

Table 1. Description of apps

| App Name & Operating System | Developer | Country | Category | App Rating | Cost (CAD) | Version | Language(s) | Ads/In-app cost |
|---------------------------------|----------------------------------|----------------|-----------|--------------------|------------|----------------------------|--|-----------------|
| Babble Apple iOS | Midcentral District Health Board | New Zealand | Medical | Not enough ratings | Free | 1.5 | English | No |
| Baby Growth Tracker Android | St. Rose Dominican Hospital | United States | Medical | 3 stars | Free | 1.1 | English | No |
| Connect2NICU Apple iOS | Connect2 NICU | Unknown | Lifestyle | Not enough ratings | Free | 1.1 | English, French, Spanish, Arabic, German, Chinese, Catalan, Czech, Danish, Dutch, Finnish, Greek, Hebrew, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Bokmal, Polish, Portuguese, Romanian, Russian, Swedish, Turkish | No |
| Gift of Life Apple iOS | Mark Hoewing | United States | Medical | Not enough ratings | Free | 1 | English, Italian, Portuguese, Russian | Yes (Ads) |
| IFDC Android | Propeller Apps | United Kingdom | Medical | Not enough ratings | Free | 1 | English | No |
| Life's Little Love Apple iOS | AlexiaTek | Canada | Medical | Not enough ratings | Free | 1.0.8 | English | No |
| myChildren's Android | Nationwide Children's Hospital | United States | Medical | 5 stars | Free | 4.2.1.145 9- b6334bd | English | No |
| MyPremie App Apple iOS | Graham's Foundation | United States | Medical | Not enough ratings | Free | 1.13 | English, Spanish | No |

| | | | | | | | | |
|---|------------------------------------|----------------|-----------|--------------------|--------|-------|------------------|------------------------|
| My Neonatal Journal Apple iOS | Rancon | United Kingdom | Medical | Not enough ratings | Free | 1.1.1 | English | No |
| NICU Companion Apple iOS | Indiana University | United States | Medical | Not enough ratings | Free | 2 | English, Spanish | No |
| NICU Parent Apple iOS | PSD Apps | Greece | Medical | Not enough ratings | Free | 1.6 | English | Yes (Ads) |
| Our Journey in the NICU Apple iOS | Phoenix Children's Hospital | United States | Medical | Not enough ratings | Free | 1 | English, Spanish | No |
| Pebbles of Hope Apple iOS | Pebbles of Hope | United States | Medical | Not enough ratings | Free | 2 | English | No |
| Peekaboo ICU Premie Android | Jozo Radman | United States | Medical | 4 stars | Free | 0.0.5 | English | No |
| Premature Baby Journal Android | Life's Little Treasures Foundation | Australia | Medical | Not enough ratings | \$2.96 | 1.1 | English | No |
| Premature Birth Android | Health Care Tips | Unknown | Medical | 4 stars | Free | 1 | English | Yes (Ads) |
| Quantum Caring for Parents (QCP)- NICU Apple iOS | Caring Essentials | United States | Education | Not enough ratings | Free | 1.1 | English | Yes (In-app purchases) |
| Tommy's- My Premature Baby Apple iOS | Tommy's | United Kingdom | Medical | Not enough ratings | Free | 1.0.5 | English | No |

Table 5. Mobile App Rating Scale average scores per app

| App Name | Engagement | Functionality | Aesthetics | Information Quality | Overall Quality | Subjective Quality | Perceived Impact |
|---------------------------------------|------------|---------------|------------|---------------------|-----------------|--------------------|------------------|
| Babble | 3 | 5 | 4.3 | 4 | 4.08 | 3 | 2.5 |
| Baby Growth Tracker | 2.2 | 3.25 | 3 | 3 | 2.86 | 1.75 | 2.5 |
| Connect2NICU | 2.6 | 4 | 1.67 | 3.2 | 2.87 | 1.75 | 2.5 |
| Gift of Life | 2 | 2.75 | 2 | 2.75 | 2.38 | 1 | 1 |
| IFDC | 3.8 | 4.25 | 4 | 4.2 | 4.06 | 3.5 | 4.67 |
| Life's Little Love | 2 | 4 | 3.67 | 3.8 | 3.37 | 2.5 | 3 |
| myChildren's | 3.2 | 3.5 | 3.3 | 3.8 | 3.45 | 2.25 | 2.5 |
| MyPremie App | 3.2 | 4.25 | 4.67 | 4.5 | 4.16 | 4.25 | 3.5 |
| My Neonatal Journal | 3 | 3.75 | 3.3 | 3 | 3.26 | 2 | 1.33 |
| NICU Companion | 3.4 | 5 | 4 | 4 | 4.1 | 2.5 | 3 |
| NICU Parent | 1 | 4.25 | 1.3 | 2.75 | 2.33 | 1 | 1.33 |
| Our Journey in the NICU | 2 | 4.5 | 3 | 4 | 3.38 | 2.25 | 3.17 |
| Pebbles of Hope | 2.2 | 3.25 | 2.67 | 3.4 | 2.88 | 2 | 2.33 |
| Peekaboo ICU Premie | 3.2 | 4 | 3.67 | 4 | 3.72 | 3.25 | 5 |
| Premature Baby Journal | 2.4 | 3.5 | 3.3 | 4 | 3.3 | 3.75 | 2 |
| Premature Birth | 1.4 | 4 | 2 | 2.8 | 2.55 | 1.25 | 2.17 |
| Quantum Caring for Parents (QCP)-NICU | 4.6 | 3.75 | 4.67 | 4.2 | 4.31 | 4 | 4.67 |
| Tommy's- My Premature Baby | 3 | 3.75 | 3.3 | 4.25 | 3.58 | 2.5 | 2.33 |