1. Objects

- 1. COMUNICACAO
- DADOS 2.
- DATAS 3.
- **FUNCAO**
- **FUNCIONÁRIO**
- **MARCARTESTE**
- MARCARTESTE FD
- 10. MORADA
- 11. PACIENTE
- 12. TESTE

Design Name covid2

Version Date 12.07.2021 07:29:57

Version Comment

Model Name Relational_1

COMUNICACAO Table Name

Functional Name COMUNICACAO

Abbreviation

Classification Type Name

Object Type Name

MV Prebuilt

MV Query

Number Of Columns

Number Of Rows Min.

Number Of Rows Max. 9999999

Expected Number Of Rows 0

Expected Growth

Growth Interval Year

Columns

Report

No	Column Name PI Formula Se		PK FK M Data Type DT Domain Name Security Abbreviation kind (Default
		Value)	•
1 Telemovel	Y NUMERIC (9)	LT	
No		Column Name Formula	PK FK M Data Type DT Domain Name Security Abbreviation kind (Default
		Value)	(2000)
2 Email VARCHAR (50) LT			
3 Url_Webpage VARCHAR (120) LT			

- 4 PACIENTE_IDPaciente F Y NUMERIC (12)
- 5 FUNCIONÁRIO_IDFuncionario F Y NUMERIC (12) LT

Indexes

Index Name	State Functional Spatial Expression	e Functional Spatial Expression Column Name ^{Sort}					
			Order COMUNICACAO_Telemovel_UN				
UK Telemovel ASC							
COMUNICACAO_Email_UN	UK	Email	ASC				
COMUNICACAO_Url_Webpage_UN	UK	Url_Webpage	ASC				
Foreign Keys (referring to)							

Name	Refering To	Mandatory	Transferable	In	Columns	Referred	Delete
				Arc		Columns	Rule
COMUNICACAO_PACIENTE_FK	PACIENTE	Υ	Υ		PACIENTE_IDPaciente	IDPaciente	
COMUNICACAO_FUNCIONÁRIO_FK	FUNCIONÁRIO Y	•	Υ		FUNCIONÁRIO_IDFuncionarionarionarionarionarionarionarionar	o IDFuncionario	

Table Name **DADOS Functional Name DADOS** Abbreviation Classification Type Name Object Type Name **MV** Prebuilt **MV** Query

Number Of Columns	5
Number Of Rows Min.	0
Number Of Rows Max.	9999999
Expected Number Of Rows	0
Expected Growth	0
Growth Interval	Year
Columns	

No		PK FK M Data Type DT Domain Name
		Security Abbreviation kind (Default
	Value)	

- 1 Nome Y VARCHAR (90) LT
- 2 Genero CHAR (1) LT
- 3 Data_Nascimento Y Date LT
- 4 PACIENTE_IDPaciente F Y NUMERIC (12) LT
- 5 FUNCIONÁRIO_IDFuncionario F Y NUMERIC (12) LT

Foreign Keys (referring to)

Name Refering To Mandatory Transferal		ndatory Transferable	In	In Columns		Referred	Delete	
				Arc			Columns	Rule
DADOS_PACIENTE_FK	PACIENTE	Υ	Υ		PACIENTE_IDPacien	te	IDPaciente	
DADOS_FUNCIONÁRIO_	FK FUNCIONÁRIO	Υ	Υ		FUNCIONÁRIO_IDFu	ıncionario	IDFuncionario	

Table Name DATAS
Functional Name DATAS

Abbreviation

Classification Type Name

MV Query							
Number Of Columns Number Of Rows Min. Number Of Rows Max. Expected Number Of Row Expected Growth Growth Interval	4 0 9999999 ws 0 0 Year						
•	PK FK M Data Type mestamp JMERIC (20) te F Y NUMERIC (12) P Y NUMERIC - AI - II	kind (Default Value) LT LT LT	Formula Secu	rity Abbreviation			
	nctional Spatial Expression AS_ID ASC	Column Name Orde PACIENTE_IDPaciente ASC					
Name Refering To Mandatory Transferable In Arc Columns Referred Columns Delete Rule DATAS_PACIENTE_FK PACIENTE Y Y PACIENTE_IDPaciente IDPaciente Foreign Keys (referred from)							
Name MARCARTESTE_DATAS_I PACIENTE_DATAS_FK Relation_9_DATAS_FK Table Name		atory Transferable In Arc Y Y Y	Columns DATAS_DATAS_I DATAS_DATAS_I DATAS_DATAS_I	D DATAS_ID			
. 3510 1141110							

Object Type Name

MV Prebuilt

Foreign Keys (referred from) Name FUNCIONÁRIO_FUNCAO_	_	Transferable In	Arc Columns Referred Columns Delete Rule
Foreign Keys (referred from)			
FUNCAO_FUNCIONÁRIO	_FK FUNCIONÁRIO Y Y IDFun	cionario	
Name Refe	ring To Mandatory Transferab	le In Arc Columns	Referred Columns Delete Rule
FUNCAOIDX UN Foreign Keys (referring to)	–	JNCIONÁRIO_IDFur	ncionario ASC
FUNCAO_PK PK Funca	ao Id ASC		Order
Index Name State Fun	ctional Spatial Expression	Column Nam	
1 Funcao_Id P 2 Actividade Y VAI 3 FUNCIONÁRIO_IDFui	Y NUMERIC (6) LT RCHAR (60) LT ncionario Y NUMERIC (12) LT	•	
No		Column Name Formula Value)	PK FK M Data Type DT Domain Name Security Abbreviation kind (Default
Growth Interval	Year		
Expected Growth	0		
Expected Number Of Rov	vs 0		
Number Of Rows Max.	999999		
Number Of Rows Min.	0		
MV Query Number Of Columns	3		
MV Prebuilt			
Object Type Name			
Classification Type Name			
Abbreviation			
Functional Name	FUNCAO		

Table Name Functional Name Abbreviation Classification Type Name Object Type Name MV Prebuilt MV Query	FUNCIONÁRIO FUNCIONÁRIO	
Number Of Columns Number Of Rows Min. Number Of Rows Max. Expected Number Of Row Expected Growth Growth Interval Columns	7 0 9999999 ws 0 0 Year	
No		Column Name PK FK M Data Type DT Domain Name Formula Security Abbreviation kind (Default Value)
 IDFuncionario P Nome Y VARCHAR Sexo CHAR (1) Data_Nascimento FUNCAO_Funcao_Id 	LT Y Date LT	
No		Column Name PK FK M Data Type Domain Name Formula Security Abbreviation kind (Default Value)
	JMERIC (10) LT b F Y NUMERIC LT	
Index Name St	ate Functional Spatial E	Expression Column Name Sort Order FUNCIONÁRIO_PK
PK IDFunciona FUNCIONÁRIOIDX UN Foreign Keys (referring to)		FUNCAO_Funcao_Id ASC

Name	Refering To	Refering To Mandatory Transferable		In	Columns	Referred	Delete
				Arc		Columns	Rule
FUNCIONÁRIO_LABORATORIO_	_FK LABORATORIO \	(Υ		LABORATORIO_IDLab IDL	.ab	
funcionário_funcao_fk	FUNCAO	Υ	Υ		Fur	ncao_Id	

Foreign Keys (referred from)

Name	Referred Fron	n Mandatory	Transferable	In Columns	Referred	Delete
				Arc	Columns	Rule
COMUNICACAO_FUNCIONÁRIO_FK	COMUNICACAO	Υ	Υ	FUNCIONÁRIO_IDFuncionario	IDFuncionario	
DADOS_FUNCIONÁRIO_FK	DADOS	Υ	Υ	FUNCIONÁRIO_IDFuncionario	IDFuncionario	
FUNCAO_FUNCIONÁRIO_FK	FUNCAO	Υ	Υ		IDFuncionario)
MARCARTESTE_FL_FUNCIONÁRIO_FK	MARCARTESTE_FL	Υ	Υ	FUNCIONÁRIO_N_BilheteId	IDFuncionario)
MORADA_FUNCIONÁRIO_FK	MORADA	Υ	Υ	FUNCIONÁRIO_IDFuncionario	IDFuncionario	
PACIENTE_FUNCIONÁRIO_FK	PACIENTE	Υ	Υ	FUNCIONÁRIO_IDFuncionario	IDFuncionario	
Relation_9_FUNCIONÁRIO_FK	MARCARTESTE_F	Υ	Υ	FUNCIONÁRIO_N_BilheteId	IDFuncionario)
TESTE FUNCIONÁRIO FK	TESTE	Υ	Υ	FUNCIONÁRIO IDFuncionario	IDFuncionario	

Table Name LABORATORIO Functional Name LABORATORIO

Abbreviation

Classification Type Name

Object Type Name

MV Prebuilt

MV Query

Number Of Columns 4

Number Of Rows Min. 0

Number Of Rows Max. 9999999

Expected Number Of Rows 0

Expected Growth 0

Growth Interval Year

Columns

DT Domain Name Formula No Column Name PK FK M **Security Abbreviation kind (Default Value)** Y NUMERIC LT 1 IDLab Ρ Nome Y VARCHAR (90) LT Telefone NUMERIC (9)LT Contribuinte Y NUMERIC (20) LT Indexes **State Functional Spatial Expression Column Name Index Name Order** LABORATORIO PK PK **IDLab** ASC Foreign Keys (referred from) Name Referred From Mandatory Transferable In **Columns Referred Delete Arc Columns** Rule **FUNCIONÁRIO** FUNCIONÁRIO LABORATORIO FK LABORATORIO IDLab **IDLab** Υ MARCARTESTE FL LABORATORIO FK MARCARTESTE FL Y LABORATORIO Contribuinte IDLab Υ MARCARTESTE_LABORATORIO_FK **MARCARTESTE** LABORATORIO_Contribuinte IDLab **Table Name MARCARTESTE Functional Name** Abbreviation Classification Type Name Object Type Name **MV** Prebuilt **MV** Query **Number Of Columns** Number Of Rows Min. Number Of Rows Max. 999999 Expected Number Of Rows 0 **Expected Growth Growth Interval** Year

No Column Name PK FK M Data Type DT Domain Name Formula Security Abbreviation kind (Default Value)

1 DATAS_DATAS_ID P F Y NUMERIC LT

2 LABORATORIO_Contribuinte P F Y NUMERIC (20) LT

Indexes

Index Name State Functional Spatial Expression Column Name Sort

Order MARCARTESTE PK

PK DATAS_DATAS_ID ASC

LABORATORIO Contribuinte ASC

Foreign Keys (referring to)

Name	Refering To	Mandatory	Transferabl	e ^{In}	Columns	Referred	Delete
				Arc		Columns	Rule
MARCARTESTE_LABORATORIO_I	FK LABORATORIO	Υ	Υ		LABORATORIO_Contribuin	te IDLab	
MARCARTESTE_DATAS_FK	DATAS	Υ	Y	′	DATAS_DATAS_ID	DATAS_ID	

Table Name MARCARTESTE FD

Functional Name

Abbreviation

Classification Type Name

Object Type Name

MV Prebuilt

MV Query

Number Of Columns 2

Number Of Rows Min. (

Number Of Rows Max. 9999999

Expected Number Of Rows 0

Expected Growth

Growth Interval Year

Columns

No		Column Name Formula		K FK M Data Type	DT Domain Name	
1 FUNCIONÁRIO_N_Bilho 2 DATAS_DATAS_ID Indexes	eteId P F Y NUMER P F Y NUMERIC LT	IC (12) LT	ecurit	y Abbreviation kind	(Default Value)	
	tional Spatial Expression	Column Na	me	Sort Order		
Relation_9_PK PK FUNCION Foreign Keys (referring to)	ONARIO_N_BIINETEIA ASC	DATAS_DATAS_ID)	ASC		
Name	Refering To Mandate	ory Transferable	In	Columns	Referred	Delete Rule
Relation_9_DATAS_FK Relation_9_FUNCIONÁRIO	DATAS Y)_FK FUNCIONÁRIO Y	Y Y	Arc	DATAS_DATAS_ID FUNCIONÁRIO_N_Bilh	Columns DATAS_ID neteId IDFuncionario	Kaic
Table Name Functional Name Abbreviation Classification Type Name Object Type Name MV Prebuilt MV Query	MARCARTESTE_FL					

Number Of Columns Number Of Rows Min. Number Of Rows Max.

Expected Growth Growth Interval

Columns

Expected Number Of Rows 0

9999999

Year

No	Column Nan	ne PK FK M Data Type	DT Domain Name	
	Formula	Security Abbreviation kind	(Default Value)	

1 FUNCIONÁRIO_N_BilheteId P Y NUMERIC (12) LT 2 LABORATORIO_Contribuinte P Y NUMERIC (20) LT

Indexes

Sort **Index Name State Functional Spatial Expression Column Name**

Order MARCARTESTE_FL_PK

FUNCIONÁRIO_N_BilheteId ASC PK

LABORATORIO Contribuinte ASC

Foreign Keys (referring to)

Name	Refering To Mand	latory Transferable	In	Columns	Referred	Delete
			Arc		Columns	Rule
MARCARTESTE_FL_LABORATORIO_FK LA	BORATORIO Y	Υ	LABO	ORATORIO_Contribuinte	: IDLab	
MARCARTESTE_FL_FUNCIONÁRIO_FK FU	ncionário y	Υ	FUN	ICIONÁRIO_N_BilheteId	IDFuncionario	

Table Name MORADA Functional Name MORADA Abbreviation Classification Type Name

Object Type Name

MV Prebuilt

MV Query

Number Of Columns 6

Number Of Rows Min.

9999999

Expected Number Of Rows 0

Number Of Rows Max.

Expected Growth

Growth Interval Year

Columns

No		Column Nam		PK FK M	Data Type	DT Domain Name	
		Formul	a	Security A	bbreviation k	ind (Default	
1 Rua VARCHAR (2 Numero Y NUMERIO 3 Codigo_Postal Y NU 4 Cidade Y VARCHAR 5 PACIENTE_IDPacient 6 FUNCIONÁRIO_IDFu Foreign Keys (referring to)	(10) LT MERIC (12) LT (90) LT e F Y NUMERIC (12) LT	Value) (12) LT					
Name	Refering To Mandatory	Transferable	In		Columns	Referred	Delete
MORADA_FUNCIONÁRIC MORADA_PACIENTE_FK		Y Y	Arc	FUNCION	IÁRIO_IDFuncio E_IDPaciente	Columns onario IDFuncionario IDPaciente	Rule
Table Name	PACIENTE						
Functional Name Abbreviation Classification Type Name Object Type Name MV Prebuilt MV Query	PACIENTE						
Number Of Columns	7						
Number Of Rows Min.	0						
Number Of Rows Max.	9999999						
Expected Number Of Ro	ws 0						

IDPaciente

DATAS_DATAS_ID ASC

ASC

Expected Growth

Growth Interval

PACIENTE_PK

PACIENTE__IDX UN

Columns

0

PK

Year

No		Column Name Formula	PK FK M		Domain Name	
		Value)	Security I	Abbreviation kind	l (Default	
1 IDPaciente P 2 Nome Y VARCHAR 3 Sexo CHAR (1) 4 Data_Nascimento 5 DATAS_DATAS_ID 6 N_BilheteID Y NU 7 FUNCIONÁRIO_IDFu Indexes	LT Y Date LT F Y NUMERIC LT JMERIC (10) LT	IERIC (12) LT				
Index Name State Fu	nctional Spatial Expressio	n Column Name	Sort			
Fundam Kong (official to b.)			Order			
Foreign Keys (referring to) Name	Refering To Manda	atory Transferable	In	Columns	Referred	Delete
PACIENTE_FUNCIONÁRI	o FK funcionário y	Y	Arc FUNCIO	ONÁRIO_IDFunciona	Columns ario IDFuncionario	Rule
PACIENTE_DATAS_FK Foreign Keys (referred from)	DATAS Y	Υ		_DATAS_ID	DATAS_ID	
Name Ref	erred From Mandatory Tr	ansferable In Arc Col	umns Referr	ed Columns Dele	te Rule	
COMUNICACAO_PACIEN	ITE_FK COMUNICACAO Y Y F	PACIENTE_IDPaciente ID	Paciente			
DADOS_PACIENTE_FK	DADOS Y	Υ	PACI	ENTE_IDPaciente I	DPaciente	
DATAS_PACIENTE_FK	DATAS Y	Υ	PACI	ENTE_IDPaciente I	DPaciente	
MORADA_PACIENTE_FK	MORADA Y	Υ	PACI	ENTE_IDPaciente I	DPaciente	
TESTE_PACIENTE_FK	TESTE Y	Y	PACI	ENTE_IDPaciente I	DPaciente	
Table Name	TESTE					
Functional Name Abbreviation	TESTE					

```
Object Type Name
MV Prebuilt
MV Query
Number
         Of
              Columns 6
Number Of Rows Min.
Number Of Rows Max.
                        999999
Expected Number Of Rows 0
Expected Growth
Growth Interval
                        Year
Columns
                                                                                Data Type DT Domain Name
                                                    Column Name
                                                                    PK FK M
No
                                                         Formula
                                                                     Security Abbreviation kind
                                                                                                 (Default
                                                    Value)
                 Y NUMERIC (10) LT
1 Teste Id P
  Tipo_de_Teste Y VARCHAR (50) LT
  FUNCIONÁRIO IDFuncionario
                                        Y NUMERIC (12) LT
   PACIENTE IDPaciente F
                            Y NUMERIC (12) LT
                                                                                Data Type DT Domain Name
                                                    Column Name
                                                                    PK FK M
No
                                                         Formula
                                                                     Security Abbreviation kind
                                                                                                 (Default
                                                    Value)
           Y Date
                      LT
   Data
   Hora
           Y Time
                      LT
Indexes
Index Name State Functional Spatial Expression Column Name
                                                              Order
TESTE_PK
           PK
                            ASC
                 Teste_Id
Foreign Keys (referring to)
                                                               In
                         Refering To Mandatory Transferable
                                                                             Columns
                                                                                                Referred Columns Delete Rule
         Name
```

Classification Type Name

Arc

TESTE_FUNCIONÁRIO_FK FUNCIONÁRIO Y Y
TESTE_PACIENTE_FK PACIENTE Y Y

FUNCIONÁRIO_IDFuncionario IDFuncionario PACIENTE_IDPaciente IDPaciente