

Figure S1: Distribution of participating hospitals. The number of hospitals from each Spanish region is indicated.

Figure S2. Minimum-spanning trees (MST) of the cgMLST of the XDR P. aeruginosa isolates from 2017 and 2022 studies. PAO1 (ST549), PA14 (ST253) and PA7 (1195) reference strains assemblies were included in the schema seed. After the exclusion of paralogous loci and poor-quality assemblies, the cgMLST for loci presence threshold of 95% in the isolates was composed of 4487 genes, following chewBBACCA v3.1.2. instructions. For trees visualization Grape Tree program was used. Each circle represents a single ST and the size of that circle corresponds to the number of isolates ascribed to that particular ST. A. Each colour represents a different region and year. PAO1, PA14 and P7 are represented with white circles B. Each colour represents a different acquired β -lactamase.

