

## **Outbreak Readiness and Response**

### integrumsci.com



Developed as a direct response to the lessons we learned when responding to critical infectious disease outbreaks

## **OUR VISION**

To *reduce the impact* of infectious disease threats, especially in the most vulnerable regions of the world

## **OUR MISSION**

To *improve the effectiveness* of global and local clinical research initiatives by promoting *prevention, preparation, and awareness* 



Developed as a direct response to the lessons learned responding to real pandemic outbreaks





## **Scientific** Infectious Disease Scientific Advisory Board

World leaders in infectious disease field responsive research, specialty vehicle design and manufacturing, and international logistics – International "GO TO" Team for COVID Response







**EGORGAS** INSTITUTO CONMEMORATIVO GORGAS DE ESTUDIOS DE LA SALUD

Gorgas Memorial

Institute

Panama City

Leadership

IDSAB

Network of Relationships in the Field





University of Sierra Leone Freetown UVRI Uganda Virus Research Institute Entebbe

National Centers for Disease Control Tbilisi

### **Outbreak Readiness and Response**

## **OUR APPROACH**

### Prevention

- Clinical trials
- Classic and Adaptive study design
- Protocol Design, Project Management, Monitoring

#### Surveillance

- Global surveillance through network of thought leaders and footprint in the ID hotspots
- Ground truth assessment
- Sample collection, biobanking & shipping

#### Recovery

- Support to survivor networks
- Legacy Leave on good terms
- The best resource for the future that builds resilience

#### Preparation Pre-negotiated global agreements Training & Education Social & Anthropological Expertise Qevention Country-specific regulatory support **Global Infrastructure Development** Standardized protocols, study documents, and communication lines Lab assessments and strengthening Supply chain and logistics support Surveillance **Outbreak** Response Recover Response Deployment support Ground truth assessment Test & treat with mobile labs

- Quick mobilization of global infectious disease experts, & trained on-the-ground professionals
- Networked with NGOs & WHO

## INTEGRUM OUR SERVICES

- Develop and implement clinical research in hot spots for infectious disease outbreaks
- Protocol design support
- Project Management
- Clinical Monitoring with experienced, in-country Clinical Research Associates
- Site feasibility assessments and site qualification visits
- Subject recruitment and retention support
- Infrastructure development support
- Cold chain support
- Lab Assessments
- Lab Supply & Equipment Procurement

BILL & MELINDA GATES foundation
Global Region
Puerto Rico
United States
Uganda
Panama
Bolivia
Republic of Georgia
Sierra Leone
Colombia & Dominican Republic

## LABORATORY SUPPLY PROCUREMENT & LOGISTICS

- Expertise in global logistics, especially to hard to reach locations
- Continuously vetting new vendor sources for better pricing and more efficient timelines for delivery
- Lower costs secured through bulk purchasing
- Transparent reporting for better shipping and financial tracking







Clinical Trial Support from Preclinical to Phase **IV Studies** 

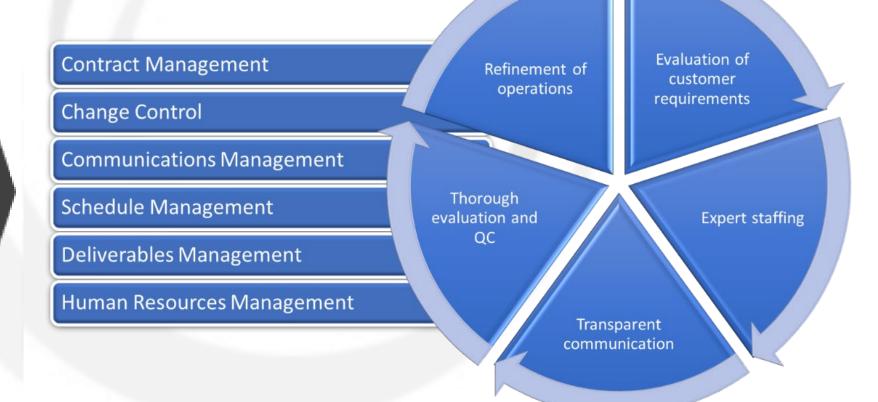
Bio-Analytical Services*	Clinical Monitoring	Clinical Data Management*	Cold Chain Support
Data Safety Monitoring Boards	Independent Medical Monitoring	Infrastructure Development Support	Medical Writing, Statistical Analysis, & Reporting*
Program and Project Management	Protocol Development & Review	Quality Management & Compliance	Regulatory Support, Guidance & Submission*
Risk Management	Safety Oversight & Pharmacovigilance*	Site Selection, Qualification & Management	Subject Recruitment & Retention
Procure Logi	Equipment ment & Trainir stics Educe rement (GCP, GL	ation Sample Co Stan	Research & ollection for dards opment

\* Integrum teams with industry partners to maximize efficiencies while providing best in class service





## Project Management Approach







Customer	Project Name	<b>Project Location</b>	Services Provided
The Geneva Foundation	Phase 2a Study of a Measles-Vectored Live Attenuated Chikungunya Vaccine in a Previously Epidemic Area in Adults 21-65 Years of Age	Puerto Rico	<ul> <li>Integrum provides clinical research support</li> <li>clinical trial management and study monitoring</li> <li>oversight of data management, serious adverse event reporting, and statistical analysis</li> </ul>
Rho	Randomized, 3-Way Crossover Study to Assess the Bioavailability and PK of a Single Dose of Atropine Administered Sublingually	United States	Integrum provided an independent medical monitor for a BARDA Atropine study in healthy adult volunteers
USAMRIID	Development of Novel Monoclonal Antibodies and Longitudinal Study of Immune Responses Using Serum and PBMC's of Infectious Disease Survivors	Uganda, Panama, Bolivia, Georgia, Sierra Leone	Integrum provides project management, quality assurance, and database development and maintenance to facilitate operations with partners in country to identify and track survivors of <b>Marburg virus disease (MVD)</b> in Uganda, <b>Venezuelan</b> <b>equine encephalitis (VEE)</b> in Panama, <b>Machupo virus (MACV)</b> in Bolivia, <b>Crimean Congo</b> <b>Hemorrhagic Fever Virus (CCHFV)</b> and <b>Old World Hantaviruses</b> in the Republic of Georgia and <b>Lassa Mammarenavirus (LASV)</b> in Sierra Leone.
Emergent Biosolutions	Consultation	Global	Integrum's IDSAB provides consultation on a wide portfolio to help our client improve their science and launch new solutions worldwide.
The Bill & Melinda Gates Foundation	COVID-19 Illumina Africa CDC sequencing support	<i>Africa CDC &amp; ASLM</i>	Integrum provides procurement and distribution of key commodities for a dozen African labs through the Africa CDC as well as the African Society for Laboratory Medicine.
Coalition for Epidemic Preparedness Innovations (CEPI)	Rift Valley Fever Project	Uganda	Integrum collects and provides to the National Institute for Biological Standards and Control (NIBSC) serum material from patients in regions across Uganda who have recovered from <b>Rift Valley Fever (RVF) and Marburg virus disease (MVD)</b> . This will enable NIBSC to compose serum panels and an International Antibody Standard for RVF and MVD (IS) for use by vaccine developers worldwide.
TRI	CRO Services for a Clinical Trial of Measles, Mumps, Rubella Vaccine and Yellow Fever Vaccine Co-administration	Colombia, Dominican Republic	Integrum provides Project Management and Quality Assurance for this PATH study for co-administration of a <b>Measles, Mumps, and Rubella (MMR)</b> Vaccine with a <b>Yellow Fever (YF)</b> Vaccine in children ages 12-14 months of age.
African Society of Laboratory Medicine	BMGF Laboratory Network	<i>Countries throughout Africa</i>	Integrum provides project management, supply procurement, and to provide genomic sequencing reagents and supplies to Africa CDC members.

## NEXT GENERATION MOBILE LABS

**Highest quality** Fully customizable Rapidly deployable equipment INTEGRU Rugged Power 24/7 support dependability redundancies **Expert Project** Backed by leading Management with Trained staff dedicated Quality global experts BLOODIN Assurance/Control

The fastest way to test and treat on site in challenging environments



# INTEGRUM Scientific

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