		Infectious rate: each	infected person car	spread the virus to about (1 to	2 others) on average			
Disease								
PK			96				Virus/Bact	
IDdisease	NameDisease	Infectious Rate	Mortality Rate	Incubation Period (days)	Development Period (days)	Convalescence Period (days)	Cause	Comment Section
1	Flu	1,3	0,15%	2	8,5	10	Virus (1)	Influenza
2	Strep Throat	2,5	0,05%	3,5	3	14	Bacteria(2)	Streptococcus
3	AIDS	0,00005	50%	14	61	4380	Virus (1)	HIV
4	COVID-19	2,5	1,50%	5	10	14	Virus (1)	SARS-CoV-2 wrus
5	Salmonella	4	0,05%	3	5	12	Bacteria(2)	Sallmonella. Food poisoning
6	Plague	2	50%	4	4	14	Bacteria(2)	Yersinia pestis
7	Rabies	1	99,50%	61	1	2	Virus (1)	Lyssavirus
8	Tetanus	NULL	15%	10	5	18	Bacteria(2)	Clostridium tetani
9	Chickenpox	9	0,70%	15	1,5	13	Virus (1)	Zoster Virus
10	Tuberculosis	5	10%	28	62	210	Bacteria(2)	TB
11	Gastroenteritis	2,5	0,60%	3	5	7	Virus (1)	Norovirus
12	Ébola	2	75%	10	1,5	21	Virus (1)	Ebolavirus
13	Mononucleosis	3,5	8%	35	12	21	Virus(1)	Epstein-Barr

Symptom		
PK		Mild/Severe
IDsymptom	NameSymptom	Pain Management
1	Sore Throat	Mild (1)
2	Inflammation	Mild (1)
3	Diarrhea	Mild (1)
4	Fever	Mild (1)
5	Stomach ache	Mild (1)
6	Nausea	Mild (1)
7	Vomiting	Mild (1)
8	Skin Rashes/ Other cutain reactions	Mild (1)
9	Jaundice	Mild (1)
10	Chills	Mild (1)
11	Headache	Mild (1)
12	Stuffy nose	Mild (1)
13	Oxygen	Mild (1)
14	Seizures	Mild (1)
15	Cough	Mild (1)
16	Sore Throat	Severe (2)
17	Inflammation	Severe (2)
18	Diarrhea	Severe (2)
19	Fever	Severe (2)
20	Stomach ache	Severe (2)
21	Nausea	Severe (2)
22	Vomiting	Severe (2)
23	Skin Rashes/ Other cutain reactions	Severe (2)
24	Jaundice	Severe (2)
25	Chills	Severe (2)
26	Headache	Severe (2)
27	Stuffy nose	Severe (2)
28	Oxygen	Severe (2)
29	Seizures	Severe (2)
30	Cough	Severe (2)

Virtual Population					
				Inserted by researcher	
Initial Population	% Infected	% Healthy	% Immune	Immunity Period	Disease_ID
9	44,44%	33,34%	22,22%	176	1
7	42,86%	28,57%	28,57%	93	4
6	50%	33,33%	16,67%	98	6
6	16,67%	50%	33,33%	130	13

Treatment		
IDtreatment	NameTreatment	Diagnosis_ID
1	Cefuroxima	3
2	Peniciline	3
3	Isoniazid	1
4	Entecavir	7
5	Amoxicillin	3
6	Metronidazole	4
7	Rifapentine	1
8	Azithromycin	10
9	Acyclovir	8
10	Ibuprofen	6
		_

Virtual Person				
	ill/ healthy/ immune/ deceased	Disease Period Countdown		
IDvirtual_person	State	Disease Countdown	Immunity Countdown	Disease_ID
1	itt	20,5	0	1
2	healthy	0	0	1
3	immune	0	176	1
4	healthy	0	0	1
5	immune	0	176	1
6	itt	20,5	0	1
7	itt	20,5	0	1
8	itt	20,5	0	1
9	healthy	0	0	1
10	itt	29	0	4
11	healthy	0	0	4
12	immune	0	93	4
13	healthy	0	0	4
14	immune	0	93	4
15	itt	29	0	4
16	itt	29	0	4
17	itt	22	0	6
18	itt	22	0	6
19	healthy	0	0	6
20	itt	22	0	6
21	healthy	0	0	6
22	immune	0	98	6
23	healthy	0	0	13
24	itt	98	0	13
25	healthy	0	0	13
26	immune	0	130	13
27	healthy	0	0	13

Diagnosis				
IDdiagnosis	NameDiagnosis	Date	Disease_ID	MedicalRecord_ID
1	Tuberculosis	22/06/2000	10	4
2	Miopericarditis	08/09/2023	13	7
3	Strep Throat	23/03/2024	2	3
4	Tetanus	09/08/2012	8	3
5	Flu	01/02/2024	1	1
6	COVID-19	06/05/2020	4	2
7	Rabies	19/10/2021	7	8
8	Chickenpox	17/05/2007	9	3
9	Gastroenteritis	13/03/2024	11	6
10	Colmonollo	26/11/2013	5	5

Disease has Treatment	
Disease_ID	Treatment_ID
2	1
2	2
10	3
7	4
2	5
8	6
10	7
5	8
9	9
4	10
13	11

Medical Record		
IDmedical_record	Patient_ID	
1	2	
2	3	
3	1	
4	5	
5	4	
6	6	
7	7	
8	8	

Patient		
IDpatient	NamePatient	DoB
1	Amalia Rial Plaza	03/07/2004
2	Paula Rial Plaza	25/07/2001
3	Victoria Rial Plaza	22/12/1999
4	Sara Rial Villanueva	06/06/1991
5	Rodrigo Rial Horcajo	24/08/1962
6	Aranzazu Plaza Diaz	17/03/1972
7	Rodrigo Fernández Sanchez	14/05/2004
8	Rubén Garcia Pardo	19/10/2003

FK->	Symptoms
Disease_ID 1	Symptom_ID 4
1	19 10
1	25
1	15 30 1
1	16
1	27
1	12 11
1	26 3
1	18 7
1	22
2	1 16
2	16 4 19 10
2 2 2	10 25
2	5
2 2 2	20 11
2	26 6
2 2 2 2	6 7 21
2	22
3 3 3	4 19
3	10 25
3	25 8 23
3	1
3 4	16 4
4	19 10
4	25
4	11 26
4	1 16
4	12
4	27 6 7 21
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	7 21
4	22 3
4	18 3
5 5 5	18 4
5	19
5 5	5 20
5	6
5	6 7 21 22
5 5	11
5	26 4
6	19
6	11 26
6	10 25
6	8 23
6	15
6 7 7 7 7 7 7 7 7 7	30 11
7	26 14
7	29 6
7	6 7 21 22 4 19
7	22
7	4 19
8	4 19
8	10
8	25 11
8	26 14
8	29
9	19
9	11 26
9 9	8 23
10	15 30
10	10
10 10	25 4
10 11	19 3
11 11	18
11	7
11 11	21 22
11 11	5 20
11 11	4
11	10
11 11	25 11
11 12	26 1
12	16
	4 19
12 12	5
12 12 12	
12 12 12 12 12	20 3
12 12 12 12 12 12 12	3 18 7
12 12 12 12 12 12 12	3 18
12 12 12 12 12 12 12 12 12 12 13	3 18 7 22 1 16
12 12 12 12 12 12 12 12 12 12 13 13 13	3 18 7 22 1 16 4 19
12 12 12 12 12 12 12 12 12 12 13 13	3 18 7 22 1 16 4