, handwriting on paper is transcribed into digital data with a single smartphone photo. Once the photo is uploaded, artificial intelligence (AI) extracts all information to automatically create custom summary statistics and visual analytics in under 60 seconds.

Flexible and interoperable, ScanForm is a digital solution that simultaneously improves data quality and saves time by eliminating manual data entry. ScanForm performs data quality assessments (DQAs) and source data verification with each image, reducing costs for audits and monitoring and evaluation (M&E) activities.

No more duplicative data reporting.

Higher accuracy and faster analytics from paper, for more confident decision making: that's ScanForm.

How it works



1. Write on paperUse any form factor, A3, A4, A5 ... it's up to you!



2. Take a pictureTypical \$100
phone/tablet is OK!



3. Data is digitized In under 60 seconds!



4. Use the dataReal-time data analysis and summary reports!











Advantages

Paper guarantees that data entry is familiar and scalable, and ScanForm ensures that data will be received correctly. Since 2018, ScanForm has grown exponentially with over 15 million patient records processed in sub-Saharan Africa ... and still counting!



Money + time saved

- Eliminate manual data entry, because handwriting is auto-transcribed
- Eliminate physical source data verification, because an image of each form is accessible digitally
- More affordable to deploy and maintain, compared to electronic medical records
 - Sustainable and easy for ministries of health (MOHs) to adopt
 - Does not require hiring additional data clerks
 - More trustworthy experience for HIV patients and refugees



Accurate + expedient analytics

- Self-learning OCR>98% and calibrated with local handwriting
- Real-time summary statistics and data quality reports
- Ability to rapidly identify and resolve data discrepancies



Scalable + simple

- No stable electricity, scanners, computers, or stable network needed
- No physical removal of forms
- Paper is easier to use than tablets or PCs
- Broadly deployable in the community

How does ScanForm reduce costs?

- Eliminates repetitive expenditures for implementing partners (IPs) by auto-transcribing data from routine registers to auto-calculate summary stats immediately and reliably
- DQAs are integrated within the data collection workflow, resulting in comprehensive confidence in data quality

Without ScanForm, IPs can spend 30-40% of their budgets on data extraction and typing alone. In one example country from Sub-Saharan Africa, over 25K USD can be spent per month for every 50 facilities, amounting to many millions per year at national scale.

Solutions and Use Cases



Surveillance

In places with limited digital infrastructure, ScanForm enables accurate data collection in 60 seconds for time-sensitive analyses and action, with minimal technology required. The ability to detect epidemic threats in real-time is critical for response efforts and preventing further transmission.

COVID-19, household surveys, malaria monitoring and under-5 mortality surveillance led by +20,000 community volunteers in Kenya.

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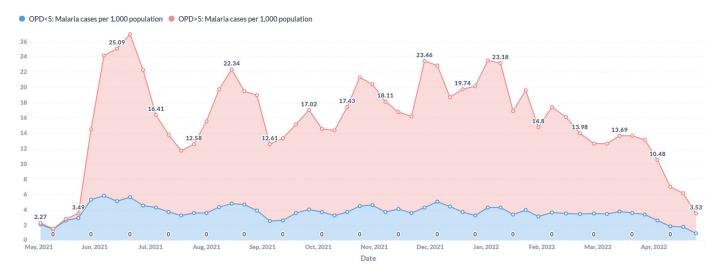
Routine Reporting

We work with MOHs to make their national registers scannable with ScanForm. All the same data is captured as before, but now enhanced with auto-generated summaries, DHIS2 stats, and data quality assessments.

Scale up of 3 national HIV testing registers to all 760+ sites in Malawi

Registers Converted Into ScanForm: ANC, CHV, CWC, DAR, HTS, IDSR, IPD, OPD <5, OPD >5, PNC, ... and more.

Weekly malaria cases auto-calculated from OPD <5 and >5 registers





Clinical Trials

Protocols for clinical trials involve complex eligibility and screening requirements to inform individual-level grouping into cohorts or cases vs. controls. Detailed follow up is required for each participant which is easily monitored with ScanForm, especially at sites with limited electricity and network. ScanForm also ensures legal compliance when a paper record trail is required.

IMPROVE-2

2019-2022 | Kenya, Malawi, Tanzania

Evaluating malaria treatments and prevention strategies for pregnant women in Kenya, Malawi and Tanzania

MalCOV

2021-2023 | Burkina Faso, Kenya

Assessing COVID-19 and malaria coinfection with antimalarial treatments in Burkina Faso and Kenya

MiMBa

2021-2024 | Kenya

Collecting antimalarial safety data for pregnant mothers and neonates in Kenya



Human Rights

Borders and detention centers have strong infrastructural constraints, prohibiting lawyers from using phones or laptops. Legal assistance for refugees is supported by paper forms, which are more trustworthy for clients, and are made scannable with ScanForm.

Over 3,000 backlogged cases digitized at the US-Mexico border to build legal defenses and psych. trauma evaluations





Where we are











KENYA MALAWI BURKINA FASO

MEXICO

IANZANIA

ScanForm is going to national scale in Malawi.

From piloted HIV clinics, 100% of HTS providers stated data collection and reporting is faster with ScanForm

In Homabay and Migori counties (Kenya), 84% of CHMT officers voted for ScanForm as a superior solution for routine data collection and timely malaria surveillance

Interested in ScanForm for your next project?

Contact us!

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Thanks to support from:









