

Supplementary Figures

Supplementary Figure 1. A screenshot of the Pfizer ATLAS dataset displaying the first 42 rows and 23 columns. The full dataset contains 861,351 rows of isolates and 134 columns of variables, as detailed in Supplementary Table 1. The Pfizer dataset is a third-party resource available upon request.

134 variables (columns)

Isolate ID	Study	Species	Family	Country	State	Gender	Age group	Symptoms	Source	In Out	Pain V	Phenotype	Aminikaz	Aminikaz I	Axycloxyrim	Axycloxyrim I	Amoxicillin	Amoxicillin I	Azithromycin	Azithromycin I	Cefepime	Cefepime I	Col
1000000	TEST	Pseudomonas	Non-Enterobacter	France		Male	35	0	Over Emergency R Urine	None Given	None Given	2013	8	Susceptible	<32							32	Resistant
1000001	TEST	Pseudomonas	Non-Enterobacter	France		Female	13 to 18	Emergency R Ear	None Given	None Given	None Given	2013	4	Susceptible	<32							16	Intermediate
1000002	TEST	Pseudomonas	Non-Enterobacter	France		Male	65 to 84	Emergency R Urine	None Given	None Given	None Given	2013	4	Susceptible	<32							16	Intermediate
1000003	TEST	Pseudomonas	Non-Enterobacter	France		Male	19 to 64	Medicine Ger Skin	None Given	None Given	None Given	2013	4	Susceptible	<32							8	Susceptible
1000004	TEST	Serratia marcescens	Enterobacteriaceae	France		Male	19 to 64	Medicine Gel Blood	None Given	None Given	None Given	2013	2	Susceptible	<32							<0.5	4 Susceptible
1000005	TEST	Acinetobacter baumannii	Non-Enterobacter	France		Male	19 to 64	Medicine ICL Bronchus	Impaired	None Given	None Given	2013	16	Susceptible	<32							4	Susceptible
1000006	TEST	Serratia marcescens	Enterobacteriaceae	France		Female	19 to 64	Medicine ICL Bronchus	None Given	None Given	None Given	2013	2	Susceptible	<32	32						Resistant	<0.5
1000007	TEST	Acinetobacter baumannii	Non-Enterobacter	France		Male	65 to 84	Medicine ICL Sputum	None Given	None Given	None Given	2013	64	Resistant	<32							16	Intermediate
1000008	TEST	Pseudomonas	Non-Enterobacter	France		Female	65 to 84	Emergency R Peritoneal RI	None Given	None Given	None Given	2013	4	Susceptible	<32							2	Susceptible
1000009	TEST	Pseudomonas	Non-Enterobacter	France		Female	65 to 84	Medicine ICL Peritoneal RI	None Given	None Given	None Given	2013	2	Susceptible	<32							4	Susceptible
1000010	TEST	Enterobacter cloacae	Enterobacteriaceae	France		Male	65 to 84	Emergency Ger Peritoneal RI	None Given	None Given	None Given	2013	2	Susceptible	<32							Resistant	<0.5
1000011	TEST	Pseudomonas	Non-Enterobacter	France		Female	65 to 84	Surgery Gen Bone	None Given	None Given	None Given	2013	4	Susceptible	<32							Resistant	4
1000012	TEST	Escherichia coli	Enterobacteriaceae	France		Male	65	Over Medicine Ger Urine	None Given	None Given	None Given	2013	4	Susceptible		4	Susceptible					Resistant	<32
1000013	TEST	Haemophilus influenzae	Haemophilus	France		Male	19 to 64	Medicine ICL Sputum	None Given	None Given	None Given	2013	(BL Neg)	4	0.25	Susceptible					1	Susceptible	<0.5
1000014	TEST	Haemophilus influenzae	Haemophilus	France		Female	19 to 64	Medicine Ger Sputum	None Given	None Given	None Given	2013	(BL Neg)	4	0.25	Susceptible					2	Intermediate	<0.5
1000015	TEST	Haemophilus influenzae	Haemophilus	France		Male	19 to 64	Medicine Ger Sputum	None Given	None Given	None Given	2013	(BL Neg)	2	0.5	Susceptible					0	Susceptible	<0.5
1000016	TEST	Haemophilus influenzae	Haemophilus	France		Male	19 to 64	Medicine Ger Sputum	None Given	None Given	None Given	2013	(BL Neg)	2	0.5	Susceptible					0	Susceptible	<0.5
1000017	TEST	Staphylococcus aureus	Staphylococcaceae	France		Female	65 to 84	Surgery Gen Wound	None Given	None Given	None Given	2013	MSSA		2						16		<0.5
1000018	TEST	Haemophilus influenzae	Haemophilus	France		Male	65 to 84	Medicine Ger Sputum	None Given	None Given	None Given	2013	(BL Neg)	4	0.5	Susceptible					0	Susceptible	<0.5
1000019	TEST	Haemophilus influenzae	Haemophilus	France		Female	19 to 64	Medicine ICL Bronchus	None Given	None Given	None Given	2013	(BL Neg)	4	0.5	Susceptible					0	Susceptible	<0.5
1000020	TEST	Haemophilus influenzae	Haemophilus	France		Female	19 to 64	Medicine Ger Sputum	None Given	None Given	None Given	2013	(BL Neg)	4	0.25	Susceptible					<0.5	Susceptible	<0.5
1000021	TEST	Enterobacter cloacae	Enterobacteriaceae	France		Male	19 to 64	Medicine ICL Blood	None Given	None Given	None Given	2013		<0.12	Susceptible					1	Susceptible		<0.5
1000022	TEST	Enterobacter cloacae	Enterobacteriaceae	France		Female	19 to 64	Emergency R Urine	None Given	None Given	None Given	2013		<8						>16	Resistant		
1000023	TEST	Enterobacter cloacae	Enterobacteriaceae	France		Female	65 to 84	Emergency R Urine	None Given	None Given	None Given	2013		<8						>16	Resistant		
1000024	TEST	Enterobacter cloacae	Enterobacteriaceae	France		Female	65 to 84	Nursing Hom Gastric Abdom	None Given	None Given	None Given	2013		0.15						1	Susceptible		
1000025	TEST	Enterobacter cloacae	Enterobacteriaceae	France		Female	Unknown	Pediatric Gen Urine	None Given	None Given	None Given	2013		0.06						>0.06			
1000026	TEST	Shigella flexneri	Shigelloceae	France		Female	19 to 64	Emergency R Vagina	None Given	None Given	None Given	2013		0.2						0.12	Susceptible		
1000027	TEST	Shigella flexneri	Shigelloceae	France		Female	65 to 84	Medicine ICL Lung	None Given	None Given	None Given	2013	MRSA		0.1						1		8
1000028	TEST	Shigella flexneri	Shigelloceae	France		Male	65 to 84	Medicine Ger Nose	None Given	None Given	None Given	2013	MSSA		0.25								
1000029	TEST	Shigella flexneri	Shigelloceae	France		Female	65 to 84	Emergency R Urine	None Given	None Given	None Given	2013		4	Susceptible	<32					32	2	4
1000030	TEST	Shigella flexneri	Shigelloceae	France		Female	65 to 84	Nursing Hom Urine	None Given	None Given	None Given	2013		<0.5						2	Susceptible	16	Intermediate
1000031	TEST	Klebsiella pneumoniae	Enterobacteriaceae	France		Male	65 to 84	Medicine Ger Catheters	None Given	None Given	None Given	2013	2	Susceptible	<32					Resistant	<32		<0.5
1000032	TEST	Klebsiella pneumoniae	Enterobacteriaceae	France		Female	65 to 84	Medicine Ger Wound	None Given	None Given	None Given	2013	2	Susceptible	<32					Resistant	<32		<0.5
1000033	TEST	Acinetobacter baumannii	Non-Enterobacter	France		Male	65 to 84	Medicine Ger Blood	None Given	None Given	None Given	2013	2	Susceptible	8					32			<0.5
1000034	TEST	Pseudomonas	Non-Enterobacter	France		Male	19 to 64	Medicine Ger Urine	None Given	None Given	None Given	2013	4	Susceptible	<32							32	2
1000035	TEST	Pseudomonas	Non-Enterobacter	France		Male	65 to 84	Medicine Ger Bronchus	None Given	None Given	None Given	2013	2	Susceptible	<32							32	2
1000036	TEST	Klebsiella pneumoniae	Enterobacteriaceae	France		Male	0 to 2	Pediatric ICU Sputum	None Given	None Given	None Given	2013	2	Susceptible	2	Susceptible	<32			Resistant	<32		<0.5
1000037	TEST	Shigella flexneri	Shigelloceae	France		Female	19 to 64	Nursing Hom Wound	None Given	None Given	None Given	2013		0.12						8			
1000038	TEST	Shigella flexneri	Shigelloceae	France		Female	19 to 64	Nursing Hom Wound	None Given	None Given	None Given	2013		0.12						0.12	Susceptible		
1000039	TEST	Shigella flexneri	Shigelloceae	France		Female	19 to 64	Nursing Hom Wound	None Given	None Given	None Given	2013		<0.03						<0.06			
1000040	TEST	Shigella flexneri	Shigelloceae	France		Female	19 to 64	Nursing Hom Wound	None Given	None Given	None Given	2013		<0.03						<0.06			
1000041	TEST	Shigella flexneri	Shigelloceae	France		Female	19 to 64	Nursing Hom Wound	None Given	None Given	None Given	2013		<0.03						<0.06			

Supplementary Figure 2. Screenshot of the dataset utilized for developing the GIS Interactive Dashboard Depicted in Figure 1. Highlighted in yellow are key variables from the Pfizer ATLAS dataset, including Isolate Id, Country, and Year, while longitude, latitude, and Region, added for the dashboard, are highlighted in green. The finalized dataset used in dashboard development is detailed in Supplementary Table 2.

Isolate Id	Country	Year	Longitude	Latitude	Region
139465	Argentina	2004	-58.38	-34.5	Latin America and the Caribbean
139466	Argentina	2004	-58.38	-34.5	Latin America and the Caribbean
139469	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139470	Argentina	2004	-58.38	-34.5	Latin America and the Caribbean
139471	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139472	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139473	Argentina	2004	-58.38	-34.5	Latin America and the Caribbean
139474	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139475	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139477	Argentina	2004	-58.38	-34.5	Latin America and the Caribbean
139488	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139489	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139490	Argentina	2004	-58.38	-34.5	Latin America and the Caribbean
139491	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139492	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139493	Argentina	2004	-58.38	-34.5	Latin America and the Caribbean
139494	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139495	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139496	Argentina	2004	-58.38	-34.5	Latin America and the Caribbean
139498	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139499	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139500	Argentina	2004	-58.38	-34.5	Latin America and the Caribbean
139501	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139502	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139503	Argentina	2004	-58.38	-34.5	Latin America and the Caribbean
139504	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139523	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139524	Argentina	2004	-58.38	-34.5	Latin America and the Caribbean
139525	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139526	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139528	Argentina	2004	-58.38	-34.5	Latin America and the Caribbean
139531	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean
139532	Argentina	2004	-58.38	-34.6	Latin America and the Caribbean