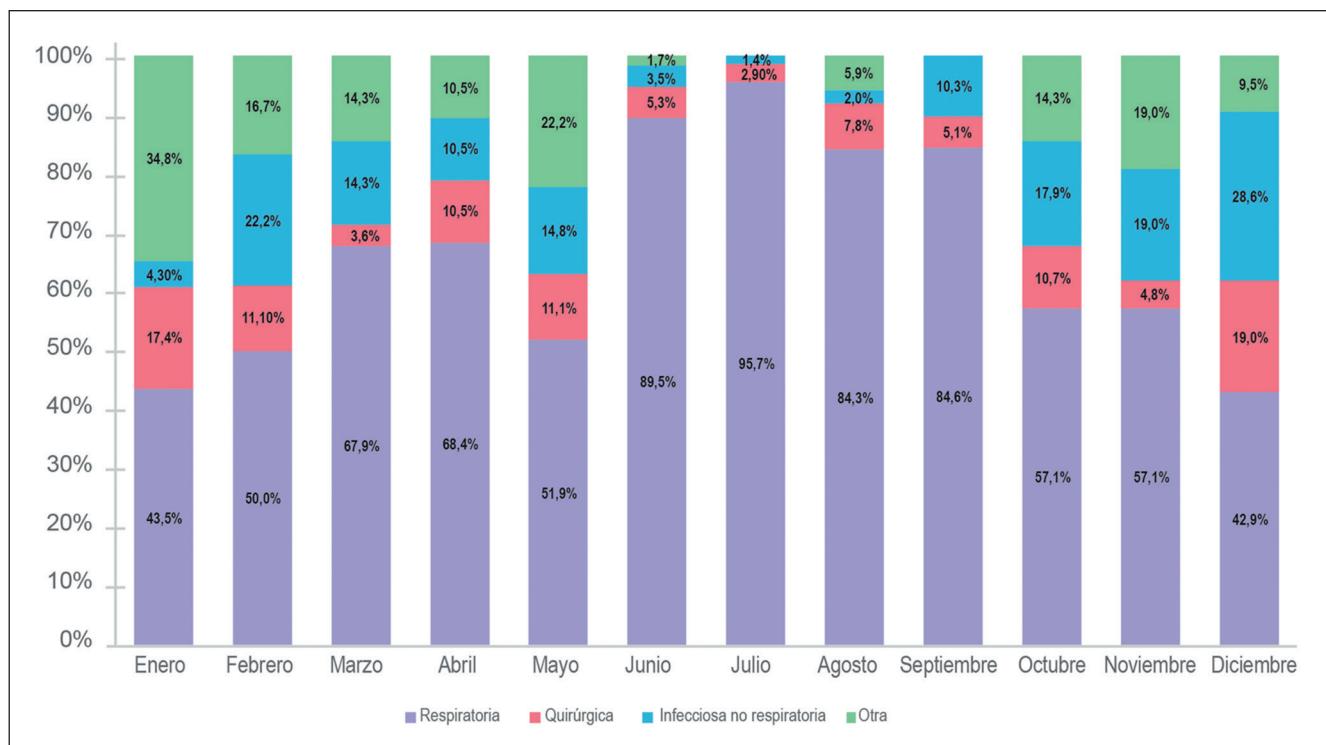


## Rehospitalization of preterm infants below 32 weeks of gestational age in the first 2 years post discharge

Rehospitalización en prematuros menores de 32 semanas o menores de 1.500 g en los primeros 2 años posteriores al alta



**Supplementary figure 1.** First re-hospitalization cause by month of the year. Chile, 2009-2017. First re-hospitalization cause by month of the year. Chile, 2009-2017. Respiratory conditions were the main cause of re-hospitalization all year round, increasing in winter season (June to September). Sections with no level refers to less than 2 percent of the month's cases.

**Supplementary Table 1. General description and perinatal characteristics of newborns by period under study. Chile, 2009-2017**

	Period I 2009-2011 (n = 324)	Period II 2012-2014 (n = 390)	Period III 2015-2017 (n = 275)	Total 2009-2017 (n = 989)	P value
Newborn descriptives	43.5	45.4	41.1	43.6	0.546
Male sex, %	29.3 (2.4)	29.2 (2.4)	29.5 (2.2)	29.3 (2.3)	0.226
GA (weeks), mean (SD)	34.9	34.1	30.5	33.4	0.494
GA ≤ 28 weeks, %	1256 (336)	1279 (355)	1287 (349)	1274 (347)	0.510
Weight at birth (g), mean (SD)	12.3	17.9	20.4	16.8	0.023 <sup>(a)</sup>
Twin, %	81.1	76.1	76.4	77.8	0.232
Cesarean birth, %	14.2	16.8	16.5	15.8	0.593
1-min Apgar score ≤ 3, %	1.6	0.8	0.7	1.0	0.524
5-min Apgar score ≤ 3, %					
Descriptivos maternos					
Age (years), mean (SD)	27.1 (7.2)	27.1 (7)	28.6 (6.3)	27.5 (6.9)	0.012 <sup>(b)</sup>
Pregnancy control, %	95.9	97.0	96.3	96.5	0.713
Number of siblings, mean (SD)	0.68 (0.93)	0.95 (1.19)	1.02 (1.12)	0.89 (1.1)	< 0.001 <sup>(c)</sup>
Primiparous, %	52.0	45.9	40.7	46.4	0.024 <sup>(d)</sup>
Prenatal steroids, %	84.8	88.1	89.6	87.4	0.201
Neonatal stay					
Length of stay (days), median (range)	50 (20-307)	51 (13-313)	53 (15-224)	52 (13-313)	0.818
Sepsis, %	37.7	35.4	39.8	37.4	0.539
MV, %	52.4	46.8	49.4	49.2	0.384
Days of MV, median (range)	5 (1-179)	5 (1-173)	6 (1-80)	5 (1-179)	0.801
CPAP, %	73.8	78.7	79.3	77.2	0.205
Bronchopulmonary dysplasia, %	23.5	20.7	18.2	20.9	0.293
Oxygen at discharge, %	14.2	13.4	11.3	13.1	0.563
Surgical ductus, %	6.5	2.4	1.1	3.3	0.001 <sup>(e)</sup>
Surgical enterocolitis, %	7.3	6.0	5.9	6.3	0.761
Surgical rethiropathy, %	3.3	2.5	1.1	2.2	0.258
Hemorrhagia intracraniana, %	35.1	31.3	28.3	31.6	0.225
Severe intracranial hemorrhage, %	3.5	4.4	4.6	4.2	0.786
Leukomalacia, %	8.2	11.9	5.7	8.9	0.026 <sup>(f)</sup>
Presence of Seizures, %	12.8	14.0	10.7	12.6	0.469
Palivizumab use, %	17.9	13.1	28.4	18.9	< 0.001 <sup>(g)</sup>
Weight at discharge (g), mean (SD)	2580 (724)	2557 (657)	2656 (597)	2593 (665)	0.160
Length at discharge (cm), mean (SD)	45.8 (3.2)	46 (3.3)	46.8 (3.1)	46.2 (3.3)	0.001 <sup>(h)</sup>
Head circumference at discharge (cm), mean (SD)	33.41 (2.63)	0.95 (1.19)	33.43 (1.92)	33.34 (2.34)	0.385
GA at discharge (weeks), mean (SD)	38.3 (4.4)	38.2 (4.3)	38.2 (3.5)	38.2 (4.2)	0.962
Breastfeeding at discharge, %	42.6	47.2	65.4	51.4	< 0.001 <sup>(i)</sup>

CPAP: Continuous positive airway pressure, GA: gestational age, MV: mechanical ventilation, SD: standard deviation. <sup>(a)</sup>Significant differences across group I to III; <sup>(b)</sup>Group III significantly different from I and II; <sup>(c)</sup>Group I significantly different from II and III; <sup>(d)</sup>Group I significantly different from III; <sup>(e)</sup>Group I significantly different from II; <sup>(f)</sup>Group II significantly different from III; <sup>(g)</sup>Group III significantly different from I and II; <sup>(h)</sup>Group III significantly different from I and II; <sup>(i)</sup>Group III significantly different from I and II.