

Extended Data. Table 3. PANDEMIC PACT Data Coding Guidance

| Grant | Field Guidance | Answer Type |
|----------------------------|---|---------------|
| PactID | Information directly obtained from the data source | Text |
| Grant in Scope | Based on the information available, this field is populated according to the following classification. Yes No If the grant does not align with the Pandemic PACT's scope of funding for research on diseases with pandemic potential and broader preparedness efforts it is considered 'No'. | Single answer |
| Grant Number | Information directly obtained from the data source | Text |
| Grant Title Original | Information directly obtained from the data source | Text |
| Grant Title Eng | Information directly obtained from the data source | Text |
| Grant Amount Original | Information directly obtained from the data source | Text |
| Grant Currency | Information directly obtained from the data source | Single answer |
| Currency Exchange Rate USD | To be updated | Text |
| Grant Amount Converted | 'Grant Amount Original' multiplied by 'Currency Exchange Rate USD' | Text |
| Abstract Original | Information directly obtained from the data source | Text |
| Abstract Eng | Information directly obtained from the data source | Text |
| Lay summary | Information directly obtained from the data source | Text |
| Grant Type | Information directly obtained from the data source | Single answer |
| Grant Start Month | Information directly obtained from the data source | Single answer |
| Grant Start Year | Information directly obtained from the data source | Single answer |
| Publication Month of Award | Information directly obtained from the data source | Single answer |
| Publication Year of Award | Information directly obtained from the data source | Single answer |
| Grant End Month | Information directly obtained from the data source | Single answer |

| | | |
|----------------|---|------------------|
| Grant End Year | Information directly obtained from the data source | Single answer |
| Study Subject | <p>Based on the information available, this field is populated according to the following classification.</p> <p>Animals Bacteria Human Populations Disease vectors Viruses Environment Other Unspecified Not applicable</p> <p>Reports and reviews are considered 'Not applicable'. Equipment/tools are considered 'Other'. If humans were involved in the study covered by the grant, such as when participants were recruited, and blood samples were collected for subsequent analysis, it is considered 'Human Populations'. If the research relies on biobank or laboratory data without explicit mention of collection from study participants, considered 'Other'. Secondary data and databases are considered 'Other'.</p> | Multiple answers |
| Ethnicity | <p>Based on the information available, this field is populated according to the following classification.</p> <p>Asian Black White Mixed Other Unspecified Not applicable</p> <p>This field only applies if the Study Subject is 'Humans' or if the category 'Other' refers to secondary data on human subjects.</p> | Multiple answers |

| | | |
|-----------------------|---|------------------|
| | | |
| Age group | <p>Based on the information available, this field is populated according to the following classification.</p> <p>Newborns (birth to 1 month) Infants (1 month to 1 year) Children (1 year to 12 years) Adolescent (13 years to 17 years) Adults (18 and older) Older adults (65 and older) Other Unspecified Not applicable</p> <p>Unless stated otherwise, age group of subjects is considered 'Adults' if the study involves any of the occupational groups or the following vulnerable groups: pregnant women, prisoners, sex workers, smokers, or drug users. This field only applies if the Study Subject is 'Humans' or if the category 'Other' refers to secondary data on human subjects.</p> | Multiple answers |
| Rurality | <p>Based on the information available, this field is populated according to the following classification.</p> <p>Rural Population/Setting Suburban Population/Setting Urban Population/Setting Other Unspecified Not applicable</p> <p>This field applies to the entire list of Study Subjects.</p> | Multiple answers |
| Vulnerable Population | <p>Based on the information available, this field is populated according to the following classification.</p> | Multiple answers |

| | | |
|---------------------|--|------------------|
| | <p> Disabled persons Drug users Internally Displaced and Migrants Indigenous People Sexual and gender minorities Prisoners Sex workers Smokers Women Pregnant women Individuals with multimorbidity Minority communities unspecified Vulnerable populations unspecified Individuals with multimorbidity Other Unspecified Not applicable </p> <p> This field only applies if the Study Subject is 'Humans' or if the category 'Other' refers to secondary data on human subjects. </p> | |
| Occupational Groups | <p> Based on the information available, this field is populated according to the following classification. </p> <p> Farmers Emergency Responders Military Personnel Social Workers Caregivers Health Personnel Hospital personnel Nurses and Nursing Staff Physicians Dentists and dental staff Veterinarians Volunteers Other Unspecified Not applicable </p> <p> This field only applies if the Study Subject is 'Humans' or if </p> | Multiple answers |

| | | |
|-------------------------------------|---|------------------|
| | the category 'Other' refers to secondary data on human subjects. | |
| Study type | <p>Based on the information available, this field is populated according to the following classification.</p> <p>Clinical Non-Clinical Other Unspecified Not applicable</p> <p>For the inclusion/exclusion criteria used to classify a study as clinical, please refer to the 'Study type' Table. This field refers to the study setting rather than the research interest. Therefore, if a study is clinically relevant but not conducted in a clinical setting, whether in healthcare or community settings, it is considered 'Non-clinical'.</p> | Multiple answers |
| Clinical Trial | <p>Based on the information available, this field is populated according to the following classification.</p> <p>Protocol Clinical Trial, Phase I Clinical Trial, Phase II Clinical Trial, Phase III Clinical Trial, Phase IV Clinical Trial, Veterinary Controlled Clinical Trial Randomized Controlled Trial Randomized Controlled Trial, Veterinary Unspecified</p> <p>This field only applies if the Study Type is 'Clinical'.</p> | Multiple answers |
| Report or Literature-Based Research | Based on the information available, this field is populated according to the following classification. | Single answer |

| | | |
|---------|---|------------------|
| | <p>Yes No</p> <p>This field captures those studies that are purely reviews, reports, commentaries, etc. If the study goes beyond the literature review (i.e., the literature review is just one aspect of it), it is considered 'No'.</p> <p>This field only applies if the Study Type is 'Non-Clinical'.</p> | |
| Disease | <p>Based on the information available, this field is populated according to the following classification.</p> <p>Lassa fever Crimean-Congo haemorrhagic fever Rift Valley Fever COVID-19 Middle East Respiratory Syndrome Coronavirus (MERS-CoV) Severe Acute Respiratory Syndrome (SARS) Ebola virus disease Marburg virus disease Zika virus disease Congenital Zika virus disease Nipah and henipaviral disease Hendra virus infection Influenza Mpox Plague Disease X Other Unspecified Not applicable</p> <p>If the project lacks specificity regarding the particular disease under investigation but mentions broad categories such as emerging infectious diseases, it is considered 'Disease X'.</p> | Multiple answers |

| | | |
|--------------|---|------------------|
| Pathogen | <p>Based on the information available, this field is populated according to the following classification.</p> <p>Arenaviridae Bunyaviridae Coronavirus Filoviridae Flaviviridae Paramyxoviridae Orthomyxoviridae Poxviridae Yersiniaceae Novel Pathogen Unspecified</p> <p>If the project lacks specificity regarding the pathogen under investigation but mentions broad categories such as emerging infectious diseases, it is considered 'Novel Pathogen'.</p> | Multiple answers |
| Arenaviridae | <p>Based on the information available, this field is populated according to the following classification.</p> <p>Lassa fever virus Other Unspecified Not applicable</p> <p>This field only applies if the Pathogen is 'Arenaviridae'.</p> | Multiple answers |
| Bunyaviridae | <p>Based on the information available, this field is populated according to the following classification.</p> <p>Crimean-Congo haemorrhagic fever virus Rift Valley Fever virus Other Unspecified Not applicable</p> <p>This field only applies if the Pathogen is 'Bunyaviridae'.</p> | Multiple answers |

| | | |
|--------------|--|------------------|
| | | |
| Coronavirus | <p>Based on the information available, this field is populated according to the following classification.</p> <p>SARS-CoV SARS-CoV-2 SARS-CoV-1 MERS-CoV Other Unspecified Not applicable</p> <p>This field only applies if the Pathogen is 'Coronavirus'.</p> | Multiple answers |
| Filoviridae | <p>Based on the information available, this field is populated according to the following classification.</p> <p>Ebola virus Marburg virus Other Unspecified Not applicable</p> <p>This field only applies if the Pathogen is 'Filoviridae'.</p> | Multiple answers |
| Flaviviridae | <p>Based on the information available, this field is populated according to the following classification.</p> <p>Zika virus Other Unspecified Not applicable</p> <p>This field only applies if the Pathogen is 'Flaviviridae'.</p> | Multiple answers |
| Henipavirus | <p>Based on the information available, this field is populated according to the following classification.</p> <p>Nipah virus Other Unspecified</p> | Multiple answers |

| | | |
|-----------------------------|--|--------------------|
| | <p>Not applicable</p> <p>This field only applies if the Pathogen is 'Henipavirus'.</p> | |
| Influenza | <p>Based on the information available, this field is populated according to the following classification.</p> <p>Pandemic influenza A (H1N1) Other Unspecified Not applicable</p> <p>This field only applies if the Pathogen is 'Influenza'.</p> | Multiple answers |
| Poxviridae | <p>Based on the information available, this field is populated according to the following classification.</p> <p>Mpox virus Other Unspecified Not applicable</p> <p>This field only applies if the Pathogen is 'Poxviridae'.</p> | Multiple answers |
| Funder | Field Guidance | Answer Type |
| Funder Name | Information directly obtained from the data source | Multiple answers |
| Funder Country | Information directly obtained from the data source | Multiple answers |
| Funder Region | Information directly obtained from the data source | Multiple answers |
| Funder Acronym | Information directly obtained from the data source | Text |
| Investigator | Field Guidance | Answer Type |
| Investigator Title | Information directly obtained from the data source | Text |
| Investigator FirstName | Information directly obtained from the data source | Text |
| Investigator LastName | Information directly obtained from the data source | Text |
| Investigator ORCID | Information directly obtained from the data source | Text |
| Research Institution | Field Guidance | Answer Type |

| | | |
|----------------------------------|--|--------------------|
| ROR ID | Information directly obtained from the data source | Text |
| Institution Name | Information directly obtained from the data source | Text |
| Affiliated | Information directly obtained from the data source | Text |
| Institution Country | Information directly obtained from the data source | Text |
| Institution Country ISO | Information directly obtained from the data source | Text |
| Research Institution Region | Information directly obtained from the data source | Multiple answers |
| Partner Organisation Name | Information directly obtained from the data source | Text |
| Partner Organisation Country | Information directly obtained from the data source | Text |
| Partner Organisation Country ISO | Information directly obtained from the data source | Text |
| Partner Location Region | Information directly obtained from the data source | Multiple answers |
| Research Category | Field Guidance | Answer Type |
| Data Management and Data Sharing | This field is populated if the grant covers research on data systems for storage, privacy and data governance. | Single answer |
| Digital Health | This field is populated if the grant covers the WHO classification of digital health interventions – that is, the use of digital, mobile/ wireless technologies to support the achievement of health objectives. Broader application of digital health beyond public health are also included, as well as interventions for clients, healthcare providers, health system or resource managers, for data services, etc. | Single answer |
| Innovation | This field is populated if the grant covers the application of creative ideas and knowledge to develop novel products or tools that enhance diagnostics, therapeutics, or vaccine-related solutions. | Single answer |
| Gender | This field is populated if the grant covers various aspects of gender – that is, if it is conducted through a gender | Single answer |

| | | |
|--|---|------|
| | lens or incorporates specific gender considerations. | |
| Main Research Category Priority Area Number | Based on the information available, this field is populated according to the research category framework classification presented in the 'Research Category Framework' Table. | Text |
| Main Research Sub-Priority Number(s) | Based on the information available, this field is populated according to the research category framework classification presented in the 'Research Category Framework' Table. | Text |
| Secondary Research Category Priority Area Number | Based on the information available, this field is populated according to the research category framework classification presented in the 'Research Category Framework' Table. | Text |
| Secondary Sub-Priority Number(s) | Based on the information available, this field is populated according to the research category framework classification presented in the 'Research Category Framework' Table. | Text |