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| **Parental perceptions and knowledge towards Asthma Action Plans** |
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| **Introduction/Aim:** Personalised Asthma Action Plans (AAPs) are a cornerstone of paediatric asthma management. Parental/Carer perception and health literacy may influence their use of AAPs with their child’s asthma management. We aimed to assess parental/carer knowledge and perceptions of the use of AAPs in managing their child’s asthma.**Methods:** In 2023 we conducted a cross-sectional survey to assess knowledge and perception of generic AAPs in parents/carers of children aged 0-17 years with asthma attending respiratory clinics at Sydney Children’s Hospital, Randwick. The survey included parental perceptions on the utility of AAPs ranked on a 5-point Likert scale, Bursch Parental Self-Efficacy for Asthma scale, and an adapted version of the Asthma Action Plan Knowledge Interview tool (AAPKI).**Results:** 71 parents/carers completed the survey with all possessing a personalised AAP for their child at clinic review, 80% (n=56) in colour. Mean parental self-efficacy score was 55/65 (SD 6.9), indicating higher levels of parental asthma management self-efficacy. Median AAPKI score was 70.2/100% (IQR 20.4%), consistent with previous studies. There was no correlation between parental self-efficacy score and AAPKI score (r = 0.03, p=0.84). Most parents/carers (80.0%, n=56) were either satisfied or very satisfied with using AAPs to manage their child’s asthma. Most either agreed or strongly agreed that AAPs were helpful in knowing when to seek medical attention for their child’s asthma (81.7%, n=58), helped their understanding of asthma severity (81.7%,n=58), and increased their confidence in asthma management (76.0%, n=54). Parents/Carers liked the colour format, layout and personalisation of AAPs. Over half of parents/carers (54.9%, n=33) reported that they would prefer AAPs in digital format. **Conclusion:** High levels of AAP knowledge and self-efficacy scores were demonstrated. Most parents/carers understand the benefits of AAPs. Development of a standardised AAP in colour and making it available in digital and printed version may improve use of AAP across Australia. **Grant Support:** Rotary Club of Sydney Cove |