WASSIM ZAATOUR

Epidemiologist

SUMMARY

An epidemiologist with proven skills in statistics, informatics, and epidemiology, along with experience in laboratory work and biology. Possesses a strong track record in project management, data analysis, and database management. Interested in ensuring high data quality and functional data management systems, while contributing to strengthening surveillance efforts. Aims to apply knowledge and skills at the global level.

EXPERIENCE

Dec 2024 – April 2025: National Consultant: Development of a national health data dashboard using Microsoft Power BI, Health System Strengthening, WHO Tunisia Country Office, Tunis, Tunisia.
• Developed the national health data dashboard using Power BI, following requirements of the Ministry of Health.
• Strengthened the Ministry of Health's capacity to establish and implement data collection processes at the regional level.
• Established a sustainable framework for the national health data dashboard, ensuring ongoing updates, support, and capacity-building for Ministry of Health staff.

Oct 2022 – Oct 2024: Consultant: Western Pacific Region Antimicrobial Consumption Surveillance System (WPRACSS), Essential Medicines and Health Technologies, Division of Health Systems and Services, WHO Regional Office for the Western Pacific (WPRO), Manila, Philippines
• Provided technical support for collection, analysis, and visualization of the antimicrobial consumption (AMC) data in the Western Pacific Region.
• Designed and enhanced the WPRACSS web platform to capture and analyze AMC data, and the mobile application to track dispensed antimicrobials in the community.
• Developed comprehensive technical manuals for WPRACSS at the national and hospital levels, along with the software architecture specification detailing the platform's design, components, and user flows.
• Enhanced the Price Information Exchange for Medicines (PIEMEDS) platform and analysed pricing data to promote transparency and improve access to essential medicines.

Jan 2022 – Apr 2022: Consultant: Data Analysis of COVID-19 Vaccines on New Variants, Essential Medicines and Health Technologies, Division of Health Systems and Services, WHO Regional Office for the Western Pacific (WPRO), Manila, Philippines
• Conducted a desk review of COVID-19 vaccines and emerging SARS-CoV-2 variants of concern in the region
• Compiled, mapped, and synthesized evidence on the impact of COVID-19 vaccines on emerging variant

Feb 2020 – June 2021: Consultant: Lead Data Analyst, WHO's Health Emergencies programme (WHE) for COVID 19 response, WHO Regional Office for the Western Pacific (WPRO), Manila, Philippines
• Led the Data Management and Visualization Team at the Information and Planning Pillar, Incident Management Support Team

CONTACT

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PERSONNAL DATA

Born: 28 Aug. 1989 Tunisian, Male, Married

LANGUAGES

English: Fluent
French: Fluent
Arabic: Native language

EDUCATION

Specialized Master in Public Health (Major: epidemiology)
Pasteur-CNAM school, Paris, France, 2016-2017
Master Degree in Bioengineering
Tunis Private University, Tunisia, 2012-2015
Bachelor degree in Biotechnology
High Institute of Applied Biology Science, Tunisia, 2008-2012

SKILLS

Soft skills
• Project management
• Strong decision maker
• Complex problem solver
• Innovative
• Service-focused
Epidemiology and Statistics
• Sampling survey
• Missing data imputation
• Time series analysis
Database management
MySQL, SQL Server, Oracle
Statistical tools and analysis
Excel, Epi Data, Epi Info, SPSS, STATA
BI and intelligence tools
Tableau, R Shiny, Power BI, Protégé

• Planned and implemented data management strategies and data collection operations for the Pillar
• Developed and maintained data aggregation tools, visualization dashboards, and health intelligence platforms
Coordinated the roll-out and supported the enhancement of "Go.Data", (a data collection tool developed by WHO) to strengthen surveillance and response during the COVID-19 pandemic, and trained health responders across the Western Pacific Region

Jan 2019 – Dec 2019: Data Management Officer: Global Outbreak and Alert Response (GOARN)
World Health Organization, Regional Office for Africa, Butembo, Democratic Republic of Congo
• Managed and analyzed Ebola Response databases, overseeing content, structure, file location, and backup systems
• Developed and implemented effective data management procedures
• Led local teams in field data collection activities, including cases, contacts, alerts, and notification data

July 2018 – Jan 2019: Epidemiologist, Ministry of Health, National Observatory of New and Emerging Diseases, Tunis, Tunisia
• Collected and analyzed the seasonal Influenza and West Nile data in Tunisia
• Coordinated the National Hepatitis Elimination Plan in Tunisia

Feb 2013 – Jan 2016: Biologist, Medical Epidemiology Department, Institut Pasteur de Tunis; Tunisia
• Conducted laboratory and field activities, including specimen collection, parasite culture, DNA extraction, and PCR analysis
• Investigated molecular variations in pathogens and their potential impact on disease severity, focusing on infectious diseases such as cutaneous leishmaniasis
• Ensured adherence to laboratory protocols for accurate handling, processing, and analysis of biological samples

INTERNSHIP

Oct 2018 – December 2018: University of Laennec, Lyon France:
Worked on mathematical modelling to support the development of a service-oriented platform aimed at customizing medical services and enhancing early detection of emerging diseases.
Jun 2017 – Oct 2017, End of Study Project, Institut Pasteur de Cambodge, Cambodia:
• Analyzed clinical and laboratory data from 2014 to 2016 to assess the effects of influenza infections in children in Cambodia.
• Identified common factors in severe cases, both with and without virological involvement, to better understand severe outcomes in respiratory diseases.

GIS tools
ArcGIS, QGIS
Programming Languages
R, Python, JavaScript, PHP, HTML5

CERTIFICATION AND TRAININGS
• Web development Full Stack bootcamp certificate, The App Brewery, UK (*ongoing*)
• Data Science bootcamp certificate, Gomycode Tunisia,
• ArcGIS/QGIS project officer certificate, Bootcamp Tunisia
• WHO Safe and Secure Approaches in Field Environments (SSAFE) Training, WHO AFRO-Butembo DRC
• International Field Epidemiology Training Program, Rennes France
• Data analysis using STATA 14, Paris France
• Database creation and management using Epidata and Access, Paris, France
• R programming, Paris, France
• Circulation of infectious agent course, Paris, France

REFERENCES
Dr Hattori Yuta: Data Scientist, United Nations, NY
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Dr LKHAGVADORJ Vanchinsuren: Technical Officer, EMT/DHS, Manila, Philippines
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Pr Afif Ben Salah: Head of Epidemiology department, IPT, Tunisia
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