TABLE S1: Hospitals sorted according to MINSAL categorisations and proposed partitions using Euclidean or Pearson's correlation distances.

Code	Name	MINSAL_ORI	MINSAL_MOD	CON_EUC	CON_COR
101100	Hospital Dr. Juan Noe Crevanni (Arica)	High	High adults	1	1
102100	Hospital Dr. Ernesto Torres Galdames (Iquique)	High	High adults	1	2
103100	Hospital Dr. Leonardo Guzman (Antofagasta)	High	High adults	2	1
103101	Hospital Dr. Carlos Cisternas (Calama)	High	High adults	2	2
103102	Hospital Dr. Marcos Macuada (Tocopilla)	High	High adults	2	3
103103	Hospital 21 de Mayo (Taltal)	High	High adults	2	3
103104	Hospital de Mejillones	High	High adults	2	3
104100	Hospital San Jose del Carmen (Copiapo)	High	High adults	2	1
104101	Hospital Dr. Jeronimo Mendez Arancibia (Chanaral)	High	High adults	2	1
104102	Hospital Dr. Florencio Vargas (Diego de Almagro)	High	High adults	2	4
104103	Hospital Provincial del Huasco Monsenor Fernando Ariztia Ruiz (Vallenar)	High	High adults	3	4
104104	Hospital Dr. Manuel Magalhaes Medling (Huasco)	High	High adults	2	3
105100	Hospital San Juan de Dios (La Serena)	High	High adults	1	5
105101	Hospital San Pablo (Coquimbo)	High	High adults	2	5
105102	Hospital Dr. Antonio Tirado Lanas (Ovalle)	High	High adults	2	5
105103	Hospital Dr. Humberto Elorza Cortes (Illapel)	High	High adults	2	5
105104	Hospital de Salamanca	High	High adults	2	3
105105	Hospital San Juan de Dios (Combarbala)	High	Paediatric	2	6
105106	Hospital Dr. Jose Arrano (Andacollo)	High	Psychiatric	2	5
105107	Hospital San Juan de Dios (Vicuna)	High	High adults	2	5
105108	Hospital San Pedro (Los Vilos)	High	High adults	2	5
106100	Hospital Carlos Van Buren (Valparaiso)	High	High adults	2	1
106102	Hospital Dr. Eduardo Pereira Ramirez (Valparaiso)	High	High adults	2	1
106103	Hospital Claudio Vicuna (San Antonio)	High	High adults	2	2
106104	Hospital Del Salvador (Valparaiso)	High	High adults	2	1
106105	Hospital San Jose (Casablanca)	High	High adults	2	6
107100	Hospital Dr. Gustavo Fricke (Vina del Mar)	High	High adults	2	1
107101	Hospital San Martin (Quillota)	High	High adults	2	1
107102	Hospital de Quilpue	High	High adults	2	1
107103	Hospital Dr. Mario Sanchez Vergara (La Calera)	High	Paediatric	2	3
107104	Hospital Santo Tomas (Limache)	High	High adults	2	3
107105	Hospital San Agustin (La Ligua)	High	High adults	2	5
107106	Hospital Dr. Victor Hugo Moll (Cabildo)	High	Paediatric	2	5
107107	Hospital de Petorca	High	High adults	3	6
107108	Hospital Adriana Cousino (Quintero)	High	High adults	2	6
107109	Hospital Juana Ross de Edwards (Penablanca. Villa Alemana)	High	Paediatric	2	6
107110	Hospital Centro Geriatrico Paz de la Tarde (Limache)	High	High adults	2	2
108100	Hospital de San Camilo (San Felipe)	High	High adults	1	2
108101	Hospital San Juan de Dios (Los Andes)	High	High adults	1	1
108102	Hospital San Francisco (Llaillay)	High	High adults	2	5
108104	Hospital San Antonio (Putaendo)	High	High adults	2	5
108105	Hospital Psiquiatrico Dr. Philippe Pinel (Putaendo)	High	High adults	2	4
109100	Complejo Hospitalario San Jose (Santiago. Independencia)	High	High adults	2	1
109101	Hospital Clinico de Ninos Dr. Roberto del Rio (Santiago. Independencia)	High	High adults	2	1
109102	Instituto Psiquiatrico Dr. Jose Horwitz Barak (Santiago. Recoleta)	High	High adults	2	1
109103	Instituto Nacional del Cancer Dr. Caupolican Pardo Correa (Santiago. Recoleta)	High	High adults	2	1
109104	Hospital de Til Til	High	High adults	2	5
110100	Hospital San Juan de Dios (Santiago. Santiago)	High	High adults	2	2
110110	Instituto Traumatologico Dr. Teodoro Gebauer	High	High adults	2	2
110120	Hospital Dr. Felix Bulnes Cerda (Santiago. Quinta Normal)	High	High adults	2	2
110130	Hospital Adalberto Steeger (Talagante)	High	High adults	2	2
110140	Hospital de Penaflor	High	High adults	2	2
110150	Hospital San Jose (Melipilla)	High	High adults	2	1
110160	Hospital de Curacavi	High	High adults	2	6
111100	Hospital Clinico San Borja-Arriaran (Santiago. Santiago)	High	High adults	2	2
111101	Hospital Clinico Metropolitano El Carmen Doctor Luis Valentin Ferrada	High	High adults	2	1
111195	Hospital de Urgencia Asistencia Publica Dr. Alejandro del Rio	High	High adults	2	1
112100	Hospital Del Salvador (Santiago. Providencia)	High	High adults	2	1
112101	Hospital Dr. Luis Tisne B. (Santiago. Penalolen)	High	High adults	2	1
112102	Hospital de Ninos Dr. Luis Calvo Mackenna (Santiago. Providencia)	High	High adults	3	4

112103	Instituto Nacional de Enfermedades Respiratorias y Cirugia Toracica	High	High adults	2	1
112104	Instituto de Neurocirugia Dr. Alfonso Asenjo	High	High adults	2	2
112105	Instituto Nacional de Rehabilitacion Infantil Presidente Pedro Aguirre Cerda	Low	Low	2	1
112106	Instituto Nacional Geriatrico Presidente Eduardo Frei Montalva	Low	Low	2	1
112107	Hospital Hanga Roa (Isla De Pascua)	Low	Low	2	3
113100	Hospital Barros Luco Trudeau (Santiago. San Miguel)	Low	Low	2	1
113130	Hospital Dr. Exequiel Gonzalez Cortes (Santiago. San Miguel)	Low	Low	2	2
113150	Hospital San Luis (Buin)	Low	Low	2	1
113160	Hospital de Enfermedades Infecciosas Dr. Lucio Cordova (Santiago. San Miguel)	Low	Low	2	2
113170	Hospital Psiquiatrico El Peral (Santiago. Puente Alto)	Low	Low	2	1
113180	Hospital El Pino (Santiago. San Bernardo)	Low	Low	1	2
114101	Complejo Hospitalario Dr. Sotero del Rio (Santiago. Puente Alto)	Low	Low	2	1
114102	Hospital San Jose de Maipo	Low	Low	2	5
114103	Hospital Padre Alberto Hurtado (San Ramon)	Low	Low	2	1
114105	Hospital Clinico Metropolitano La Florida Dra. Eloisa Diaz Inzunza	Low	Low	2	1
115100	Hospital Regional de Rancagua	Low	Low	2	1
115101	Hospital Santa Filomena (Graneros)	Low	Low	2	3
115102	Hospital de Coinco	Low	Low	2	3
115103	Hospital Del Salvador (Peumo)	Low	Low	2	3
115104	Hospital Dr. Ricardo Valenzuela Saez (Rengo)	Low	Low	2	1
115105	Hospital San Vicente de Tagua-Tagua	Low	Low	2	2
115106	Hospital de Pichidegua	Low	Low	2	5
115107	Hospital San Juan de Dios (San Fernando)	Low	Low	2	2
115108	Hospital Mercedes (Chimbarongo)	Low	Low	2	3
115109	Hospital de Nancagua	Low	Low	2	5
115110	Hospital de Santa Cruz	Low	Low	2	1
115111	Hospital de Marchigue	Low	Low	2	5
115112	Hospital de Pichilemu	Low	Low	2	5
115113	Hospital de Lolol	Low	Low	2	3
115114	Hospital de Litueche	Low	Low	2	3
116100	Hospital San Juan de Dios (Curico)	Low	Low	2	2
116101	Hospital de Teno	Low	Low	2	5
116102	Hospital de Molina	Low	Low	2	3
116103	Hospital de Hualane	Low	Low	2	3
116104	Hospital de Licanten	Low	Low	2	5
116105	Hospital Dr. Cesar Garavagno Burotto (Talca)	Low	Low	2	2
116106	Hospital de Curepto	Low	Low	2	3
116107	Hospital de Constitucion	Low	Low	2	3
116108	Hospital Presidente Carlos Ibanez del Campo (Linares)	Low	Low	1	1
116109	Hospital Dr. Abel Fuentealba Lagos de San Javier	Low	Low	2	1
116110	Hospital San Jose (Parral)	Low	Low	2	4
116111	Hospital San Juan de Dios (Cauquenes)	Low	Low	2	2
116112	Hospital Dr. Benjamin Pedreros (Chanco)	Low	Low	2	5
117101	Hospital Clinico Herminda Martin (Chillan)	Low	Low	2	2
117102	Hospital de San Carlos	Low	Low	2	1
117103	Hospital Comunitario de Salud Familiar de Bulnes	Low	Low	2	5
117104	Hospital Comunitario de Salud Familiar Pedro Morales Campos (Yungay)	Low	Low	2	3
117106	Hospital Comunitario de Salud Familiar de Quirihue	Low	Low	2	5
117107	Hospital Comunitario de Salud Familiar de El Carmen	Low	Low	2	5
117108	Hospital Comunitario de Salud Familiar Dr. Eduardo Contreras Trabucco de Coelemu	Low	Low	2	5
118100	Hospital Clinico Regional Dr. Guillermo Grant Benavente (Concepcion)	Low	Low	2	1
118103	Hospital Traumatologico (Concepcion)	Low	Low	2	2
118105	Hospital San Jose (Coronel)	Low	Low	2	3
118106	Hospital de Lota	Low	Low	2	5
118107	Hospital Clorinda Avello (Santa Juana)	Low	Low	2	7
118108	Hospital San Agustin de Florida	Low	Low	2	7
119100	Hospital Las Higueras (Talcahuano)	Low	Low	2	2
119101	Hospital de Tome	Low	Low	2	7
119102	Hospital Penco - Lirquen	Low	Low	2	7
120101	Complejo Asistencial Dr. Victor Rios Ruiz (Los angeles)	Low	Low	2	7
120102	Hospital Comunitario de Mulchen	Low	Low	2	7
120103	Hospital Comunitario de Nacimiento	Low	Low	2	7
120104	Hospital Comunitario de Yumbel	Low	Low	2	7
120105	Hospital Comunitario de Laja	Low	Low	2	7
120106	Hospital Comunitario de Santa Barbara	Low	Low	2	7
120107	Hospital Comunitario Dr. Roberto Munoz Urrutia de Huepil	Low	Low	2	7
121109	Hospital Dr. Hernan Henriquez Aravena (Temuco)	Low	Low	2	7

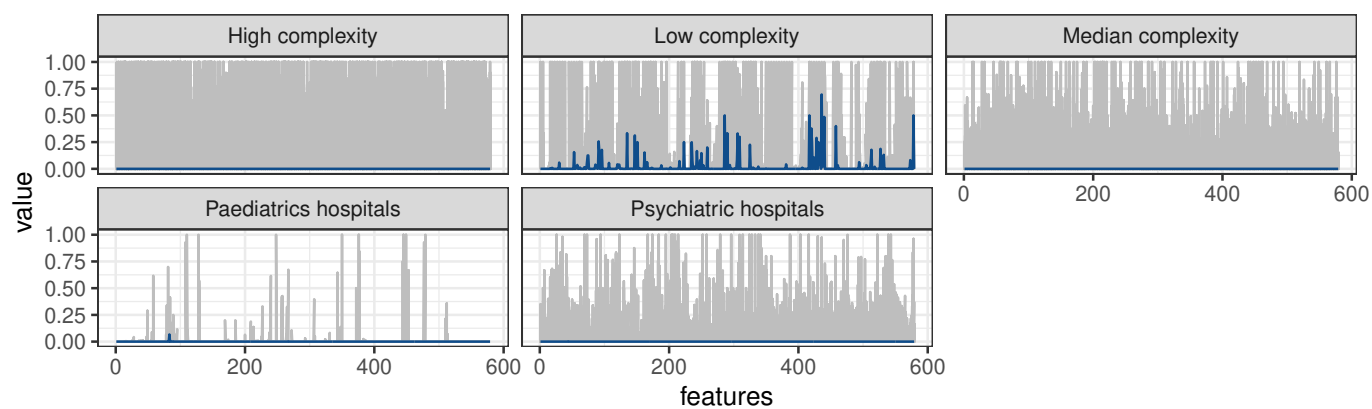|					
121110	Hospital Dr. Abraham Godoy (Lautaro)	Low	Low	2	7
121111	Hospital de Galvarino	Low	Low	2	7
121112	Hospital de Vilcun	Low	Low	2	7
121113	Hospital Dr. Eduardo Gonzalez Galeno (Cunco)	Low	Low	2	7
121114	Hospital Intercultural de Nueva Imperial	Low	Low	2	7
121115	Hospital de Carahue	Low	Low	2	7
121116	Hospital Dr. Arturo Hillerns Larranaga (Saavedra)	Low	Low	2	7
121117	Hospital de Pitrufquen	Low	Low	2	7
121118	Hospital de Tolten	Low	Low	2	7
121119	Hospital de Gorbea	Low	Low	2	7
121120	Hospital de Loncoche	Low	Low	2	7
121121	Hospital de Villarrica	Low	Low	2	7
121200	Hospital San Francisco (Pucon) (D)	Low	Low	2	7
121201	Hospital Maquehue-Pelal (Padre Las Casas) (D)	Low	Low	2	7
122100	Hospital Clinico Regional (Valdivia)	Low	Low	2	7
122101	Hospital de Corral	Low	Low	2	7
122102	Hospital de Los Lagos	Low	Low	2	7
122103	Hospital de Lanco	Low	Low	2	7
122105	Hospital de Rio Bueno	Low	Low	2	7
122106	Hospital de Paillaco	Low	Low	2	7
122201	Hospital Padre Bernabe de Lucerna (Panguipulli) (D)	Low	Low	2	7
123100	Hospital Base San Jose de Osorno	Low	Low	1	7
123101	Hospital de Purranque	Low	Low	2	7
123102	Hospital de Rio Negro	Low	Low	2	7
123103	Hospital de Puerto Octay	Low	Low	2	7
123104	Hospital Mision San Juan de la Costa	Low	Low	2	7
123105	Hospital del Perpetuo Socorro de Quilacahuin	Low	Low	2	7
124105	Hospital de Puerto Montt	Low	Low	2	7
124110	Hospital de Llanquihue	Low	Low	2	7
124115	Hospital de Frutillar	Low	Low	2	7
124120	Hospital de Fresia	Low	Low	2	7
124125	Hospital de Maullin	Low	Low	2	7
124130	Hospital de Calbuco	Low	Low	2	7
124140	Hospital de Palena	Low	Low	2	7
124145	Hospital de Futaleufu	Low	Low	2	7
125100	Hospital Regional (Coihaique)	Low	Low	2	7
125101	Hospital de Puerto Aysen	Median	Median	2	7
125102	Hospital Dr. Leopoldo Ortega R. (Chile Chico)	Median	Median	2	7
125103	Hospital Lord Cochrane	Median	Psychiatric	2	7
125104	Hospital Dr. Jorge Ibar (Cisnes)	Median	Psychiatric	2	7
126100	Hospital Clinico de Magallanes Dr. Lautaro Navarro Avaria	Median	Median	2	7
126101	Hospital Dr. Augusto Essmann Burgos (Natales)	Median	Median	2	7
126102	Hospital Dr. Marco Antonio Chamorro (Porvenir)	Median	Median	2	7
128109	Hospital Provincial Dr. Rafael Avaria (Curanilahue)	Median	Median	2	7
128110	Hospital de Lebu	Median	Psychiatric	2	7
128111	Hospital Intercultural Kallvu Llanka (Canete)	Median	Median	2	7
128112	Hospital de Contulmo	Median	Median	2	7
128113	Hospital San Vicente (Arauco)	Median	Median	2	7
129100	Hospital Dr. Mauricio Heyermann (Angol)	Median	Median	2	2
129101	Hospital de Puren	Median	Median	2	7
129103	Hospital de Collipulli	Median	Median	2	7
129104	Hospital Dr. Dino Stagno M.(Traiguen)	Median	Median	2	7
129106	Hospital San Jose de Victoria	Median	Median	2	7
129107	Hospital Dr. Oscar Hernandez E.(Curacautin)	Median	Median	2	6
129108	Hospital de Lonquimay	Median	Median	2	3
133150	Hospital de Castro	Median	Median	2	2
133155	Hospital de Ancud	Median	Median	2	1
133160	Hospital Comunitario de Achao	Median	Median	2	7
133165	Hospital de Quellon	Median	Median	2	7
133170	Hospital de Queilen	Median	Median	2	5

Fig. S1: Magnitude of the healthcare production features collected during the year 2016 grouped according to the modified MINSAL categorisation (Table II). The median values have been coloured in blue.
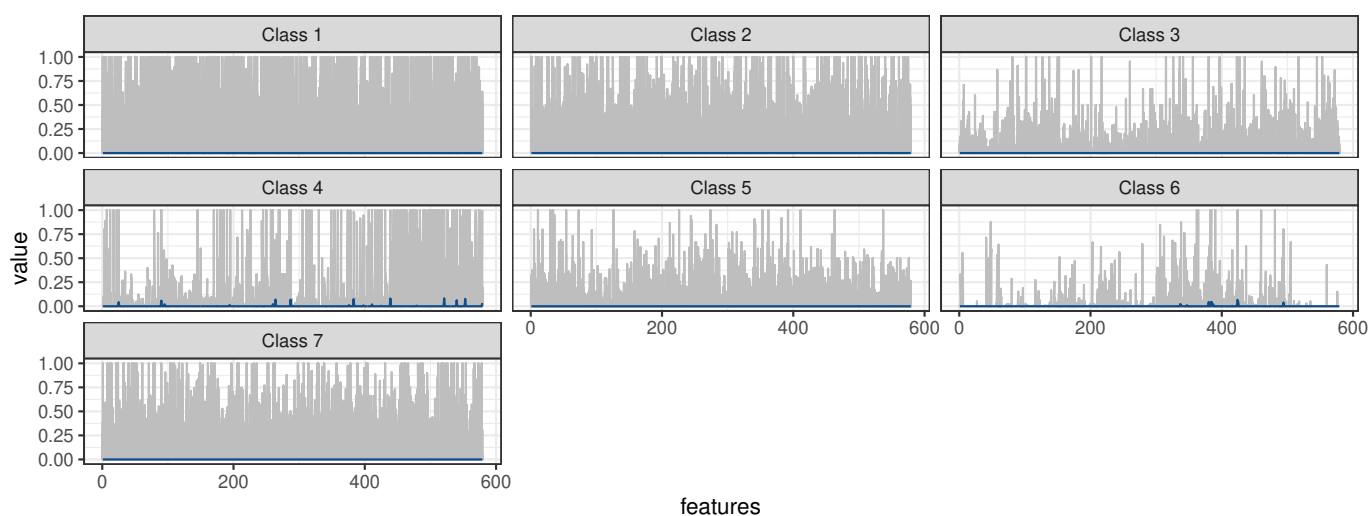

Fig. S2: Magnitude of the healthcare production features collected during the year 2016 grouped according to consensus partition solution based on Pearson's correlation distance. The median values have been coloured in blue.

Algorithm 1 Non-dominated Sorting Genetic Algorithm-II

1: **Input:** D, ps, cr, mr
2: **Output:** A P population of partitions (Pareto frontier).
                                              ▷ **Initialise population**
3: $P \leftarrow initialise\_population(D, ps)$
4: **while stop** condition is not reached **do**
5:     **for each** $p \in P$ **do**
                                           ▷ **Secondary population**
6:         $Q \leftarrow secondary\_population(P)$
                                              ▷ **Genetic operations**
7:         $[C_1, C_2] \leftarrow binary\_tournament\_selection(P, Q)$
8:         $Q[p] \leftarrow crossover(C_1, C_2, cr)$
9:         $Q[p] \leftarrow mutation(Q[p], mr)$
10:     **end for**
                                           ▷ **Update population** P
11:     $P \leftarrow non\_dominated\_sorting(P, Q, ps)$
12: **end while**
13: **return** (P)