CÔTE D'IVOIRE

Snapshot of the Strength of the Health Information System as a Source of HIV Data

Health information systems (HIS) are important tools in combatting the HIV epidemic, from the individual to the population level. Electronic health records contain individual patient information that helps clinicians provide high-quality care and can improve continuity of care across services and institutions. Laboratory information systems improve the submission of lab tests and the receipt of results. Logistic information systems can help forecast the need for medications and other commodities and reduce stockouts of antiretroviral drugs and other medications. Routine health information systems are used to compile this information for reports from facilities to the national level. Data use at all levels of the health system is necessary to monitor coverage of HIV interventions and progress toward targets. And finally, population-level surveys provide information on changes in behavior and HIV prevalence every few years; these data are needed to assess the impact of HIV programs over time.

HIV IN CÔTE D'IVOIRE

- Adult HIV prevalence rate: 2.8[1]
- Prevalence rate for women: 3.7[1]
- Prevalence rate for men: 1.9[1]
- Number of adults living with HIV: 460,000[1,2]
- Number of new HIV infections in 2016: 20,000[2]
- Number of AIDS-related deaths in 2016: 25,000[2]
- People living with HIV who know their status: 58%[2]
- People who know their status and are on antiretroviral therapy (ART): 71%[2]
- People on ART who have achieved viral suppression: 78%[2]

1 UNAIDS. (2017). AIDSinfo. http://aidsinfo.unaids.org

2 United States President's Emergency Plan for AIDS Relief. (2018). Country Specific Information: Côte d'Ivoire. Retrieved from https://www.pepfar.gov/countries/index.htm

3 World Health Organization (WHO). (2018). Global Health Observatory: Côte d'Ivoire Summary Statistics. Retrieved from http://apps.who.int/gho/data

4 United Nations Statistics Division. (2016). 2020 World Population and Housing Census Programme. Retrieved from https://unstats.un.org/unsd/demographic/sources/census/censusdates.htm

5 United Nations Development Programme (UNDP). (2018) Human Development Indices and Indicators: 2018 Statistical Update. Retrieved from http://hdr.undp.org/en/2018-update

6 International Telecommunications Union. (2017). ICT Development Index 2017. Retrieved from https://www.itu.int/net4/ITU-D/idi/2017/index.html

Population
23,696,000+[3]

Year of last census
2014[4]

Life expectancy at birth
52.7/55.7 years (m/f)[3,5]

Total expenditure on health
5.4% GDP[3]

Physician density
0.143 per 10,000[3]

Nurse & midwife density
0.479 per 10,000[3]

Hospital bed density
4 per 10,000[3]

Internet users
26.53% of the population[6]

HEALTH INFORMATION SYSTEM FACTS

Indicator name	Status	Global* status	Title and details
Health strategy	yes	72%	[Plan National de Developpement Sanitaire 2016–2020](#)
Health sector monitoring and evaluation (M&E) plan	yes	42%	[Plan de Suivi et d'Evaluation du PNDS 2016–2020](#)
Health information system (HIS) policy	no	19%	Document de Politique de l'Information Sanitaire en Côte d'Ivoire, 2006.
HIS strategic plan	yes	33%	Plan de Renforcement du Systeme d'Information Sanitaire (SIS) de la Côte d'Ivoire 2017–2020 (draft)
Core health indicators	yes	49%	
HIS coordinating body	yes	26%	
Master health facility list	yes	28%	
Completed Heath Metrics Network assessment	yes	56%	[Rapport d'Evaluation du Systeme National d'Information Sanitaire Ivoirien par l'Outil du Reseau de metropologie sanitaire RMS/HMN](#)
Population census within the past 10 years	yes	49%	2014 Census
Availability of national health surveys	yes	100%	2012 Demographic and Health Survey
Completeness of vital registration (births and deaths)	no	7%	
Electronic system for routine site-level data	yes	91%	https://www.dhis2.org/inaction
Health statistics office	yes	98%	http://www.ins.ci/n/
Annual health statistics report	no	9%	Annual Health Statistics Report for 2017
Health statistics website with latest data available	no	49%	http://www.sante.gouv.ci/
Data quality assessment aligned with health sector strategy	yes	67%	

Indicator name	Status	Global* status	Title and details
Performance of Routine Information System Management (PRISM) assessment conducted in any region or district	yes	47%	
Percentage of facilities represented in health management information system reports is available	yes	74%	
Proportion of government offices using data to manage health programs (set and monitor targets) is available	no	40%	
Measles coverage reported to the World Health Organization (WHO)/UNICEF	yes	98%	WHO/UNICEF estimates of immunization coverage: 2017 revision; page 7
Data on the number of institutional deliveries available by district and published within a year	yes	28%	
Policies, laws, and regulations mandating public and private health facilities to report indicators determined by the national HIS	no	33%	
Standards or guidelines for routine health information system data collection, reporting, and analysis	yes	51%	Data management manual procedure (2012) Data collection filling guidance including in data collection tools (2016) User's manual for HIS software (2016)
Procedures to verify the data quality	yes	47%	Data management manual procedure
Routine health information system forms allow for gender disaggregation	yes	60%	
At least one national health account completed in the past 5 years	yes	35%	Comptes de la Santé 2014
Database of healthcare workers by district and main cadres updated in the past 2 years	yes	26%	
Annual data on tracer medicines and commodities in public and private health facilities available	yes	21%	
eHealth strategy	yes	58%	WHO eHealth Country Profile for Cote d'Ivoire; page 1, section 1. 2012.
Completeness of disease surveillance reporting is available	yes	28%	Votre Bulletin Epidémiologique Hebdomadaire (January 9th, 2019)

* "Global status" is the percentage of the 43 countries tracked by the HIS Strengthening Resource Center that have a positive result (yes/no) for the indicator. A positive result (yes) indicates that the indicator is available and current; a negative result (no) indicates that the indicator is unknown, not available, or not current.

According to the 2005 and 2012 Demographic and Health Survey reports in Côte D'Ivoire, the proportion of women ages 15–49 years who had received an HIV test in the past 12 months increased from 3.7 percent in 2005 to 14 percent in 2012.[7,8] For men of the same age, 9.6 percent had had an HIV test in the past 12 months, up from 3.2 percent in 2005.[7,8] In 2012, it was estimated that 27.3 percent of women attending antenatal care were tested for HIV and received counseling on HIV and their test result.[7] A more recent UNAIDS special analysis estimates that 92 percent of pregnant women were tested for HIV in 2015.

For 2017, UNAIDS estimated that 41 percent of all people living with HIV were on ART. For the same year, they estimated that of those who knew their status, 71 percent were on ART. For those on ART, UNAIDS estimated that 78 percent were virally suppressed.[9] For the year 2017–2018, the Côte d'Ivoire Population-Based HIV Impact Assessment found that for those 15–64 years of age and aware of their HIV-positive status, 88.1 percent (92.6% of women and 70.7% of men) were on treatment. Of those on treatment, viral load suppression was 75.9 percent (77.9% for women and 65.2% for men).[10]

There is no current HIS policy. The last one produced was in 2006. There is, however, a draft HIS strategic plan ("Plan de Renforcement du Systeme d'Information Sanitaire (SIS) de la Côte d'Ivoire 2017–2020") and an HIS coordinating body (the National Strategic Information Committee).[11]

7 Institut National de la Statistique (INS)/Côte d'Ivoire & ICF International. (2013). Côte d'Ivoire Enquête Démographique et de Santé et à Indicateurs Multiples 2011–2012. Calverton, MD, USA: INS/Côte d'Ivoire and ICF International. Retrieved from http://dhsprogram.com/pubs/pdf/FR272/FR272.pdf

8 Institut National de la Statistique (INS)/Côte d'Ivoire, Ministère de la Lutte contre le Sida/Côte d'Ivoire, & ORC Macro. (2006). Côte d'Ivoire Enquête sur les Indicateurs du Sida 2005. Calverton, MS, USA: INS and ORC Macro. Retrieved from http://dhsprogram.com/pubs/pdf/AIS5/AIS5.pdf

9 UNAIDS. (2017). UNAIDS Data 2017. Retrieved from http://www.unaids.org/sites/default/files/media_asset/20170720_Data_book_2017_en.pdf

10 Côte d'Ivoire Ministry of Health and Public Hygiene. (2018). Côte d'Ivoire Population-Based HIV Impact Assessment: CIPHIA 2017-2018, Preliminary Findings Summary Sheet. Retrieved from https://phia.icap.columbia.edu/wp-content/uploads/2018/08/CIPHIA_Cote-DIvoire-SS_FINAL.pdf

11 Ministère de la Sante et de l'hygiène publique. (n.d.) Plan National de Développement Sanitaire 2016–2020. Retrieved from http://www.nationalplanningcycles.org/sites/default/files/planning_cycle_repository/cote_divoire/pnds_2016-2020.pdf