Extended Data. Table 3. PANDEMIC PACT Data Coding Guidance

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| **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 | Based on the information available, this field is populated according to the following classification.    Animals  Bacteria  Human Populations  Disease vectors  Viruses  Environment  Other  Unspecified  Not applicable    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'. | Multiple answers |
| Ethnicity | Based on the information available, this field is populated according to the following classification.    Asian  Black  White  Mixed  Other  Unspecified  Not applicable    This field only applies if the Study Subject is 'Humans' or if the category 'Other' refers to secondary data on human subjects. | Multiple answers |
| Age group | Based on the information available, this field is populated according to the following classification.    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    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. | Multiple answers |
| Rurality | Based on the information available, this field is populated according to the following classification.    Rural Population/Setting  Suburban Population/Setting  Urban Population/Setting  Other  Unspecified  Not applicable    This field applies to the entire list of Study Subjects. | Multiple answers |
| Vulnerable Population | Based on the information available, this field is populated according to the following classification.    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    This field only applies if the Study Subject is 'Humans' or if the category 'Other' refers to secondary data on human subjects. | Multiple answers |
| Occupational Groups | Based on the information available, this field is populated according to the following classification.    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    This field only applies if the Study Subject is 'Humans' or if the category 'Other' refers to secondary data on human subjects. | Multiple answers |
| Study type | Based on the information available, this field is populated according to the following classification.    Clinical  Non-Clinical  Other  Unspecified  Not applicable    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'. | Multiple answers |
| Clinical Trial | Based on the information available, this field is populated according to the following classification.    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    This field only applies if the Study Type is ‘Clinical'. | Multiple answers |
| Report or Literature-Based Research | Based on the information available, this field is populated according to the following classification.    Yes  No    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'.    This field only applies if the Study Type is ‘Non-Clinical'. | Single answer |
| Disease | Based on the information available, this field is populated according to the following classification.    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    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'. | Multiple answers |
| Pathogen | Based on the information available, this field is populated according to the following classification.    Arenaviridae  Bunyaviridae  Coronavirus  Filoviridae  Flaviviridae  Paramyxovirdiae  Orthomyxoviridae  Poxviridae  Yersiniaceae  Novel Pathogen  Unspecified    If the project lacks specificity regarding the pathogen under investigation but mentions broad categories such as emerging infectious diseases, it is considered 'Novel Pathogen'. | Multiple answers |
| Arenaviridae | Based on the information available, this field is populated according to the following classification.    Lassa fever virus  Other  Unspecified  Not applicable    This field only applies if the Pathogen is ‘Arenaviridae’. | Multiple answers |
| Bunyaviridae | Based on the information available, this field is populated according to the following classification.    Crimean-Congo haemorrhagic fever virus  Rift Valley Fever virus  Other  Unspecified  Not applicable    This field only applies if the Pathogen is ‘Bunyaviridae’. | Multiple answers |
| Coronavirus | Based on the information available, this field is populated according to the following classification.    SARS-CoV  SARS-CoV-2  SARS-CoV-1  MERS-CoV  Other  Unspecified  Not applicable    This field only applies if the Pathogen is ‘Coronavirus’. | Multiple answers |
| Filoviridae | Based on the information available, this field is populated according to the following classification.    Ebola virus  Marburg virus  Other  Unspecified  Not applicable    This field only applies if the Pathogen is ‘Filoviridae’. | Multiple answers |
| Flaviviridae | Based on the information available, this field is populated according to the following classification.    Zika virus  Other  Unspecified  Not applicable    This field only applies if the Pathogen is ‘Flaviviridae’. | Multiple answers |
| Henipavirus | Based on the information available, this field is populated according to the following classification.    Nipah virus  Other  Unspecified  Not applicable    This field only applies if the Pathogen is ‘Henipavirus’. | Multiple answers |
| Influenza | Based on the information available, this field is populated according to the following classification.    Pandemic influenza A (H1N1)  Other  Unspecified  Not applicable    This field only applies if the Pathogen is ‘Influenza’. | Multiple answers |
| Poxviridae | Based on the information available, this field is populated according to the following classification.    Mpox virus  Other  Unspecified  Not applicable    This field only applies if the Pathogen is ‘Poxviridae’. | 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 lens or incorporates specific gender considerations. | Single answer |
| 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 |