



GLOBAL TASK FORCE ON
CHOLERA CONTROL

Identificação de Áreas Prioritárias para Intervenções Multissectoriais (APIM) para a eliminação da cólera

Guia do utilizador

2023

INTRODUÇÃO

- **Este manual do utilizador passo a passo:**
 - complementa o [Documento de orientação da GTFCC sobre a identificação de áreas prioritárias para intervenções multissectoriais \(APIM\) para a eliminação da cólera](#)
 - visa fornecer uma **orientação passo a passo** para a identificação de APIM para a eliminação da cólera usando uma [ferramenta em Excel da GTFCC](#), que automatiza cálculos
- Os utilizadores previstos deste guia são epidemiologistas e analistas de dados envolvidos na identificação da APIM.

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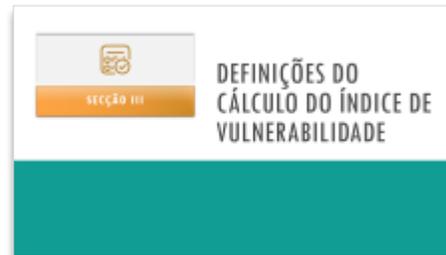
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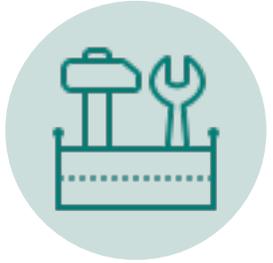
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RECOMENDAÇÕES GERAIS

- **Recomenda-se:**
 - **a utilização** do ficheiro do modelo de dados para **preparação dos dados** para facilitar a etapa de carregamento na ferramenta da GTFCC, seguindo um modelo de dados normalizado que assegure um cálculo exato do índice de vulnerabilidade
 - **iniciar cada nova análise com uma versão vazia da ferramenta**
- A ferramenta em Excel da GTFCC usou o software de folha de cálculo Microsoft Excel e funciona em sistemas operativos Windows e macOS.



MATERIAIS NECESSÁRIOS

- **Ferramenta em Excel** destinada a automatizar o cálculo do índice de vulnerabilidade
- **Ficheiro do modelo de dados** para preparar os dados segundo um modelo de dados normalizado
- **Conjunto de dados de formação** corresponde a um conjunto de dados fictício para efeitos de demonstração e para que os utilizadores se familiarizem com o manuseamento da ferramenta em Excel.

1) Carregar os três ficheiros numa pasta

-  2023-gtfcc-pami-cholera-elimination-excel-tool-pt.xlsx
-  2023-gtfcc-pami-cholera-elimination-input-dataset-template-en.xlsx
-  2023-gtfcc-pami-cholera-elimination-training-dataset-en.xlsx

2) Criar uma cópia da ferramenta e do modelo de dados para a análise

- cholera_analysis_PAMI > cholera vulnerability analysis
- | Name | |
|---|--|
|  GTFCC tool _ PAMIs for elimination_ANALYSIS_001.xlsx | |
|  Template for preparing the data _ PAMIs for elimination_ANALYSIS_001.xlsx | |



SECÇÃO I

PREPARAÇÃO DOS DADOS

PASSO 1

Âmbito: lista de verificação dos dados

- Antes da análise:
 - Verificar todos os itens na lista de verificação
 - Corrigir/completar a informação conforme necessário

Lista de verificação dos dados

Itens	Sim	Não
Período da análise definido	<input type="checkbox"/>	<input type="checkbox"/>
Nível da unidade operacional do PCN definido	<input type="checkbox"/>	<input type="checkbox"/>
Lista de unidades operacionais do PCN (com nomes e identificadores únicos) preenchida	<input type="checkbox"/>	<input type="checkbox"/>
População de cada unidade operacional do PCN compilada (preferível as estimativas mais recentes da população)	<input type="checkbox"/>	<input type="checkbox"/>
Dados epidemiológicos relativos à cólera recolhidos e verificados: Número de casos de cólera adquiridos localmente por unidades operacionais do PCN e ano (para casos suspeitos e confirmados)	<input type="checkbox"/>	<input type="checkbox"/>
Dados epidemiológicos relativos à cólera recolhidos e verificados: Número de casos confirmados de cólera importados por unidades operacionais do PCN e ano	<input type="checkbox"/>	<input type="checkbox"/>
Seleção dos fatores de vulnerabilidade e justificação para inclusão/exclusão	<input type="checkbox"/>	<input type="checkbox"/>
Indicador mensurável definido para cada fator de vulnerabilidade selecionado	<input type="checkbox"/>	<input type="checkbox"/>
Dados para cada indicador mensurável recolhido	<input type="checkbox"/>	<input type="checkbox"/>
Dados para cada indicador mensurável verificado: verificação da qualidade dos dados (origem, cobertura, verificação de valores atípicos e valores em falta...)	<input type="checkbox"/>	<input type="checkbox"/>

PASSO 2.1

Âmbito: Preencher o modelo com dados específicos do país

- **Linhas:** Unidades geográficas operacionais do PCN
- **Colunas:** Identificadores, população e indicadores mensuráveis

Adicionar identificadores geográficos do PCN, nomes admin 1 e 2

Adicionar dados da população

Adicionar valores de indicadores mensuráveis

	unique_id	admin_1	admin_2	population	VF_01_cho1_otbk	VF_02_cho1_import	VF_03_cho1_proximty	VF_04_mov_pathw	VF_05_pop_pathw	VF_06_overcrowded_set	VF_07_high_risk_pop	VF_08_hard_to_acc_risk_pop	VF_09_ovc	VF_10_climate_event	VF_11_comp_humanit_emerg	VF_12_unimprov_water	VF_13_unimprov_sanitat	VF_14_limited_hygen	VF_15_add_factor_1	VF_16_add_factor_2	VF_17_add_factor_3	VF_18_add_factor_4	
1																							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							
13																							
14																							
15																							
16																							
17																							



Não altere o cabeçalho da tabela (= nomes da variável) porque é reconhecido automaticamente na ferramenta da GTFCC

PASSO 2.2

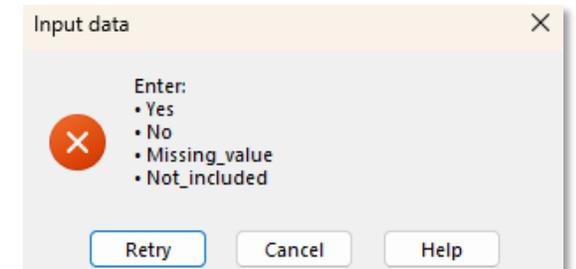
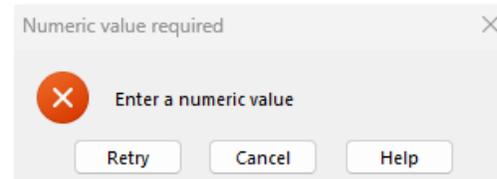
Âmbito: Preencher o modelo com dados específicos do país



Siga as regras de validação dos dados:

- População: apenas valor numérico
- Valores do indicador:
 - Sim
 - Não
 - Valor_em_falta
 - Não_incluído

	A	B	C	D	E	F	G	H	I	J	K	L	M
1													
2	district_001	AAAAA	HHHHH	10,780	Yes	No	No	Yes	No			tttt	
3													
4													
5													
6													
7													



PASSO 2.3

Âmbito: Exemplo de dados

- Seguir a nomenclatura e estrutura da tabela de dados
- VF_15 a VF_18:
 - são variáveis de espaço reservado para guardar informações para quaisquer fatores de vulnerabilidade adicionais
 - estão marcados como «Não incluído» no conjunto de dados da formação

Ficheiro:



2023-gtfcc-pami-cholera-elimination-training-dataset-en.xlsx

	id	admin_1	admin_2	population	VF_01_chol_risk	VF_02_chol_risk	VF_03_chol_risk	VF_04_risk	VF_05_pop_gathering	VF_06_water_safety	VF_07_hygiene	VF_08_sanitation	VF_09_sanitation	VF_10_sanitation	VF_11_sanitation	VF_12_sanitation	VF_13_sanitation	VF_14_sanitation	VF_15_additional	VF_16_additional	VF_17_additional	VF_18_additional
1	id_005	admin_1_01	admin_2_005	64.393	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not included	Not included	Not included	Not included
2	id_013	admin_1_02	admin_2_013	121.255	Yes	Yes	No	No	Yes	No	No	No	No	Yes	No	No	No	No	Not included	Not included	Not included	Not included
3	id_014	admin_1_02	admin_2_014	37.086	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not included	Not included	Not included	Not included
4	id_015	admin_1_02	admin_2_015	164.440	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	Not included	Not included	Not included	Not included
5	id_022	admin_1_02	admin_2_022	230.397	No	Missing value	No	No	No	No	No	No	No	No	No	Yes	No	No	Not included	Not included	Not included	Not included
6	id_025	admin_1_02	admin_2_025	253.927	Yes	No	No	Yes	No	No	Yes	No	No	No	Yes	No	No	No	Not included	Not included	Not included	Not included
7	id_028	admin_1_02	admin_2_028	169.610	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not included	Not included	Not included	Not included
8	id_030	admin_1_02	admin_2_030	119.295	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not included	Not included	Not included	Not included
9	id_033	admin_1_02	admin_2_033	223.118	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not included	Not included	Not included	Not included
10	id_035	admin_1_02	admin_2_035	317.110	No	Yes	Missing value	No	Yes	No	No	No	No	Missing value	No	No	No	No	Not included	Not included	Not included	Not included
11	id_038	admin_1_02	admin_2_038	283.942	Yes	No	No	No	No	No	No	Yes	No	Yes	No	No	No	No	Not included	Not included	Not included	Not included
12	id_039	admin_1_02	admin_2_039	161.100	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	Not included	Not included	Not included	Not included
13	id_048	admin_1_03	admin_2_048	166.895	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes	No	No	No	Not included	Not included	Not included	Not included
14	id_051	admin_1_03	admin_2_051	369.869	No	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	No	No	Yes	Not included	Not included	Not included	Not included
15	id_053	admin_1_04	admin_2_053	200.425	No	Missing value	No	Yes	No	No	No	No	No	Yes	No	No	No	Yes	Not included	Not included	Not included	Not included
16	id_054	admin_1_04	admin_2_054	176.323	No	No	No	No	Yes	No	Yes	No	No	Yes	No	No	No	No	Not included	Not included	Not included	Not included
17	id_055	admin_1_04	admin_2_055	374.440	Yes	No	No	No	Yes	Yes	Yes	No	No	Yes	No	No	No	No	Not included	Not included	Not included	Not included
18	id_058	admin_1_04	admin_2_058	227.349	No	No	No	No	Yes	No	Yes	No	No	No	Yes	No	No	No	Not included	Not included	Not included	Not included
19	id_065	admin_1_04	admin_2_065	111.409	No	Yes	No	No	Yes	Yes	Yes	No	No	No	Yes	No	No	No	Not included	Not included	Not included	Not included
20	id_066	admin_1_04	admin_2_066	162.852	No	Yes	No	No	No	No	No	No	No	No	No	No	Yes	No	Not included	Not included	Not included	Not included
21	id_067	admin_1_04	admin_2_067	122.772	Yes	Yes	Yes	No	Yes	No	No	No	No	Yes	Yes	Yes	No	No	Not included	Not included	Not included	Not included
22	id_070	admin_1_04	admin_2_070	260.209	No	No	No	No	No	No	No	No	No	No	No	Yes	No	Yes	Not included	Not included	Not included	Not included
23	id_073	admin_1_05	admin_2_073	212.029	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not included	Not included	Not included	Not included
24	id_074	admin_1_05	admin_2_074	219.337	No	No	No	No	No	No	No	No	Yes	No	No	No	Yes	No	Not included	Not included	Not included	Not included
25	id_088	admin_1_06	admin_2_088	441.446	No	No	Missing value	No	No	No	Missing value	No	No	Missing value	No	Missing value	Missing value	Missing value	Not included	Not included	Not included	Not included

De salientar que o conjunto de dados da formação não contém dados em falta por uma questão de exemplo.



É recomendável importar apenas o conjunto de dados sem dados em falta para evitar preconceitos no cálculo do índice de vulnerabilidade.

Para obter mais informações, consulte a secção « [Gestão de dados em falta](#) » na secção orientação e perguntas frequentes abaixo.



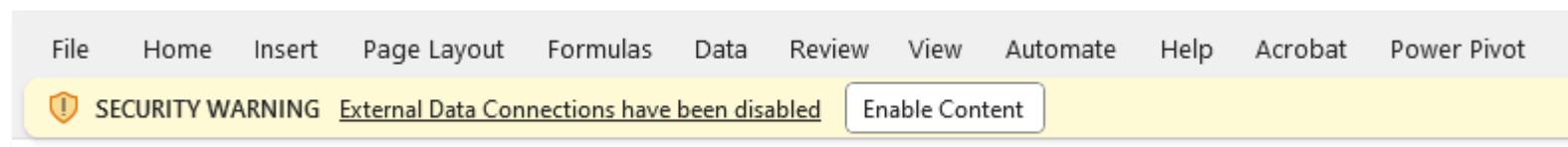
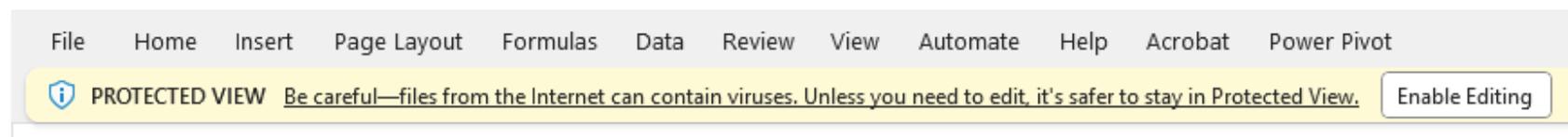
SECÇÃO II

IMPORTAR OS DADOS NA FERRAMENTA DA GTFCC

PASSO 3.1

Âmbito: Abrir a ferramenta da GTFCC

- Abrir a ferramenta da GTFCC
- As Sugestões da Política na barra de mensagens são apresentadas por defeito
- Carregar em «Ativar Edição» e «Ativar conteúdo» para abrir a ferramenta no Modo de Edição



PASSO 3.2

Âmbito: Abrir a ferramenta da GTFCC

- Abrir a ferramenta da GTFCC
- Selecionar o separador:
Information
- Descrição geral dos recursos disponíveis
- Assinalar «**resumo da instrução**» para obter instruções sobre como usar a ferramenta

Fichier Accueil Insertion Mise en page Formules Données Révision Affichage Aide Acrobat Power Pivot



Ferramenta em Excel da GTFCC para a Identificação de áreas prioritárias para intervenções multisectoriais para a eliminação da cólera

Esta ferramenta em Excel da GTFCC visa automatizar o cálculo dos indicadores e do índice de vulnerabilidade à cólera para a **identificação de áreas prioritárias para intervenções multisectoriais (APIM)** para a eliminação da cólera, conforme descrito no Guia Provisório da GTFCC (2023), disponível em:

Esta ferramenta deve ser usada em conjunto com o **Guia do utilizador**:

Este guia do utilizador vem com um **modelo de conjunto de dados** para preparação dos dados antes de importar o conjunto de dados para a ferramenta em Excel da GTFCC:

Um **conjunto de dados de formação** para ajudar os utilizadores a familiarizarem-se com o manuseamento da ferramenta em Excel da GTFCC está disponível em:

Contacto:

Hiperligações

[Identificação de áreas prioritárias para intervenções multisectoriais para a eliminação da cólera](#)

[Guia do utilizador da APIM da Ferramenta em Excel para a eliminação da cólera](#)

[Modelo de inserção de dados](#)

[Conjunto de dados de formação](#)

gtfccsecretariat@who.int

Descrição geral

A ferramenta é organizada com seis folhas da esquerda para a direita:

As **informações** apresentam a ferramenta e os documentos relevantes.

→ A **Tabela de inserção de dados** corresponde à folha de importação de dados para o conjunto de dados de entrada preparado para a análise de acordo com o modelo de dados.

→ A **Seleção de fator** permite ao utilizador selecionar a contribuição e definir a ponderação (se aplicável) para cada indicador de vulnerabilidade para o cálculo do índice.

R.1] O **Cálculo do índice de vulnerabilidade** fornece cálculos automáticos do número de dados em falta e do índice de vulnerabilidade.

R.2] O **Resumo do índice de vulnerabilidade** contém uma tabela dinâmica com os principais parâmetros estratificados por valores do índice de vulnerabilidade.

R.3] A **descrição geral dos dados em falta** apresenta a frequência dos valores em falta por fatores de vulnerabilidade.

R.4] A **Tabela de exportações de APIM** corresponde aos dados do R.1] **Cálculo do índice de prioridade** disponível para exploração de dados (ordenação/filtro) e pode ser exportada para posterior mapeamento e análise.

Resumo da instrução

É recomendável usar sempre um modelo de conjunto de dados de entrada vazio e uma ferramenta em Excel da GTFCC vazia para cada nova análise.

Para calcular o índice de prioridade, os principais passos são os seguintes:

- 1 Importar o conjunto de dados de entrada para o separador da → **Tabela de inserção de dados**. Os dados devem ser preparados usando o ficheiro 2023-gtfcc-pami-cholera-elimine-input-dataset-template-en.xlsx. A estrutura do conjunto de dados e os nomes das variáveis devem seguir estritamente a nomenclatura descrita no guia do utilizador.
- 2 Atualize as definições de indicadores mensuráveis para cada fator de vulnerabilidade conforme necessário no separador → **Seleção do fator**. Selecione a ponderação relativa (se aplicável) e a contribuição de cada fator de vulnerabilidade para o cálculo do índice de vulnerabilidade.
- 3 Calcule automaticamente o índice de vulnerabilidade de todas as unidades geográficas operacionais do PNC, selecionando a gama de dados inseridos no separador R.1] **Cálculo do índice de vulnerabilidade**.
- 4 Consulte os resultados e a tabela de resumo atualizando a toda pasta de trabalho pressionando **Ctrl + Alt + F5**. Verifique os valores em falta no separador **Descrição geral dos dados em falta** e preencha os dados importados conforme necessário (consulte as orientações e o guia do utilizador para as recomendações sobre a gestão da informação em falta).
- 5 Exporte a informação sobre o fator de vulnerabilidade e os valores do índice de vulnerabilidade utilizando a tabela de dados disponível no separador R.4] **Tabela de exportação de APIM**.

Estão disponíveis instruções detalhadas no Guia do utilizador.

O guia do utilizador visa fornecer aos utilizadores uma orientação passo a passo para a identificação de APIM para a eliminação da cólera, em particular explicações sobre como usar a ferramenta em Excel da GTFCC. Este documento destina-se a epidemiologistas e analistas de dados que participam na vigilância da cólera e identificação de APIM.

< > **Information** → Data input table → Factor selection R.1] Vulnera. index calculation R.2] Vulnera. index summary R.3] Missing data overview R.4] Table PAMIs export +



PASSO 4.1

Âmbito: Importar dados

- Abrir primeiro o segundo separador: -> Data input table

The image shows a screenshot of the Microsoft Excel interface. The ribbon at the top includes 'File', 'Home', 'Insert', 'Page Layout', 'Formulas', 'Data', 'Review', 'View', 'Automate', 'Help', 'Acrobat', 'Power Pivot', and 'Table Design'. The spreadsheet grid is visible, with row 1 containing the text 'Paste data here (as values only)'. At the bottom of the window, a task pane is open, displaying several buttons: 'Information', '<-> Data input table', '<-> Factor selection', 'R.1| Vulnera. index calculation', 'R.2| Vulnera. index summary', 'R.3| Missing data overview', and 'R.4| Table PAMIs export'. The 'Data input table' button is highlighted with a yellow background. An orange arrow points upwards from below the task pane towards the 'Data input table' button.

PASSO 4.3

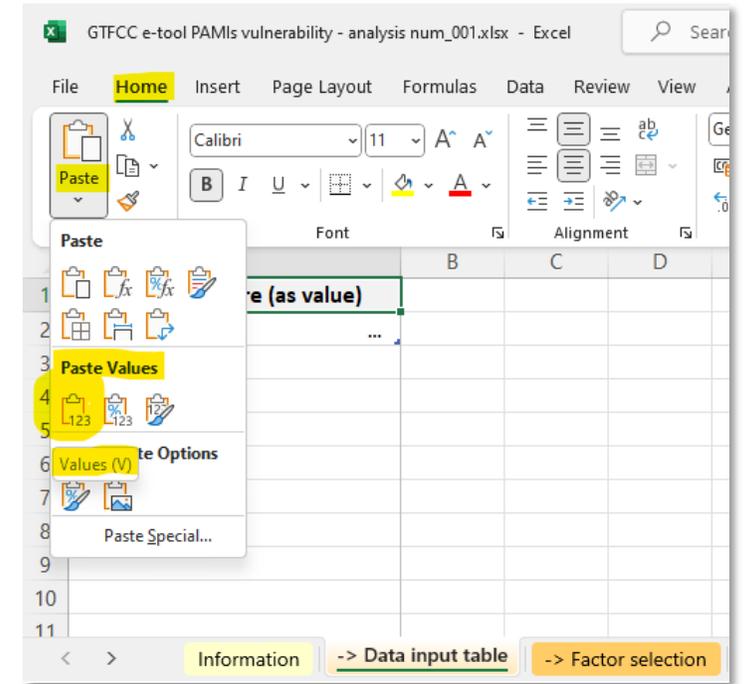
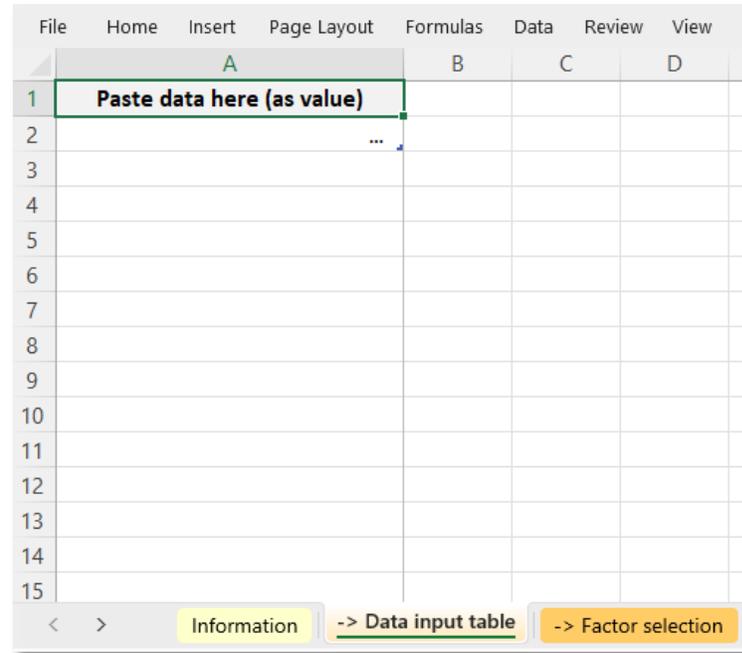
Âmbito: Colar dados na ferramenta

- Colar o conjunto de dados como valor em:

-> Data input table

- Colar na célula A1 como «Valores (V)» em Página Inicial >> Colar >> Colar Valores >> «123»

Paste Values



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	unique_id	admin_1	admin_2	tot_population	FV_01_chol_epid	FV_02_chol_import	FV_03_pov_zone_cholera	FV_04_votes_com_mal	FV_05_rasamb_ppopul	FV_06_zone_surpeupl	FV_07_ppp_spec_risk	FV_08_ppp_access_diff	FV_09_vacc_surp_3_ans	FV_10_climate_ev	FV_11_urgence_hum_comp	FV_12_EHA_ind_eau	FV_13_EHA_ind_sassain	FV_14_EHA_ind_hygiene	FV_15_facteur_add_1	FV_16_facteur_add_2	FV_17_facteur_add_3	FV_18_facteur_add_4	
2	id_005	admin_1_01	admin_2_0C	64393	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Exclu	Exclu	Exclu	Exclu	
3	id_013	admin_1_02	admin_2_01	121255	Oui	Non	Non	Non	Oui	Non	Non	Non	Non	Non	Oui	Non	Non	Non	Exclu	Exclu	Exclu	Exclu	
4	id_014	admin_1_02	admin_2_01	37086	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Exclu	Exclu	Exclu	Exclu	
5	id_015	admin_1_02	admin_2_01	164440	Non	Non	Oui	Oui	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Exclu	Exclu	Exclu	Exclu	
6	id_022	admin_1_02	admin_2_02	290397	Non	Non	Valeur_man	Non	Non	Non	Non	Non	Non	Non	Non	Non	Oui	Non	Exclu	Exclu	Exclu	Exclu	
7	id_025	admin_1_02	admin_2_02	253927	Oui	Non	Non	Oui	Non	Non	Oui	Non	Non	Non	Oui	Non	Non	Non	Exclu	Exclu	Exclu	Exclu	
8	id_028	admin_1_02	admin_2_02	169610	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Exclu	Exclu	Exclu	Exclu	
9	id_030	admin_1_02	admin_2_03	119295	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Exclu	Exclu	Exclu	Exclu	
10	id_033	admin_1_02	admin_2_03	223118	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Exclu	Exclu	Exclu	Exclu	
11	id_035	admin_1_02	admin_2_03	317110	Non	Oui	Valeur_man	Non	Oui	Non	Non	Non	Non	Valeur_man	Non	Non	Non	Non	Exclu	Exclu	Exclu	Exclu	
12	id_038	admin_1_02	admin_2_03	283942	Oui	Non	Non	Non	Non	Non	Non	Non	Oui	Non	Oui	Non	Non	Non	Exclu	Exclu	Exclu	Exclu	
13	id_039	admin_1_02	admin_2_03	161100	Non	Non	Non	Non	Non	Non	Non	Non	Non	Non	Oui	Non	Non	Non	Exclu	Exclu	Exclu	Exclu	



SECÇÃO III

DEFINIÇÕES DO CÁLCULO DO ÍNDICE DE VULNERABILIDADE

PASSO 5.1

Âmbito: Gerir definições de cálculo do índice de vulnerabilidades

- **Abrir o separador:**

→ Factor selection
- **O separador contém vários painéis**
 - A lista indicativa de **fatores de vulnerabilidade**
 - A definição de cada **indicador mensurável**
 - Um painel para definir o **peso** de cada fator para o cálculo do índice, se aplicável
 - Painel da **seleção do fator**

Lista de fatores de vulnerabilidade

Lista de indicadores mensuráveis e nomes de variáveis

Peso no cálculo do índice (se aplicável)

Seleção de fator para cálculo do índice

Vulnerability factors	Measurable indicators	Variable names	Indicator weight	Selection of factors in the vulnerability index
Confirmed cholera outbreak(s) over the analysis period	NCP unit with at least one confirmed cholera outbreak reported over the past five year/analysis period	VF_01_chol_otbk	Not applicable	If "YES", NCP geo. unit is a PAMI
Confirmed cholera imported case(s) in the NCP operational geographic unit considered	NCP unit with at least one confirmed cholera case imported (from another country or another NCP operational geographic unit reported during the analysis period)	VF_02_chol_import	1	Included in the vulnerability index
Cross-border areas adjacent to frequently cholera-affected areas or identified PAMIs in neighbouring country(ies)	Cross-border NCP unit adjacent to cross-border areas frequently affected by cholera outbreaks or classified as PAMI in neighbouring countries	VF_03_chol_proximity	1	Included in the vulnerability index
Location along major travel routes with transportation hubs	NCP unit located along transportation pathway(s) with transportation hub(s)	VF_04_mov_pathw	1	Included in the vulnerability index
Major population gatherings	NCP unit hosting major population gathering(s)	VF_05_pop_gathering	1	Included in the vulnerability index
High population density locations or overcrowded settings	NCP unit with high population density or overcrowded settings	VF_06_overcrowded_set	1	Included in the vulnerability index
High-risk populations	NCP unit with high-risk population	VF_07_high_risk_pop	1	Included in the vulnerability index
Hard-to-access populations	NCP unit with hard-to-access population	VF_08_hard_to_acc_risk_pop	1	Included in the vulnerability index
Population that received oral cholera vaccine (OCV) more than three years ago	NCP unit with a population vaccinated more than three years ago (two-doses OCV campaign with a coverage for both round >70%)	VF_09_ocv	1	Included in the vulnerability index
High-risk for extreme climate and weather conditions	NCP unit exposed to extreme climate and weather conditions	VF_10_climate_event	1	Included in the vulnerability index
Complex humanitarian emergency	NCP unit located in an area under a complex humanitarian emergency	VF_11_comp_humanit_emerg	1	Included in the vulnerability index
Unimproved water	NCP unit with more than 30% of the population using unimproved water facility type (calculated as sum of % of population with unimproved service level and % of population using surface water) OR more than 15% of the population using surface water	VF_12_unimprov_water	1	Included in the vulnerability index
Unimproved sanitation	NCP unit with more than 50% of the population using unimproved sanitation facility type (calculated as % of population with unimproved sanitation service level and % of population practicing open defecation) OR more than 30% of the population practicing open defecation	VF_13_unimprov_sanitat	1	Included in the vulnerability index
Limited access to hygiene	NCP unit with more than 50% of the population with no handwashing facility on premises	VF_14_limited_hygién	1	Included in the vulnerability index
Additional country-specific cholera vulnerability factor (1)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_15_add_factor_1	1	Excluded from the vulnerability index
Additional country-specific cholera vulnerability factor (2)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_16_add_factor_2	1	Excluded from the vulnerability index
Additional country-specific cholera vulnerability factor (3)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_17_add_factor_3	1	Excluded from the vulnerability index
Additional country-specific cholera vulnerability factor (4)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_18_add_factor_4	1	Excluded from the vulnerability index



PASSO 5.2

Âmbito: Atualizar a definição de qualquer fator de vulnerabilidade adicional específico do país (se aplicável)

- **Verificar a lista de fatores de vulnerabilidade**
- **Atualizar as definições de indicadores mensuráveis para os fatores de vulnerabilidade adicionais**

File Home Insert Page Layout Formulas Data Review View Automate Help Acrobat Power Pivot

List of the country-specific vulnerability factors → **Update measurable indicator definition** → **Set the indicator relative weight (if applicable)** → **Select factors for the vulnerability index calculation**

- Outcome of each measurable indicator is expected to be "Yes"/"No" - Do not modify the variable names

- By default, unweighted sum corresponds to weight value of 1
- Numeric weight can be modified by the user (e.g., 2, 4, ...)

- Use the drop menu to select vulnerability factors to be included in the vulnerability index calculation (except for "Confirmed cholera outbreak(s) over the analysis period" already added by default.)

Vulnerability factors	Measurable indicators	Variable names	Indicator weight	Selection of factors in the vulnerability index
Confirmed cholera outbreak(s) over the analysis period	NCP unit with at least one confirmed cholera outbreak reported over the past five year/analysis period	VF_01_chol_otbk	Not applicable	If "YES", NCP geo. unit is a PAMI
Confirmed cholera imported case(s) in the NCP operational geographic unit considered	NCP unit with at least one confirmed cholera case imported (from another country or another NCP operational geographic unit reported during the analysis period)	VF_02_chol_import	1	Included in the vulnerability index
Cross-border areas adjacent to frequently cholera-affected areas or identified PAMIs in neighbouring country(ies)	Cross-border NCP unit adjacent to cross-border areas frequently affected by cholera outbreaks or classified as PAMI in neighbouring countries	VF_03_chol_proximity	1	Included in the vulnerability index
Location along major travel routes with transportation hubs	NCP unit located along transportation pathway(s) with transportation hub(s)	VF_04_mov_pathw	1	Included in the vulnerability index
Major population gatherings	NCP unit hosting major population gathering(s)	VF_05_pop_gathering	1	Included in the vulnerability index
High population density locations or overcrowded settings	NCP unit with high population density or overcrowded settings	VF_06_overcrowded_set	1	Included in the vulnerability index
High-risk populations	NCP unit with high-risk population	VF_07_high_risk_pop	1	Included in the vulnerability index
Hard-to-access populations	NCP unit with hard-to-access population	VF_08_hard_to_acc_risk_pop	1	Included in the vulnerability index
Population that received oral cholera vaccine (OCV) more than three years ago	NCP unit with a population vaccinated more than three years ago (two-doses OCV campaign with a coverage for both round >70%)	VF_09_ocv	1	Included in the vulnerability index
High-risk for extreme climate and weather conditions	NCP unit exposed to extreme climate and weather conditions	VF_10_climate_event	1	Included in the vulnerability index
Complex humanitarian emergency	NCP unit located in an area under a complex humanitarian emergency	VF_11_comp_humanit_emerg	1	Included in the vulnerability index
Unimproved water	NCP unit with more than 30% of the population using unimproved water facility type (calculated as sum of % of population with unimproved service level and % of population using surface water) OR more than 15% of the population using surface water	VF_12_unimprov_water	1	Included in the vulnerability index
Unimproved sanitation	NCP unit with more than 50% of the population using unimproved sanitation facility type (calculated as % of population with unimproved sanitation service level and % of population practicing open defecation) OR more than 30% of the population practicing open defecation	VF_13_unimprov_sanitat	1	Included in the vulnerability index
Limited access to hygiene	NCP unit with more than 50% of the population with no handwashing facility on premises	VF_14_limited_hygien	1	Included in the vulnerability index
Additional country-specific cholera vulnerability factor (1)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_15_add_factor_1	1	Excluded from the vulnerability index
Additional country-specific cholera vulnerability factor (2)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_16_add_factor_2	1	Excluded from the vulnerability index
Additional country-specific cholera vulnerability factor (3)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_17_add_factor_3	1	Excluded from the vulnerability index
Additional country-specific cholera vulnerability factor (4)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_18_add_factor_4	1	Excluded from the vulnerability index

< > Information → Data input table → Factor selection R.1| Vulnera. index calculation R.2| Vulnera. index summary R.3| Missing data overview R.4| Table PAMIs export +

Atualizar o fator de vulnerabilidade e as definições do indicador mensurável conforme necessário

PASSO 5.3

Âmbito: Verificar informações

- Os nomes das variáveis são predefinidos e não podem ser editados pelo utilizador.
- As células correspondentes são bloqueadas para edição.

File Home Insert Page Layout Formulas Data Review View Automate Help Acrobat Power Pivot

List of the country-specific vulnerability factors

Update measurable indicator definition

Set the indicator relative weight (if applicable)

Select factors for the vulnerability index calculation

Vulnerability factors	Measurable indicators	Variable names	Indicator weight	Selection of factors in the vulnerability index
Confirmed cholera outbreak(s) over the analysis period	NCP unit with at least one confirmed cholera outbreak reported over the past five year/analysis period	VF_01_choL_otbk	Not applicable	If "YES", NCP geo. unit is a PAMI
Confirmed cholera imported case(s) in the NCP operational geographic unit considered	NCP unit with at least one confirmed cholera case imported (from another country or another NCP operational geographic unit reported during the analysis period)	VF_02_choL_import	1	Included in the vulnerability index
Cross-border areas adjacent to frequently cholera-affected areas or identified PAMIs in neighbouring country(ies)	Cross-border NCP unit adjacent to cross-border areas frequently affected by cholera outbreaks or classified as PAMI in neighbouring countries	VF_03_choL_proximity	1	Included in the vulnerability index
Location along major travel routes with transportation hubs	NCP unit located along transportation pathway(s) with transportation hub(s)	VF_04_mov_pathw	1	Included in the vulnerability index
Major population gatherings	NCP unit hosting major population gathering(s)	VF_05_pop_gathering	1	Included in the vulnerability index
High population density locations or overcrowded settings	NCP unit with high population density or overcrowded settings	VF_06_overcrowded_set	1	Included in the vulnerability index
High-risk populations	NCP unit with high-risk population	VF_07_high_risk_pop	1	Included in the vulnerability index
Hard-to-access populations	NCP unit with hard-to-access population	VF_08_hard_to_acc_risk_pop	1	Included in the vulnerability index
Population that received oral cholera vaccine (OCV) more than three years ago	NCP unit with a population vaccinated more than three years ago (two-doses OCV campaign with a coverage for both round >70%)	VF_09_ocv	1	Included in the vulnerability index
High-risk for extreme climate and weather conditions	NCP unit exposed to extreme climate and weather conditions	VF_10_climate_event	1	Included in the vulnerability index
Complex humanitarian emergency	NCP unit located in an area under a complex humanitarian emergency	VF_11_comp_humanit_emerg	1	Included in the vulnerability index
Unimproved water	NCP unit with more than 30% of the population using unimproved water facility type (calculated as sum of % of population with unimproved service level and % of population using surface water) OR more than 15% of the population using surface water	VF_12_unimprov_water	1	Included in the vulnerability index
Unimproved sanitation	NCP unit with more than 50% of the population using unimproved sanitation facility type (calculated as % of population with unimproved sanitation service level and % of population practicing open defecation) OR more than 30% of the population practicing open defecation	VF_13_unimprov_sanitat	1	Included in the vulnerability index
Limited access to hygiene	NCP unit with more than 50% of the population with no handwashing facility on premises	VF_14_limited_hygien	1	Included in the vulnerability index
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Additionalnal country-specific cholera vulnerability factor (2)	To be completed if additionalnal cholera country-specific factor are selected: "NCP unit with ..."	VF_16_add_factor_2	1	Excluded from the vulnerability index
Additionalnal country-specific cholera vulnerability factor (3)	To be completed if additionalnal cholera country-specific factor are selected: "NCP unit with ..."	VF_17_add_factor_3	1	Excluded from the vulnerability index
Additionalnal country-specific cholera vulnerability factor (4)	To be completed if additionalnal cholera country-specific factor are selected: "NCP unit with ..."	VF_18_add_factor_4	1	Excluded from the vulnerability index

Information
-> Data input table
-> Factor selection
R.1| Vulnera. index calculation
R.2| Vulnera. index summary
R.3| Missing data overview
R.4| Table PAMIs export
+

Lista de nomes de variáveis

PASSO 5.4

Âmbito: Definir peso (opcional)

- Configurações predefinidas para o cálculo do índice de vulnerabilidade:
 - Soma não ponderada
 - Para todos os fatores de vulnerabilidade selecionados, o valor padrão do peso é igual a 1
 - Opcional: aumentar/diminuir manualmente o peso de acordo com a decisão das partes interessadas

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List of the country-specific vulnerability factors

Vulnerability factors	Measurable indicators	Variable names	Indicator weight	Selection of factors in the vulnerability index																																					
Confirmed cholera outbreak(s) over the analysis period	NCP unit with at least one confirmed cholera outbreak reported over the past five year/analysis period	VF_01_chol_otbk	<table border="1"> <thead> <tr> <th>Not applicable</th> <th>If "YES", NCP geo. unit is a PAMI</th> </tr> </thead> <tbody> <tr><td>1</td><td>Included in the vulnerability index</td></tr> <tr><td>1</td><td>Excluded from the vulnerability index</td></tr> </tbody> </table>	Not applicable	If "YES", NCP geo. unit is a PAMI	1	Included in the vulnerability index	1	Excluded from the vulnerability index																																
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High-risk for extreme climate and weather conditions	NCP unit exposed to extreme climate and weather conditions	VF_10_climate_event																																							
Complex humanitarian emergency	NCP unit located in an area under a complex humanitarian emergency	VF_11_comp_humanit_emerg																																							
Unimproved water	NCP unit with more than 30% of the population using unimproved water facility type (calculated as sum of % of population with unimproved service level and % of population using surface water) OR more than 15% of the population using surface water	VF_12_unimprov_water																																							
Unimproved sanitation	NCP unit with more than 50% of the population using unimproved sanitation facility type (calculated as % of population with unimproved sanitation service level and % of population practicing open defecation) OR more than 30% of the population practicing open defecation	VF_13_unimprov_sanitat																																							
Limited access to hygiene	NCP unit with more than 50% of the population with no handwashing facility on premises	VF_14_limited_hygien																																							
Additional country-specific cholera vulnerability factor (1)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_15_add_factor_1																																							
Additional country-specific cholera vulnerability factor (2)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_16_add_factor_2																																							
Additional country-specific cholera vulnerability factor (3)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_17_add_factor_3																																							
Additional country-specific cholera vulnerability factor (4)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_18_add_factor_4																																							

Update measurable indicator definition

- Outcome of each measurable indicator is expected to be "Yes"/"No" - Do not modify the variable names

Set the indicator relative weight (if applicable)

- By default, unweighted sum corresponds to weight value of 1
- Numeric weight can be modified by the user (e.g., 2, 4, ...)

Select factors for the vulnerability index calculation

- Use the drop menu to select vulnerability factors to be included in the vulnerability index calculation (except for "Confirmed cholera outbreak(s) over the analysis period" already added by default)

< > Information → Data input table → Factor selection R.1| Vulnera. index calculation R.2| Vulnera. index summary R.3| Missing data overview R.4| Table PAMIs export +

Alterar manualmente o valor numérico na célula correspondente

Indicator weight
No applicable
3
1
2

Opcional: Definir o peso no cálculo do índice de vulnerabilidade

PASSO 5.5

Âmbito: Selecionar fatores de vulnerabilidade

- Utilizar o menu suspenso para a inclusão/exclusão de fator(es) de vulnerabilidade no cálculo do índice de vulnerabilidade, conforme relevante no contexto específico do país
- Recurso útil para realizar uma análise de sensibilidade dos valores do índice com diferentes conjuntos de fatores de vulnerabilidade

The screenshot shows a software interface with the following structure:

- Step 1: List of the country-specific vulnerability factors** (Vulnerability factors)
- Step 2: Update measurable indicator definition** (Measurable indicators, Variable names)
- Step 3: Set the indicator relative weight (if applicable)** (Indicator weight)
- Step 4: Select factors for the vulnerability index calculation** (Selection of factors in the vulnerability index)

The table below shows the data for Step 4:

Factor	Measurable indicators	Variable names	Indicator weight	Selection of factors in the vulnerability index
Confirmed cholera outbreak(s) over the analysis period	NCP unit with at least one confirmed cholera outbreak reported over the past five year/analysis period	VF_01_chol_otbtk	Not applicable	If "YES", NCP geo. unit is a PAMI
Confirmed cholera imported case(s) in the NCP operational geographic unit considered	NCP unit with at least one confirmed cholera case imported (from another country or another NCP operational geographic unit reported during the analysis period)	VF_02_chol_import	1	Included in the vulnerability index
Cross-border areas adjacent to frequently cholera-affected areas or identified PAMIs in neighbouring country(ies)	Cross-border NCP unit adjacent to cross-border areas frequently affected by cholera outbreaks or classified as PAMI in neighbouring countries	VF_03_chol_proximity	1	Included in the vulnerability index
Location along major travel routes with transportation hubs	NCP unit located along transportation pathway(s) with transportation hub(s)	VF_04_mov_pathw	1	Included in the vulnerability index
Major population gatherings	NCP unit hosting major population gathering(s)	VF_05_pop_gathering	1	Included in the vulnerability index
High population density locations or overcrowded settings	NCP unit with high population density or overcrowded settings	VF_06_overcrowded_set	1	Included in the vulnerability index
High-risk populations	NCP unit with high-risk population	VF_07_high_risk_pop	1	Included in the vulnerability index
Hard-to-access populations	NCP unit with hard-to-access population	VF_08_hard_to_acc_risk_pop	1	Included in the vulnerability index
Population that received oral cholera vaccine (OCV) more than three years ago	NCP unit with a population vaccinated more than three years ago (two-doses OCV campaign with a coverage for both round >70%)	VF_09_ocv	1	Included in the vulnerability index
High-risk for extreme climate and weather conditions	NCP unit exposed to extreme climate and weather conditions	VF_10_climate_event	1	Included in the vulnerability index
Complex humanitarian emergency	NCP unit located in an area under a complex humanitarian emergency	VF_11_comp_humanit_emerg	1	Included in the vulnerability index
Unimproved water	NCP unit with more than 30% of the population using unimproved water facility type (calculated as sum of % of population with unimproved service level and % of population using surface water) OR more than 15% of the population using surface water	VF_12_unimprov_water	1	Included in the vulnerability index
Unimproved sanitation	NCP unit with more than 50% of the population using unimproved sanitation facility type (calculated as % of population with unimproved sanitation service level and % of population practicing open defecation) OR more than 30% of the population practicing open defecation	VF_13_unimprov_sanitat	1	Included in the vulnerability index
Limited access to hygiene	NCP unit with more than 50% of the population with no handwashing facility on premises	VF_14_limited_hygien	1	Included in the vulnerability index
Additionalnal country-specific cholera vulnerability factor (1)	To be completed if additionalnal cholera country-specific factor are selected: "NCP unit with ..."	VF_15_add_factor_1	1	Excluded from the vulnerability index
Additionalnal country-specific cholera vulnerability factor (2)	To be completed if additionalnal cholera country-specific factor are selected: "NCP unit with ..."	VF_16_add_factor_2	1	Excluded from the vulnerability index
Additionalnal country-specific cholera vulnerability factor (3)	To be completed if additionalnal cholera country-specific factor are selected: "NCP unit with ..."	VF_17_add_factor_3	1	Excluded from the vulnerability index
Additionalnal country-specific cholera vulnerability factor (4)	To be completed if additionalnal cholera country-specific factor are selected: "NCP unit with ..."	VF_18_add_factor_4	1	Excluded from the vulnerability index

Included in the vulnerability index

Included in the vulnerability index
Excluded from the vulnerability index

Alterar a seleção utilizando a opção do menu suspenso

Seleção do fator de vulnerabilidade



SECÇÃO IV

CALCULAR O ÍNDICE DE VULNERABILIDADE

PASSO 6.1

Âmbito: Calcular o índice de vulnerabilidade

- Abrir o separador:
R.1| Vulnera. index calculation
- Para expandir o cálculo a todas as unidades geográficas operacionais do PCN em todo o intervalo do conjunto de dados de entrada contido na «Tabela de inserção dados» **selecionar primeiro toda a primeira linha (da célula A2 à célula X2)**

A linha n.º 2 já contém um cálculo automático do índice de prioridade

	unique_id	admin_1	admin_2	Pop	VF_01_chol_crbk	VF_02_chol_import	VF_03_chol_proximity	VF_04_mov_pathw	VF_05_pop_gathering	VF_06_overcrowded_set	VF_07_high_risk_pop	VF_08_hard_to_acc.risk_pop	VF_09_ocv	VF_10_climate_event	VF_11_comp_humanit_emerg	VF_12_unimprov_water	VF_13_unimprov_sanitak	VF_14_limited_hygiene	VF_15_add_factor_1	VF_16_add_factor_2	VF_17_add_factor_3	VF_18_add_factor_4	Number_of_missing_values	Priority_Index	
1																									
2	id_005	admin_1_01	admin_2_005	64393	No	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	0			
3																									
4																									
5																									
6																									

	unique_id	admin_1	admin_2	Pop	VF_01_chol_crbk	VF_02_chol_import	VF_03_chol_proximity	VF_04_mov_pathw	VF_05_pop_gathering	VF_06_overcrowded_set	VF_07_high_risk_pop	VF_08_hard_to_acc.risk_pop	VF_09_ocv	VF_10_climate_event	VF_11_comp_humanit_emerg	VF_12_unimprov_water	VF_13_unimprov_sanitak	VF_14_limited_hygiene	VF_15_add_factor_1	VF_16_add_factor_2	VF_17_add_factor_3	VF_18_add_factor_4	Number_of_missing_values	Priority_Index	
1																									
2	id_005	admin_1_01	admin_2_005	64393	No	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	0			
3																									
4																									
5																									
6																									



Não alterar os nomes do cabeçalho nem as fórmulas da tabela

PASSO 6.2

Âmbito: Calcular o índice de vulnerabilidade

- Selecionar o canto inferior direito da célula «X2»
- Colocar o rato na **marca verde (parte verde)** e manter o botão esquerdo pressionado
- Em seguida, **arrasta a seleção mantendo o botão esquerdo pressionado** para preencher as fórmulas **até todas as unidades geográficas operacionais do PCN do conjunto de dados de entrada serem incluídas na tabela de dados**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2	id_005	admin_1_01	admin_2_005	64393	No	Not_included	Not_included	Not_included	Not_included	0	0															
3																										
4																										
5																										
6																										



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1																										
2	id_005	admin_1_01	admin_2_005	64393	No	Not_included	Not_included	Not_included	Not_included	0	0															
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11																										
12																										
13																										



PASSO 6.3

Âmbito: Calcular o índice de vulnerabilidade

- Verificar se todas as unidades do PCN estão incluídas no intervalo de dados
- Para o conjunto de dados de formação aqui utilizado como exemplo, até à linha 101 para incluir todas as unidades operacionais do PCN (n=100)**

O número de valores em falta é calculado automaticamente

File	Home	Insert	Page Layout	Formulas	Data	Review	View	Automate	Help	Acrobat	Power Pivot	Table Design																
unique	admin_1	admin_2	pop	VF_0'	VF_02_choi	VF_03_choi	VF_04_mov	VF_05_pop	VF_06_ove	VF_07_high	VF_08_hard	VF_09_ov	VF_10_clim	VF_11_com	VF_12_unir	VF_13_unir	VF_14_lim	VF_15_add	VF_16_add	VF_17_add	VF_18_add	Number_of	Priority_ind					
76	id_223	admin_1_14	admin_2_223	2E+05	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Not_included	Not_included	Not_included	Not_included	0	4				
77	id_224	admin_1_14	admin_2_224	2E+05	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI				
78	id_225	admin_1_14	admin_2_225	3E+05	Yes	Yes	No	No	Yes	No	Yes	No	No	No	No	Yes	Missing_value	Not_included	Not_included	Not_included	Not_included	0	1					
79	id_227	admin_1_14	admin_2_227	6E+05	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI				
80	id_231	admin_1_14	admin_2_231	5E+05	Yes	Yes	No	Yes	Yes	No	Yes	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	1				
81	id_233	admin_1_14	admin_2_233	2E+05	No	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	No	Not_included	Not_included	Not_included	Not_included	0	8				
82	id_234	admin_1_14	admin_2_234	4E+05	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Not_included	Not_included	Not_included	Not_included	0	1				
83	id_239	admin_1_14	admin_2_239	3E+05	No	No	No	No	Yes	No	Yes	Missing_value	Missing_value	Missing_value	No	No	Missing_value	No	Not_included	Not_included	Not_included	Not_included	4	2				
84	id_244	admin_1_15	admin_2_244	1E+05	No	No	No	No	No	No	No	Yes	No	No	No	No	Yes	Not_included	Not_included	Not_included	Not_included	0	2					
85	id_246	admin_1_15	admin_2_246	2E+05	No	No	No	No	No	No	No	Yes	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	1					
86	id_250	admin_1_15	admin_2_250	2E+05	Yes	No	No	No	No	No	No	Yes	No	Yes	No	No	No	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI					
87	id_256	admin_1_15	admin_2_256	5E+05	Yes	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	No	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI					
88	id_260	admin_1_15	admin_2_260	4E+05	No	No	No	No	No	No	No	Yes	No	No	Yes	No	No	Not_included	Not_included	Not_included	Not_included	0	2					
89	id_265	admin_1_15	admin_2_265	2E+05	No	Yes	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes	Not_included	Not_included	Not_included	Not_included	0	5				
90	id_277	admin_1_15	admin_2_277	2E+05	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI				
91	id_281	admin_1_17	admin_2_281	3E+05	Yes	No	Yes	Yes	No	No	No	No	Yes	Yes	Yes	No	Yes	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI					
92	id_282	admin_1_17	admin_2_282	4E+05	Yes	Yes	Yes	No	Yes	Yes	Yes	No	Yes	No	No	No	Yes	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI					
93	id_284	admin_1_17	admin_2_284	2E+05	No	Yes	No	No	Yes	No	Yes	No	No	No	Yes	No	No	No	Not_included	Not_included	Not_included	Not_included	0	4				
94	id_292	admin_1_18	admin_2_292	1E+05	No	No	No	Yes	No	No	No	No	No	No	No	No	Yes	Not_included	Not_included	Not_included	Not_included	0	1					
95	id_300	admin_1_18	admin_2_300	2E+05	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	Not_included	Not_included	Not_included	Not_included	0	3					
96	id_302	admin_1_18	admin_2_302	91815	No	No	No	No	Yes	No	No	No	No	No	Yes	No	No	Not_included	Not_included	Not_included	Not_included	0	2					
97	id_304	admin_1_18	admin_2_304	2E+05	No	No	No	No	No	No	No	Yes	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	1					
98	id_305	admin_1_18	admin_2_305	2E+05	No	No	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	0					
99	id_306	admin_1_18	admin_2_306	1E+05	No	Yes	No	Yes	No	No	No	No	No	No	No	No	Yes	Not_included	Not_included	Not_included	Not_included	0	3					
100	id_307	admin_1_18	admin_2_307	1E+05	No	No	No	No	Missing_value	Yes	Missing_value	No	Yes	No	No	No	Yes	Not_included	Not_included	Not_included	Not_included	0	3					
101	id_102	admin_1_07	admin_2_308	3E+05	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Not_included	Not_included	Not_included	Not_included	0	1					

Os valores do índice de vulnerabilidade são calculados automaticamente



SECÇÃO V

EXPLORAR E EXPORTAR OS RESULTADOS DO ÍNDICE DE VULNERABILIDADE

PASSO 7

Âmbito: Atualizar Dados e Tabelas Dinâmicas

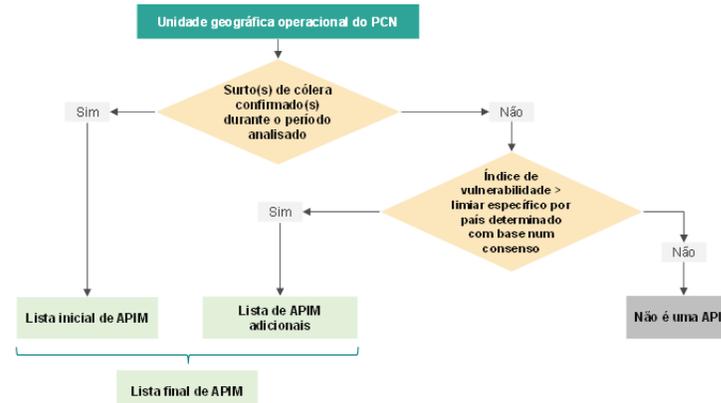
- Abrir o separador:

R.2| Vulnera. index summary

- Para atualizar o livro

To refresh the table, type CTRL + ALT + F5 or open tab Data, then select the drop-down menu "Refresh all" and click on "Refresh all"

Summary table of key parameters stratified by priority index values



Vulnerability index values	Number of geographic units	Cum. number of geographic units	Rel. % of the num. of geographic units	Cum. % of the num. of geographic units	Total population	Rel. % of total population	Cum. % of total population
#REF!		100	100	NA	NA	NA	NA
Grand Total	NA	NA	NA	NA	NA	NA	NA

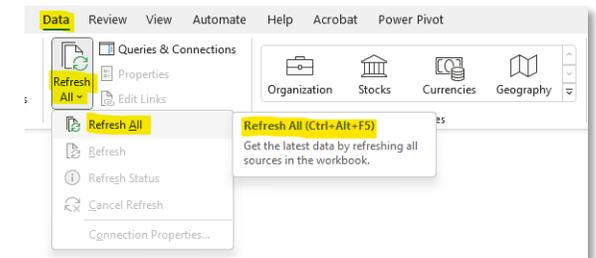
Information → Data input table → Factor selection R.1| Vulnera. index calculation R.2| Vulnera. index summary R.3| Missing data overview R.4| Table PAMIs export +



Para atualizar todos os Dados automatizados e Tabelas Dinâmicas no livro do Excel:

Opção 1: Carregar em **CTRL + ALT + F5**

Opção 2: Abrir o separador Dados, selecionar o menu suspenso «Atualizar tudo» e carregar em «**Atualizar tudo**»



PASSO 8.1

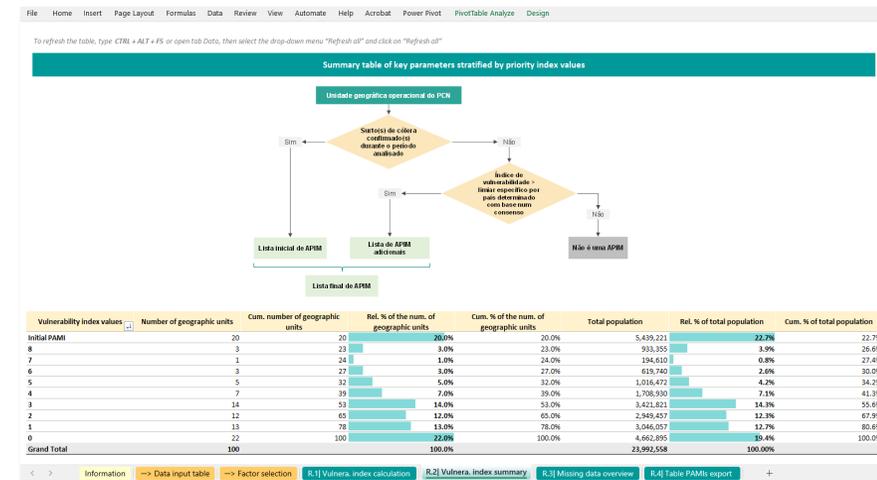
Âmbito: Explorar a tabela do resumo

- A tabela dinâmica contém **parâmetros chave** (ou seja, número de unidades geográficas operacionais do PCN, população alvo) **estratificados por valores do índice de vulnerabilidade**
- Para fins de ilustração, o limiar do valor do índice é igual a 6

Botão Ordenar e filtrar



Vulnerability index values	Number of geographic units	Cum. number of geographic units	Rel. % of the num. of geographic units	Cum. % of the num. of geographic units	Total population	Rel. % of total population	Cum. % of total population
Initial PAMI	20	20	20.0%	20.0%	5,439,221	22.7%	22.7%
8	3	23	3.0%	23.0%	933,355	3.9%	26.6%
7	1	24	1.0%	24.0%	194,610	0.8%	27.4%
6	3	27	3.0%	27.0%	619,740	2.6%	30.0%
5	5	32	5.0%	32.0%	1,016,472	4.2%	34.2%
4	7	39	7.0%	39.0%	1,708,930	7.1%	41.3%
3	14	53	14.0%	53.0%	3,421,821	14.3%	55.6%
2	12	65	12.0%	65.0%	2,949,457	12.3%	67.9%
1	13	78	13.0%	78.0%	3,046,057	12.7%	80.6%
0	22	100	22.0%	100.0%	4,662,895	19.4%	100.0%
Grand Total	100		100.0%		23,992,558	100.00%	



Assumindo-se o limiar do índice de vulnerabilidade > 6 , **24 unidades operacionais do PCN**, que representam **27,4 % da população total**, são classificadas como APIM:

- 20 inicialmente classificadas como APIM devido a transmissão anterior da cólera
- 4 classificadas como APIM devido ao valor do índice > 6

PASSO 8.2

Âmbito: Verificar dados em falta

- Abrir o separador:
R.3| Missing data overview
- Verificar a frequência de dados em falta
- **Devem ser recolhidos dados sobre indicadores de vulnerabilidade mensuráveis para todas as unidades geográficas operacionais do PCN para evitar preconceções no cálculo do índice de vulnerabilidade**

Vulnerability factors	Num. of observations				Relative percentage			
	Missing values	"No"	"Yes"	Total	Missing values	"No"	"Yes"	Total
Confirmed cholera outbreak(s) over the analysis period	1	79	20	100	1.0%	79.0%	20.0%	100.0%
Confirmed cholera imported case(s) in the NCP operational geographic unit considered	0	68	32	100	0.0%	68.0%	32.0%	100.0%
Cross-border areas adjacent to frequently cholera-affected areas or identified PAMIs in neighbouring country(ies)	7	73	20	100	7.0%	73.0%	20.0%	100.0%
Location along major travel routes with transportation hubs	0	80	20	100	0.0%	80.0%	20.0%	100.0%
Major population gatherings	2	66	32	100	2.0%	66.0%	32.0%	100.0%
High population density locations or overcrowded settings	0	84	16	100	0.0%	84.0%	16.0%	100.0%
High-risk populations	2	66	32	100	2.0%	66.0%	32.0%	100.0%
Hard-to-access populations	1	93	6	100	1.0%	93.0%	6.0%	100.0%
Population that received oral cholera vaccine (OCV) more than three years ago	2	75	23	100	2.0%	75.0%	23.0%	100.0%
High-risk for extreme climate and weather conditions	4	83	13	100	4.0%	83.0%	13.0%	100.0%
Complex humanitarian emergency	0	73	27	100	0.0%	73.0%	27.0%	100.0%
Unimproved water	0	75	25	100	0.0%	75.0%	25.0%	100.0%
Unimproved sanitation	3	79	18	100	3.0%	79.0%	18.0%	100.0%
Limited access to hygiene	2	70	28	100	2.0%	70.0%	28.0%	100.0%
Additional country-specific cholera vulnerability factor (1)	0	0	0	0	.	.	.	.
Additional country-specific cholera vulnerability factor (2)	0	0	0	0	.	.	.	.
Additional country-specific cholera vulnerability factor (3)	0	0	0	0	.	.	.	.
Additional country-specific cholera vulnerability factor (4)	0	0	0	0	.	.	.	.

Information → Data input table → Factor selection **R.1| Vuln. index calculation** R.2| Vuln. index summary **R.3| Missing data overview** R.4| Table PAMIs export +



De salientar que o conjunto de dados da formação não contém dados em falta por uma questão de exemplo.

É recomendável importar apenas o conjunto de dados sem dados em falta para evitar preconceitos no cálculo do índice de vulnerabilidade. Para obter mais informações, consulte a secção « [Gestão de dados em falta](#) » na secção orientação e perguntas frequentes abaixo.

PASSO 9

Âmbito: Explorar a tabela de exportação de APIM

- Abrir o separador: **R.4| Table PAMs export**
- Os botões de ordenação e filtro permitem explorar unidades geográficas de acordo com o valor do índice selecionado
- Esta tabela pode ser usada e exportada para análise e mapeamento adicionais

unique_id	admin_1	admin_2	pop	VF_01_chd_atk	VF_02_chd_injmbot	VF_03_chd_privmitry	VF_04_mos_palfaw	VF_05_pop_gathering	VF_06_overcrowded_sul	VF_07_high_risk_pop	VF_08_herd_to_acc_risk_pop	VF_09_...	VF_10_crimme_event	VF_11_compr_humane_emerg	VF_12_unimporc_water	VF_14_unimporc_sanitaz	VF_15_add_facto_1	VF_16_add_facto_2	VF_17_add_facto_3	VF_18_add_facto_4	Number of missing values	Priority index	
1	id_005	admin_1_02	admin_2_001	52595	Yes	Yes	No	Yes	No	Yes	No	No	Yes	No	No	No	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI	
2	id_008	admin_1_02	admin_2_039	287942	Yes	No	No	No	No	No	No	Yes	No	No	No	Yes	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI	
3	id_048	admin_1_03	admin_2_048	86588	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI	
4	id_007	admin_1_04	admin_2_067	52772	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes	No	No	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI	
5	id_001	admin_1_08	admin_2_001	170574	Yes	No	No	Yes	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI	
6	id_050	admin_1_08	admin_2_050	294477	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI	
7	id_178	admin_1_11	admin_2_178	262385	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI	
8	id_011	admin_1_13	admin_2_011	191039	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	No	No	No	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI	
9	id_010	admin_1_13	admin_2_010	448862	Yes	No	No	No	No	No	No	Yes	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI	
10	id_030	admin_1_16	admin_2_030	195924	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI	
11	id_239	admin_1_14	admin_2_239	174622	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI
12	id_234	admin_1_14	admin_2_234	280323	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI
13	id_226	admin_1_14	admin_2_226	300607	Yes	Yes	No	No	Yes	No	Yes	No	No	No	No	Yes	Missing_value	Not_included	Not_included	Not_included	Not_included	1	Initial PAMI
14	id_227	admin_1_14	admin_2_227	85930	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes	No	No	Yes	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI	
15	id_250	admin_1_15	admin_2_250	31781	Yes	Yes	No	No	No	No	Yes	No	Yes	No	No	No	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI	
16	id_266	admin_1_15	admin_2_266	495840	Yes	Yes	No	Yes	No	Yes	No	Yes	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI	
17	id_277	admin_1_15	admin_2_277	200897	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI	
18	id_261	admin_1_17	admin_2_261	290025	Yes	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes	Yes	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI
19	id_262	admin_1_17	admin_2_262	295247	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	No	Yes	Yes	Not_included	Not_included	Not_included	Not_included	0	Initial PAMI	
20	id_091	admin_1_03	admin_2_091	369683	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Not_included	Not_included	Not_included	Not_included	0	8	
21	id_101	admin_1_09	admin_2_101	32194	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Not_included	Not_included	Not_included	Not_included	0	8	
22	id_253	admin_1_14	admin_2_253	249872	No	Yes	No	Yes	Yes	Yes	No	Yes	No	Yes	No	No	Not_included	Not_included	Not_included	Not_included	0	6	
23	id_055	admin_1_08	admin_2_055	78480	No	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	7	
24	id_134	admin_1_11	admin_2_134	229469	No	No	No	No	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Not_included	Not_included	Not_included	Not_included	0	6	
25	id_068	admin_1_09	admin_2_068	159388	No	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes	No	No	Missing_value	Not_included	Not_included	Not_included	Not_included	0	6
26	id_077	admin_1_11	admin_2_077	216863	No	No	No	No	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Not_included	Not_included	Not_included	Not_included	0	6	
27	id_068	admin_1_09	admin_2_068	159388	No	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes	No	No	Not_included	Not_included	Not_included	Not_included	0	6	
28	id_095	admin_1_04	admin_2_095	374440	No	Yes	No	Yes	Yes	Yes	No	Yes	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	5	
29	id_085	admin_1_04	admin_2_085	19489	No	Yes	No	Yes	Yes	Yes	No	Yes	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	5	
30	id_120	admin_1_07	admin_2_120	254667	Missing_value	No	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	No	Not_included	Not_included	Not_included	Not_included	0	5	
31	id_147	admin_1_08	admin_2_147	73458	No	No	No	No	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Not_included	Not_included	Not_included	Not_included	0	5	
32	id_085	admin_1_04	admin_2_085	205086	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	Not_included	Not_included	Not_included	Not_included	0	5	
33	id_093	admin_1_04	admin_2_093	200425	No	No	Missing_value	No	Yes	No	Yes	No	Yes	No	No	No	Not_included	Not_included	Not_included	Not_included	0	4	
34	id_120	admin_1_07	admin_2_120	254667	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	Not_included	Not_included	Not_included	Not_included	0	4	
35	id_134	admin_1_11	admin_2_134	229469	No	No	Yes	No	Yes	No	Yes	No	Yes	No	No	No	Not_included	Not_included	Not_included	Not_included	0	4	
36	id_220	admin_1_14	admin_2_220	95930	No	Yes	No	No	Yes	No	No	No	No	Yes	No	No	Not_included	Not_included	Not_included	Not_included	0	4	
37	id_253	admin_1_14	admin_2_253	249872	No	No	No	No	Yes	No	Yes	No	Yes	No	Yes	Yes	Not_included	Not_included	Not_included	Not_included	0	4	
38	id_231	admin_1_14	admin_2_231	47785	Missing_value	No	No	Yes	Yes	No	Yes	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	4	
39	id_284	admin_1_17	admin_2_284	35029	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	No	Not_included	Not_included	Not_included	Not_included	0	4	
40	id_055	admin_1_08	admin_2_055	78480	No	Yes	Missing_value	No	Yes	No	Yes	No	No	Yes	No	No	Not_included	Not_included	Not_included	Not_included	0	3	
41	id_084	admin_1_04	admin_2_084	170523	No	No	No	No	Yes	No	Yes	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	3	
42	id_088	admin_1_04	admin_2_088	227348	No	No	No	No	No	No	No	Yes	No	No	No	No	Not_included	Not_included	Not_included	Not_included	0	3	
43	id_100	admin_1_06	admin_2_100	224011	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Not_included	Not_included	Not_included	Not_included	0	3	
44	id_100	admin_1_06	admin_2_100	224011	Missing_value	Missing_value	Missing_value	Missing_value	Missing_value	Missing_value	Missing_value	Missing_value	Missing_value	Missing_value	Missing_value	Missing_value	Not_included	Not_included	Not_included	Not_included	0	3	

R.4| Table PAMs export

unique_id	admin_1	admin_2	pop	VF_01_chd_atk	VF_02_chd_injmbot	VF_03_chd_privmitry	VF_04_mos_palfaw	VF_05_pop_gathering	VF_06_overcrowded_sul	VF_07_high_risk_pop	VF_08_herd_to_acc_risk_pop	VF_09_...	VF_10_crimme_event	VF_11_compr_humane_emerg	VF_12_unimporc_water	VF_14_unimporc_sanitaz	VF_15_add_facto_1	VF_16_add_facto_2	VF_17_add_facto_3	VF_18_add_facto_4	Number of missing values	Priority index
22	id_051	admin_1_03	admin_2_051	369683	No	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No	Yes	Not_included	Not_included	Not_included	Not_included	0	8	
23	id_181	admin_1_09	admin_2_181	322194	No	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes	No	Not_included	Not_included	Not_included	Not_included	0	8	
24	id_233	admin_1_14	admin_2_233	214972	No	Yes	No	Yes	Yes	Yes	Yes	No	Yes	No	No	Not_included	Not_included	Not_included	Not_included	0	8	
25	id_195	admin_1_08	admin_2_195	194610	No	Yes	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	No	Not_included	Not_included	Not_included	Not_included	0	7

Valores do índice 7 e 8 selecionados

Sort Smallest to Largest
Sort Largest to Smallest
Sort by Color
Sheet View
Clear Filter From "Priority_index"
Filter by Color
Number Filters
Search
[Select All]
 0
 1
 2
 3
 4
 5
 6
 7
 8
 Initial PAMI
OK Cancel

Sort Smallest to Largest
Sort Largest to Smallest
Sort by Color
Sheet View
Clear Filter From "Priority_index"
Filter by Color
Number Filters
Search
[Select All]
 0
 1
 2
 3
 4
 5
 6
 7
 8
 Initial PAMI
OK Cancel



SECÇÃO VI

PERGUNTAS FREQUENTES (FAQ)

LISTA DE FAQ

Esta secção apresenta informações adicionais sobre tópicos específicos e procedimentos de resolução de problemas:

- Como **alterar o peso de um fator de vulnerabilidade?**
- Como **selecionar os fatores de vulnerabilidade incluídos no cálculo do índice?**
- Como **adicionar um fator de vulnerabilidade adicional no modelo de dados?**
- Como **adicionar um fator de vulnerabilidade adicional no cálculo do índice?**
- Como **gerir dados em falta?**
- Como **eliminar erros no separador R.1?**

Como alterar o peso de um fator de vulnerabilidade? (1)

Âmbito: ponderação do fator de vulnerabilidade

- Como princípio geral, o índice de vulnerabilidade para cada unidade geográfica operacional do PCN é calculado pela **soma aritmética não ponderada dos pontos de todos os fatores de vulnerabilidade à cólera selecionados**
- É possível dar mais importância a um ou mais fatores de vulnerabilidade **multiplicando a classificação do fator (1 ou 0) por um valor numérico** que representa a **importância relativa do fator correspondente**

Not applicable
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1
1

Add numeric value for the relative weight

1- Abrir o separador

-> Factor selection

2 - Alterar o valor numérico do peso do fator de interesse

Como alterar o peso de um fator de vulnerabilidade? (2)

Âmbito: ponderação do fator de vulnerabilidade

- Neste exemplo à direita, o valor da classificação do fator (1 ou 0) de

«Unidade transfronteiriça do PCN adjacente a zonas transfronteiriças frequentemente afetadas por surtos de cólera ou classificadas como APIM em países vizinhos» é definida com **peso relativo de 2**

«Unidade do PCN que acolhe grandes concentrações populacionais» é definida com **peso relativo de 3**

«Unidade do PCN com população de difícil acesso» é definida com **peso relativo de 2**

Vulnerability factors	Measurable indicators	Variable names	Indicator weight
Confirmed cholera outbreak(s) over the analysis period	NCP unit with at least one confirmed cholera outbreak reported over the past five year/analysis period	VF_01_cho_otbk	Not applicable
Confirmed cholera imported case(s) in the NCP operational geographic unit considered	NCP unit with at least one confirmed cholera case imported (from another country or another NCP operational geographic unit reported during the analysis period)	VF_02_cho_import	1
Cross-border areas adjacent to frequently cholera-affected areas or identified PAMIs in neighbouring country(ies)	Cross-border NCP unit adjacent to cross-border areas frequently affected by cholera outbreaks or classified as PAMI in neighbouring countries	VF_03_cho_proximity	2
Location along major travel routes with transportation hubs	NCP unit located along transportation pathway(s) with transportation hub(s)	VF_04_mov_pathw	1
Major population gatherings	NCP unit hosting major population gathering(s)	VF_05_pop_gathering	3
High population density locations or overcrowded settings	NCP unit with high population density or overcrowded settings	VF_06_overcrowded_set	1
High-risk populations	NCP unit with high-risk population	VF_07_high_risk_pop	1
Hard-to-access populations	NCP unit with hard-to-access population	VF_08_hard_to_acc_risk_pop	2
Population that received oral cholera vaccine (OCV) more than three years ago	NCP unit with a population vaccinated more than three years ago (two-doses OCV campaign with a coverage for both round >70%)	VF_09_ocv	1
High-risk for extreme climate and weather conditions	NCP unit exposed to extreme climate and weather conditions	VF_10_climate_event	1
Complex humanitarian emergency	NCP unit located in an area under a complex humanitarian emergency	VF_11_comp_humanit_emerg	1

Os novos valores de peso são automaticamente aplicados no cálculo do índice

Atualizar sempre o livro para atualizar as tabelas de resultados utilizando o atalho do livro: **Ctrl+Alt+F5**

Como selecionar os fatores de vulnerabilidade incluídos no cálculo do índice?

Âmbito: gestão do fator de vulnerabilidade

- A ferramenta fornece ao utilizador a capacidade de **selecionar/desmarcar fatores de vulnerabilidade** incluídos no cálculo do índice
- O cálculo do índice é automaticamente atualizado com a lista de fatores selecionados

Selection of factors in the vulnerability index	
If "YES", NCP geo. unit is a PAMI	
Included in the vulnerability index	
Included in the vulnerability index	
Excluded from the vulnerability index	
Included in the vulnerability index	
Included in the vulnerability index	
Included in the vulnerability index	
Included in the vulnerability index	
Included in the vulnerability index	
Included in the vulnerability index	
Included in the vulnerability index	
Included in the vulnerability index	
Included in the vulnerability index	
Included in the vulnerability index	
Included in the vulnerability index	
Excluded from the vulnerability index	
Excluded from the vulnerability index	
Excluded from the vulnerability index	
Excluded from the vulnerability index	

1- Abrir o separador -> Factor selection

List of the country-specific vulnerability factors	Update measurable indicator definition	Set the indicator relative weight (if applicable)	Select factors for the vulnerability index calculation
Vulnerability factors	Measurable Indicators	Variable names	Indicator weight
Confirmed cholera outbreaks over the analysis period	NCP unit with at least one confirmed cholera outbreak reported over the past five years/analysis period	VF_01_chol_outb	Not applicable
Confirmed cholera imported cases in the NCP operational geographic unit considered	NCP unit with at least one confirmed cholera case reported from another country of another NCP operational geographic unit reported during the analysis period	VF_02_chol_import	1
Cross-border areas adjacent to frequently cholera-affected areas or identified PAMIs in neighboring countries	Cross-border NCP unit adjacent to cross-border areas frequently affected by cholera outbreaks or classified as PAMI in neighboring countries	VF_03_chol_proximity	1
Location along major travel routes with transportation hubs	NCP unit located along transportation pathway(s) with transportation hub(s)	VF_04_travel_pathway	1
Major population gatherings	NCP unit hosting major population gathering(s)	VF_05_pop_gathering	1
High population density locations or overcrowded settings	NCP unit with high population density or overcrowded settings	VF_06_overcrowded_set	1
High-risk populations	NCP unit with high-risk population	VF_07_high_risk_pop	1
Hard-to-access populations	NCP unit with hard-to-access population	VF_08_hard_to_access_pop	1
Population that received oral cholera vaccine (OCV) more than three years ago	NCP unit with a population vaccinated more than three years ago (two-doses OCV campaign with a coverage for both rounds >70%)	VF_09_ocv	1
High-risk for extreme climate and weather conditions	NCP unit exposed to extreme climate and weather conditions	VF_10_extreme_weather	1
Complex humanitarian emergency	NCP unit located in an area under a complex humanitarian emergency	VF_11_complex_hum_emerg	1
Unimproved water	NCP unit with more than 30% of the population using unimproved water facility type (calculated as sum of % of population with unimproved service level and % of population using surface water) OR more than 15% of the population using surface water	VF_12_unimprov_water	1
Unimproved sanitation	NCP unit with more than 50% of the population using unimproved sanitation facility type (calculated as % of population with unimproved sanitation service level and % of population practicing open defecation) OR more than 30% of the population practicing open defecation	VF_13_unimprov_sanit	1
Limited access to hygiene	NCP unit with more than 50% of the population with no handwashing facility on premises	VF_14_limited_hygen	1
Additional country-specific cholera vulnerability factor (1)	To be completed if additional cholera country-specific factor are selected: "NCP unit with..."	VF_15_add_factor_1	1
Additional country-specific cholera vulnerability factor (2)	To be completed if additional cholera country-specific factor are selected: "NCP unit with..."	VF_16_add_factor_2	1
Additional country-specific cholera vulnerability factor (3)	To be completed if additional cholera country-specific factor are selected: "NCP unit with..."	VF_17_add_factor_3	1
Additional country-specific cholera vulnerability factor (4)	To be completed if additional cholera country-specific factor are selected: "NCP unit with..."	VF_18_add_factor_4	1

2 - Utilizar a lista suspensa para incluir ou excluir no cálculo do índice de vulnerabilidade o fator de vulnerabilidade localizado na mesma linha

Nota: o fator «Surto(s) de cólera confirmado(s) durante o período da análise» é sempre incluído no cálculo do índice

Atualizar sempre o livro para atualizar as tabelas de resultados utilizando o atalho do livro: Ctrl+Alt+F5

Como adicionar um fator de vulnerabilidade adicional no modelo de dados?

Âmbito: gestão dos dados do fator de vulnerabilidade

- O modelo de dados permite acrescentar **quatro fatores adicionais específicos do país**
- A título de exemplo, é considerado um fator de vulnerabilidade adicional específico do país «Zonas com porto(s) e mercado de peixe»
- Dados acrescentados em «VF_15_adicionar_fator_1»

Espaço reservado para guardar informação do indicador mensurável (Sim/Não)

VF_15_add_factor_1
VF_16_add_factor_2
VF_17_add_factor_3
VF_18_add_factor_4

	Unique_id	admin_1	admin_2	population	VF_01_chol_dta	VF_02_chol_impact	VF_03_chol_proximity	VF_04_mor_pathway	VF_05_pop_pathway	VF_06_overcrowded_hst	VF_07_high_risk_pop	VF_08_herd_to_rec_risk_pop	VF_09_ocr	VF_10_olimate_event	VF_11_comp_humant_aming	VF_12_unimprova_walter	VF_13_unimprova_saragat	VF_14_unimprova_hygien	VF_15_add_factor_1	VF_16_add_factor_2	VF_17_add_factor_3	VF_18_add_factor_4	
2	id_005	admin_1_01	admin_2_005	64.333	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included
3	id_013	admin_1_02	admin_2_013	121.255	Yes	Yes	No	No	Yes	No	No	No	No	Yes	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included
4	id_014	admin_1_02	admin_2_014	37.086	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	Not_included	Not_included	Not_included	Not_included
5	id_015	admin_1_02	admin_2_015	164.440	No	No	Yes	Yes	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included
6	id_022	admin_1_02	admin_2_022	290.397	No	No	Missing_value	No	No	No	No	No	No	No	No	No	No	Yes	No	Not_included	Not_included	Not_included	Not_included
7	id_025	admin_1_02	admin_2_025	253.327	Yes	No	Yes	No	No	Yes	No	No	No	No	Yes	No	No	No	No	Not_included	Not_included	Not_included	Not_included
8	id_028	admin_1_02	admin_2_028	163.610	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included
9	id_030	admin_1_02	admin_2_030	113.295	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included
10	id_033	admin_1_02	admin_2_033	223.118	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included
11	id_035	admin_1_02	admin_2_035	317.110	No	Yes	Missing_value	No	Yes	No	No	No	No	Missing_value	No	No	No	No	No	No	Not_included	Not_included	Not_included
12	id_038	admin_1_02	admin_2_038	283.342	Yes	No	No	No	No	No	No	Yes	No	Yes	No	No	No	No	Yes	Not_included	Not_included	Not_included	Not_included
13	id_039	admin_1_02	admin_2_039	161.100	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	Not_included	Not_included	Not_included	Not_included
14	id_048	admin_1_03	admin_2_048	166.885	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Not_included	Not_included	Not_included	Not_included
15	id_051	admin_1_03	admin_2_051	369.669	No	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	No	Yes	Yes	Not_included	Not_included	Not_included	Not_included
16	id_053	admin_1_04	admin_2_053	200.425	No	No	Missing_value	No	Yes	No	No	No	Yes	No	No	No	No	Yes	Yes	Not_included	Not_included	Not_included	Not_included
17	id_054	admin_1_04	admin_2_054	176.323	No	No	No	No	Yes	No	No	No	Yes	No	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included
18	id_055	admin_1_04	admin_2_055	374.440	No	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included
19	id_058	admin_1_04	admin_2_058	227.349	No	No	No	No	Yes	No	No	No	No	No	Yes	No	No	No	No	Not_included	Not_included	Not_included	Not_included
20	id_065	admin_1_04	admin_2_065	111.409	No	Yes	No	No	Yes	Yes	Yes	Yes	No	No	No	Yes	No	No	No	Not_included	Not_included	Not_included	Not_included
21	id_066	admin_1_04	admin_2_066	162.852	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	Not_included	Not_included	Not_included	Not_included
22	id_067	admin_1_04	admin_2_067	122.772	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No	No	No	Not_included	Not_included	Not_included	Not_included
23	id_070	admin_1_04	admin_2_070	260.209	No	No	No	No	No	No	No	No	No	No	No	Yes	No	Yes	No	Not_included	Not_included	Not_included	Not_included
24	id_073	admin_1_05	admin_2_073	212.023	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included
25	id_074	admin_1_05	admin_2_074	219.337	No	No	No	No	No	No	No	Yes	No	No	No	Yes	No	No	No	Not_included	Not_included	Not_included	Not_included
26	id_088	admin_1_06	admin_2_088	441.446	No	No	Missing_value	No	No	No	Missing_value	No	No	Missing_value	No	No	Missing_value	Missing_value	Missing_value	Not_included	Not_included	Not_included	Not_included
27	id_090	admin_1_06	admin_2_090	302.855	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	Yes	Not_included	Not_included	Not_included	Not_included
28	id_094	admin_1_06	admin_2_094	185.842	No	No	Missing_value	No	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	Not_included



Não alterar o nome da variável no modelo

Como adicionar um fator de vulnerabilidade adicional no cálculo do índice? (1)

Âmbito: gestão do fator de vulnerabilidade

- Alguns utilizadores poderão querer incluir fatores de vulnerabilidade que não estejam identificados na lista indicativa
- A ferramenta permite acrescentar quatro fatores adicionais específicos do país à vulnerabilidade, utilizando as linhas «Fator adicional de vulnerabilidade da cólera específico do país» (1 a 4)

Vulnerability factors	Measurable indicators	Variable names	Indicator weight	Selection of factors in the vulnerability index
Confirmed cholera outbreak(s) over the analysis period	NCP unit with at least one confirmed cholera outbreak reported over the past five year/analysis period	VF_01_chol_otbk	Not applicable	If "YES", NCP geo. unit is a PAMI
Confirmed cholera imported case(s) in the NCP operational geographic unit considered	NCP unit with at least one confirmed cholera case imported (from another country or another NCP operational geographic unit reported during the analysis period)	VF_02_chol_import	1	Included in the vulnerability index
Cross-border areas adjacent to frequently cholera-affected areas or identified PAMIs in neighbouring country(ies)	Cross-border NCP unit adjacent to cross-border areas frequently affected by cholera outbreaks or classified as PAMI in neighbouring countries	VF_03_chol_proximity	1	Included in the vulnerability index
Location along major travel routes with transportation hubs	NCP unit located along transportation pathway(s) with transportation hub(s)	VF_04_mov_pathw	1	Included in the vulnerability index
Major population gatherings	NCP unit hosting major population gathering(s)	VF_05_pop_gathering	1	Included in the vulnerability index
High population density locations or overcrowded settings	NCP unit with high population density or overcrowded settings	VF_06_overcrowded_set	1	Included in the vulnerability index
High-risk populations	NCP unit with high-risk population	VF_07_high_risk_pop	1	Included in the vulnerability index
Hard-to-access populations	NCP unit with hard-to-access population	VF_08_hard_to_acc_risk_pop	1	Included in the vulnerability index
Population that received oral cholera vaccine (OCV) more than three years ago	NCP unit with a population vaccinated more than three years ago (two-doses OCV campaign with a coverage for both round >70%)	VF_09_ocv	1	Included in the vulnerability index
High-risk for extreme climate and weather conditions	NCP unit exposed to extreme climate and weather conditions	VF_10_climate_event	1	Included in the vulnerability index
Complex humanitarian emergency	NCP unit located in an area under a complex humanitarian emergency	VF_11_comp_humanit_emerg	1	Included in the vulnerability index
Unimproved water	NCP unit with more than 30% of the population using unimproved water facility type (calculated as sum of % of population with unimproved service level and % of population using surface water) OR more than 15% of the population using surface water	VF_12_unimprov_water	1	Included in the vulnerability index
Unimproved sanitation	NCP unit with more than 50% of the population using unimproved sanitation facility type (calculated as % of population with unimproved sanitation service level and % of population practicing open defecation) OR more than 30% of the population practicing open defecation	VF_13_unimprov_sanitat	1	Included in the vulnerability index
Limited access to hygiene	NCP unit with more than 50% of the population with no handwashing facility on premises	VF_14_limited_hygien	1	Included in the vulnerability index
Additional country-specific cholera vulnerability factor (1)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_15_add_factor_1	1	Excluded from the vulnerability index
Additional country-specific cholera vulnerability factor (2)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_16_add_factor_2	1	Excluded from the vulnerability index
Additional country-specific cholera vulnerability factor (3)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_17_add_factor_3	1	Excluded from the vulnerability index
Additional country-specific cholera vulnerability factor (4)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_18_add_factor_4	1	Excluded from the vulnerability index

Espaço reservado para fatores de vulnerabilidade adicionais

De salientar que os fatores de vulnerabilidade adicionais não são incluídos por defeito no cálculo do índice

Como adicionar um fator de vulnerabilidade adicional no cálculo do índice? (2)

Âmbito: gestão do fator de vulnerabilidade

- A título de exemplo, acrescenta-se manualmente um tipo de fator de vulnerabilidade adicional específico do país «Porto(s) com mercado de peixe» e a definição correspondente do indicador mensurável

Vulnerability factors	Measurable indicators	Variable names	Indicator weight	Selection of factors in the vulnerability index
Unimproved water	NCP unit with more than 30% of the population using unimproved water facility type (calculated as sum of % of population with unimproved service level and % of population using surface water) OR more than 15% of the population using surface water	VF_12_unimprov_water	1	Included in the vulnerability index
Unimproved sanitation	NCP unit with more than 50% of the population using unimproved sanitation facility type (calculated as % of population with unimproved sanitation service level and % of population practicing open defecation) OR more than 30% of the population practicing open defecation	VF_13_unimprov_sanitat	1	Included in the vulnerability index
Limited access to hygiene	NCP unit with more than 50% of the population with no handwashing facility on premises	VF_14_limited_hygien	1	Included in the vulnerability index
Additional country-specific cholera vulnerability factor (1)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_15_add_factor_1	1	Excluded from the vulnerability index
Additional country-specific cholera vulnerability factor (2)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_16_add_factor_2	1	Excluded from the vulnerability index
Additional country-specific cholera vulnerability factor (3)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_17_add_factor_3	1	Excluded from the vulnerability index
Additional country-specific cholera vulnerability factor (4)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_18_add_factor_4	1	Excluded from the vulnerability index



Vulnerability factors	Measurable indicators	Variable names	Indicator weight
Unimproved water	NCP unit with more than 30% of the population using unimproved water facility type (calculated as sum of % of population with unimproved service level and % of population using surface water) OR more than 15% of the population using surface water	VF_12_unimprov_water	1
Unimproved sanitation	NCP unit with more than 50% of the population using unimproved sanitation facility type (calculated as % of population with unimproved sanitation service level and % of population practicing open defecation) OR more than 30% of the population practicing open defecation	VF_13_unimprov_sanitat	1
Limited access to hygiene	NCP unit with more than 50% of the population with no handwashing facility on premises	VF_14_limited_hygien	1
Harbor(s) with fish market	NCP unit with harbor(s) with traditionnal fish market	VF_15_add_factor_1	1
Additional country-specific cholera vulnerability factor (2)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_16_add_factor_2	1
Additional country-specific cholera vulnerability factor (3)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_17_add_factor_3	1
Additional country-specific cholera vulnerability factor (4)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_18_add_factor_4	1

Como adicionar um fator de vulnerabilidade adicional no cálculo do índice? (3)

Âmbito: gestão do fator de vulnerabilidade

- Por exemplo, um **peso específico de 2** pode ser definido pelo utilizador (etapa opcional)

Vulnerability factors	Measurable indicators	Variable names	Indicator weight
Unimproved water	NCP unit with more than 30% of the population using unimproved water facility type (calculated as sum of % of population with unimproved service level and % of population using surface water) OR more than 15% of the population using surface water	VF_12_unimprov_water	1
Unimproved sanitation	NCP unit with more than 50% of the population using unimproved sanitation facility type (calculated as % of population with unimproved sanitation service level and % of population practicing open defecation) OR more than 30% of the population practicing open defecation	VF_13_unimprov_sanitat	1
Limited access to hygiene	NCP unit with more than 50% of the population with no handwashing facility on premises	VF_14_limited_hygien	1
Harbor(s) with fish market	NCP unit with harbor(s) with traditionnal fish market	VF_15_add_factor_1	1
Additionalnal country-specific cholera vulnerability factor (2)	<i>To be completed if additionalnal cholera country-specific factor are selected: "NCP unit with ..."</i>	VF_16_add_factor_2	1
Additionalnal country-specific cholera vulnerability factor (3)	<i>To be completed if additionalnal cholera country-specific factor are selected: "NCP unit with ..."</i>	VF_17_add_factor_3	1
Additionalnal country-specific cholera vulnerability factor (4)	<i>To be completed if additionalnal cholera country-specific factor are selected: "NCP unit with ..."</i>	VF_18_add_factor_4	1



Vulnerability factors	Measurable indicators	Variable names	Indicator weight
Unimproved water	NCP unit with more than 30% of the population using unimproved water facility type (calculated as sum of % of population with unimproved service level and % of population using surface water) OR more than 15% of the population using surface water	VF_12_unimprov_water	1
Unimproved sanitation	NCP unit with more than 50% of the population using unimproved sanitation facility type (calculated as % of population with unimproved sanitation service level and % of population practicing open defecation) OR more than 30% of the population practicing open defecation	VF_13_unimprov_sanitat	1
Limited access to hygiene	NCP unit with more than 50% of the population with no handwashing facility on premises	VF_14_limited_hygien	1
Harbor(s) with fish market	NCP unit with harbor(s) with traditionnal fish market	VF_15_add_factor_1	2
Additionalnal country-specific cholera vulnerability factor (2)	<i>To be completed if additionalnal cholera country-specific factor are selected: "NCP unit with ..."</i>	VF_16_add_factor_2	1
Additionalnal country-specific cholera vulnerability factor (3)	<i>To be completed if additionalnal cholera country-specific factor are selected: "NCP unit with ..."</i>	VF_17_add_factor_3	1
Additionalnal country-specific cholera vulnerability factor (4)	<i>To be completed if additionalnal cholera country-specific factor are selected: "NCP unit with ..."</i>	VF_18_add_factor_4	1

Como adicionar um fator de vulnerabilidade adicional no cálculo do índice? (4)

Âmbito: gestão do fator de vulnerabilidade

- Para incluir o fator de vulnerabilidade adicional no índice, selecionar «**Incluído no índice de vulnerabilidade**» na lista suspensa
- O fator adicional é agora automaticamente incluído no cálculo do índice

Vulnerability factors	Measurable indicators	Variable names	Indicator weight	Selection of factors in the vulnerability index
Unimproved water	NCP unit with more than 30% of the population using unimproved water facility type (calculated as sum of % of population with unimproved service level and % of population using surface water) OR more than 15% of the population using surface water	VF_12_unimprov_water	1	Included in the vulnerability index
Unimproved sanitation	NCP unit with more than 50% of the population using unimproved sanitation facility type (calculated as % of population with unimproved sanitation service level and % of population practicing open defecation) OR more than 30% of the population practicing open defecation	VF_13_unimprov_sanitat	1	Included in the vulnerability index
Limited access to hygiene	NCP unit with more than 50% of the population with no handwashing facility on premises	VF_14_limited_hygien	1	Included in the vulnerability index
Harbor(s) with fish market	NCP unit with harbor(s) with traditionnal fish market	VF_15_add_factor_1	1	Excluded from the vulnerability index
Additional country-specific cholera vulnerability factor (2)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_16_add_factor_2	1	Included in the vulnerability index
Additional country-specific cholera vulnerability factor (3)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_17_add_factor_3	1	Excluded from the vulnerability index
Additional country-specific cholera vulnerability factor (4)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_18_add_factor_4	1	Excluded from the vulnerability index

Information → Data input table → Factor selection R.1| Vulnera. index calculation R.2| Vulnera. index summary R.3| Missing data overview R.4| Table PAMIs export +



Vulnerability factors	Measurable indicators	Variable names	Indicator weight	Selection of factors in the vulnerability index
Unimproved water	NCP unit with more than 30% of the population using unimproved water facility type (calculated as sum of % of population with unimproved service level and % of population using surface water) OR more than 15% of the population using surface water	VF_12_unimprov_water	1	Included in the vulnerability index
Unimproved sanitation	NCP unit with more than 50% of the population using unimproved sanitation facility type (calculated as % of population with unimproved sanitation service level and % of population practicing open defecation) OR more than 30% of the population practicing open defecation	VF_13_unimprov_sanitat	1	Included in the vulnerability index
Limited access to hygiene	NCP unit with more than 50% of the population with no handwashing facility on premises	VF_14_limited_hygien	1	Included in the vulnerability index
Harbor(s) with fish market	NCP unit with harbor(s) with traditionnal fish market	VF_15_add_factor_1	1	Included in the vulnerability index
Additional country-specific cholera vulnerability factor (2)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_16_add_factor_2	1	Excluded from the vulnerability index
Additional country-specific cholera vulnerability factor (3)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_17_add_factor_3	1	Excluded from the vulnerability index
Additional country-specific cholera vulnerability factor (4)	To be completed if additional cholera country-specific factor are selected: "NCP unit with ..."	VF_18_add_factor_4	1	Excluded from the vulnerability index

Information → Data input table → Factor selection R.1| Vulnera. index calculation R.2| Vulnera. index summary R.3| Missing data overview R.4| Table PAMIs export +

Como gerir dados em falta?

Âmbito: Gestão dos dados em falta

Como princípio geral, devem estar **disponíveis** dados sobre indicadores de vulnerabilidade **para todas as unidades geográficas do PCN** para evitar a introdução de preconceções no cálculo do índice de vulnerabilidade

Para obter mais informações, consulte « [Gestão da informação em falta](#) » na orientação

Informações em falta	Opções
Informação em falta para um indicador de vulnerabilidade mensurável para a maioria das unidades geográficas operacionais do PCN	Recomenda-se a utilização de um indicador substituto e o ajuste da definição inicial do indicador mensurável em conformidade.
Informação em falta para um indicador de vulnerabilidade ao nível da unidade geográfica operacional do PCN	É possível que os dados do indicador de vulnerabilidade só estejam disponíveis ao nível geográfico superior em comparação com o nível geográfico da unidade operacional do PCN selecionada (por exemplo, o valor do indicador de nível admin 1 está disponível, mas não existe um valor do indicador desagregado ao nível admin 2).
Informação incompleta (ou de qualidade insuficiente) sobre um indicador de vulnerabilidade para algumas unidades geográficas operacionais do PCN.	Poderão ser consideradas diferentes opções complementares para abordar esta situação, incluindo a realização de uma sondagem <i>ad hoc</i> para recolher informação em falta ou solicitar aos especialistas que apresentem uma avaliação qualitativa do indicador correspondente para colmatar a lacuna de dados. Se as informações permanecerem parcialmente em falta, isto deve ser abordado através da avaliação qualitativa da presença/ausência do(s) fator(es) de vulnerabilidade com base na opinião dos participantes durante o workshop de validação das partes interessadas

Como resolver o erro no separador R.1? (1)

Âmbito: Remover linhas desnecessárias no cálculo do índice de prioridade (passo 7.2)

- Ao arrastar fórmulas para preencher a tabela de dados de R.1 | **Cálculo do índice de vulnerabilidade** até que todas as unidades geográficas operacionais do PCN do conjunto de dados de entrada sejam incluídas,
- o utilizador pode alargar a seleção sobre o intervalo de dados de entrada contido na «-> Tabela de inserção de dados»

	unique_id	admin_1	admin_2	pop	VF_01_chol_cblk	VF_02_chol_lmport	VF_03_chol_primity	VF_04_mov_pathw	VF_05_pop_gathering	VF_06_overcrowded_set	VF_07_high_risk_bop	VF_08_hard_to_acc_risk_bop	VF_09_ovc	VF_10_climate_event	VF_11_comp_humant_emerg	VF_12_unimprov_water	VF_13_unimprov_sanitat	VF_14_limited_hygien	VF_15_add_factor_1	VF_16_add_factor_2	VF_17_add_factor_3	VF_18_add_factor_4	Number of missing values	priority_index
1																								
2	id_005	admin_1_01	admin_2_005	64393	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	0	0	

	unique	admin_1	admin_2	pop	VF_01_ch	VF_02_ch	VF_03_ch	VF_04_mc	VF_05_pop_gath	VF_06_ow	VF_07_high_ris	VF_08_ha	VF_09_ovc	VF_10_clir	VF_11_col	VF_12_un	VF_13_un	VF_14_lim	VF_15_ad	VF_16_add_fi	VF_17_add_fi	VF_18_add_fi	Numt	Priority_index	
91	id_281	admin_1_17	admin_2_281	3E+05	Yes	No	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes	No	Yes	No	Not_included	Not_included	Not_included	0	Initial PAMI	
92	id_282	admin_1_17	admin_2_282	4E+05	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	No	No	Yes	No	Not_included	Not_included	Not_included	0	Initial PAMI		
93	id_284	admin_1_17	admin_2_284	2E+05	No	Yes	No	No	Yes	No	Yes	No	No	No	Yes	No	No	No	No	Not_included	Not_included	Not_included	0	4	
94	id_292	admin_1_18	admin_2_292	1E+05	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	0	1	
95	id_300	admin_1_18	admin_2_300	2E+05	No	No	No	No	No	No	No	No	No	No	No	Yes	Yes	Yes	No	Not_included	Not_included	Not_included	0	3	
96	id_302	admin_1_18	admin_2_302	91815	No	No	No	No	No	Yes	No	No	No	Yes	No	No	No	No	No	Not_included	Not_included	Not_included	0	2	
97	id_304	admin_1_18	admin_2_304	2E+05	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	0	1	
98	id_305	admin_1_18	admin_2_305	2E+05	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	0	0	
99	id_306	admin_1_18	admin_2_306	1E+05	No	Yes	No	Yes	No	No	No	No	No	No	No	Yes	No	Yes	No	Not_included	Not_included	Not_included	0	3	
100	id_307	admin_1_18	admin_2_307	1E+05	No	No	No	No	Missing_value	Yes	Missing_value	No	Yes	No	No	Yes	No	No	No	Not_included	Not_included	Not_included	0	2	
101	id_102	admin_1_07	admin_2_308	3E+05	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	Not_included	Not_included	Not_included	0	1	
102	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	#REF!
103	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	#REF!
104	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	#REF!
105	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	#REF!
106	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	#REF!
107	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	#REF!
108																									
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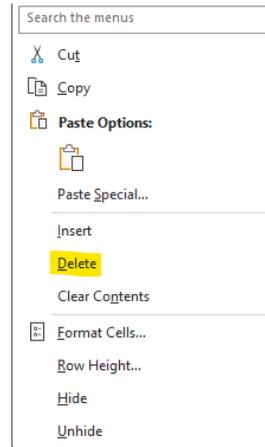
Com o conjunto de dados de formação usado no exemplo acima, corresponde aos números de linha > 101 contendo mensagens de erros nas células correspondentes («#REF!»).

Como resolver o erro no separador R.1? (2)

Âmbito: Remover linhas desnecessárias no cálculo do índice de prioridade (passo 7.2)

Para redimensionar a tabela de dados e selecionar apenas o intervalo do conjunto de dados de entrada e para remover estas linhas desnecessárias, seguir estes passos:

- Selecionar as linhas com valores «#REF!»
- Carregar com o botão direito do rato e selecionar «Eliminar» no menu
- A seleção da tabela de dados será redimensionada automaticamente
- Atualizar sempre a «tabela de resumo do índice de prioridade» após alterações no intervalo de seleção de dados utilizando **CTRL + Alt + F5**



File	Home	Insert	Page Layout	Formulas	Data	Review	View	Automate	Help	Acrobat	Power Pivot	Table Design												Num	Priority	index										
88	id_260	admin_1_15	admin_2_260	4E+05	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	0	2		
89	id_265	admin_1_15	admin_2_265	2E+05	No	Yes	No	No	No	No	No	No	No	No	No	Yes	Yes	No	Not_included	Not_included	Not_included	0	5													
90	id_277	admin_1_15	admin_2_277	2E+05	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Not_included	Not_included	Not_included	0	0					
91	id_281	admin_1_17	admin_2_281	3E+05	Yes	No	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	No	No	No	Not_included	Not_included	Not_included	0	0					
92	id_282	admin_1_17	admin_2_282	4E+05	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes	No	No	No	Yes	No	No	Yes	No	No	Yes	No	Not_included	Not_included	Not_included	0	0					
93	id_284	admin_1_17	admin_2_284	2E+05	No	Yes	No	No	Yes	No	Yes	No	No	No	Yes	No	No	Not_included	Not_included	Not_included	0	0														
94	id_292	admin_1_18	admin_2_292	1E+05	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	0	0					
95	id_300	admin_1_18	admin_2_300	2E+05	No	No	No	No	No	No	No	No	No	No	No	Yes	No	Not_included	Not_included	Not_included	0	0														
96	id_302	admin_1_18	admin_2_302	91815	No	No	No	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	0	0					
97	id_304	admin_1_18	admin_2_304	2E+05	No	No	No	No	No	No	No	No	No	No	Yes	No	No	Not_included	Not_included	Not_included	0	0														
98	id_305	admin_1_18	admin_2_305	2E+05	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	0	0					
99	id_306	admin_1_18	admin_2_306	1E+05	No	Yes	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	Not_included	Not_included	Not_included	0	0					
100	id_307	admin_1_18	admin_2_307	1E+05	No	No	No	No	Missing_value	Yes	Missing_value	No	Yes	No	No	No	No	No	Yes	No	No	No	No	No	Yes	No	No	Not_included	Not_included	Not_included	0	2				
101	id_102	admin_1_07	admin_2_308	3E+05	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Yes	No	No	No	No	No	Not_included	Not_included	Not_included	0	0					
102	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	0		
103	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	0	
104	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	0	
105	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	0	
106	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	0	0	
107																																			0	0

Information Data input table Factor selection **R.1| Vulnura. index calculation** R.2| Vulnura. index summary R.3| Missing data overview R.4| Table PAMIs export



File	Home	Insert	Page Layout	Formulas	Data	Review	View	Automate	Help	Acrobat	Power Pivot												Num	Priority	index											
88	id_260	admin_1_15	admin_2_260	4E+05	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	0	2		
89	id_265	admin_1_15	admin_2_265	2E+05	No	Yes	No	No	No	No	No	No	No	No	No	No	Yes	Yes	No	Not_included	Not_included	Not_included	0	0												
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91	id_281	admin_1_17	admin_2_281	3E+05	Yes	No	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes	No	Yes	No	Yes	No	Yes	No	No	No	Not_included	Not_included	Not_included	0	0					
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94	id_292	admin_1_18	admin_2_292	1E+05	No	No	No	Yes	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	No	Not_included	Not_included	Not_included	0	0					
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102																																		0	0	
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104																																			0	0

Information Data input table Factor selection **R.1| Vulnura. index calculation** R.2| Vulnura. index summary R.3| Missing data overview R.4| Table PAMIs export

Contacto

As perguntas e os pedidos de assistência técnica para identificação de APIM podem ser enviados para gtfccsecretariat@who.int