

00379 **Demographics of Donors and Recipients in Singapore's First Human Milk Bank**

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Aims: In August 2017, Singapore's first human milk bank, the KK Human Milk Bank (KKHMB) was established to provide a ready supply of safe pasteurized donor human milk (PDHM) to preterm infants with inadequate own mother's milk. We aim to describe the characteristics of human milk donors and recipients recruited by the KKHMB between August 2017 and May 2018, and to identify potential factors to increase recruitment.

Methodology: Donor and recipient data were extracted from the KKHMB database.

Result: Three hundred nineteen donors (319) were recruited. This comprised 77% Singaporeans, 13% permanent residents and 10% foreigners. Eighty-four percent (84%) of donors were Chinese, 4% Indian, 3.4% Malay, and 8.2% belonged to other races. Their mean age was 33.8 years; 52% were primigravidas and majority (88%) had term deliveries. The mean age of their child at the time of donation was 4.5 months.

Three hundred sixty-two (362) recipients were recruited. This comprised 55% Chinese, 8% Indian, 29% Malay and 8% other races. The most common indication was prematurity (96%), with a mean gestational age of 31.3 weeks and a mean birthweight of 1552grams. The indications in term infants were low birth weight (2.3%), congenital cyanotic heart disease (1.1%), hypoxic ischemic encephalopathy (0.3 %) and maternal condition (0.3 %). A total of 1046 liters of PDHM was dispensed with an average of 2.9 liters per recipient. The average number of days of PDHM use per recipient was 13 days (range 1-91). No adverse events related to PDHM were reported.

Conclusion: Milk banking is well accepted within our diverse population. In keeping with Singapore's population demographics, majority of our donors and recipients were Chinese. Given the relatively smaller number of Malay and Indian donors, there is a need to identify the barriers to milk donation and adopt strategies to increase recruitment in these populations.