



Co-Creation of a Down Syndrome Clinic: Integrating Healthcare Systems and Family Advocacy Organizations

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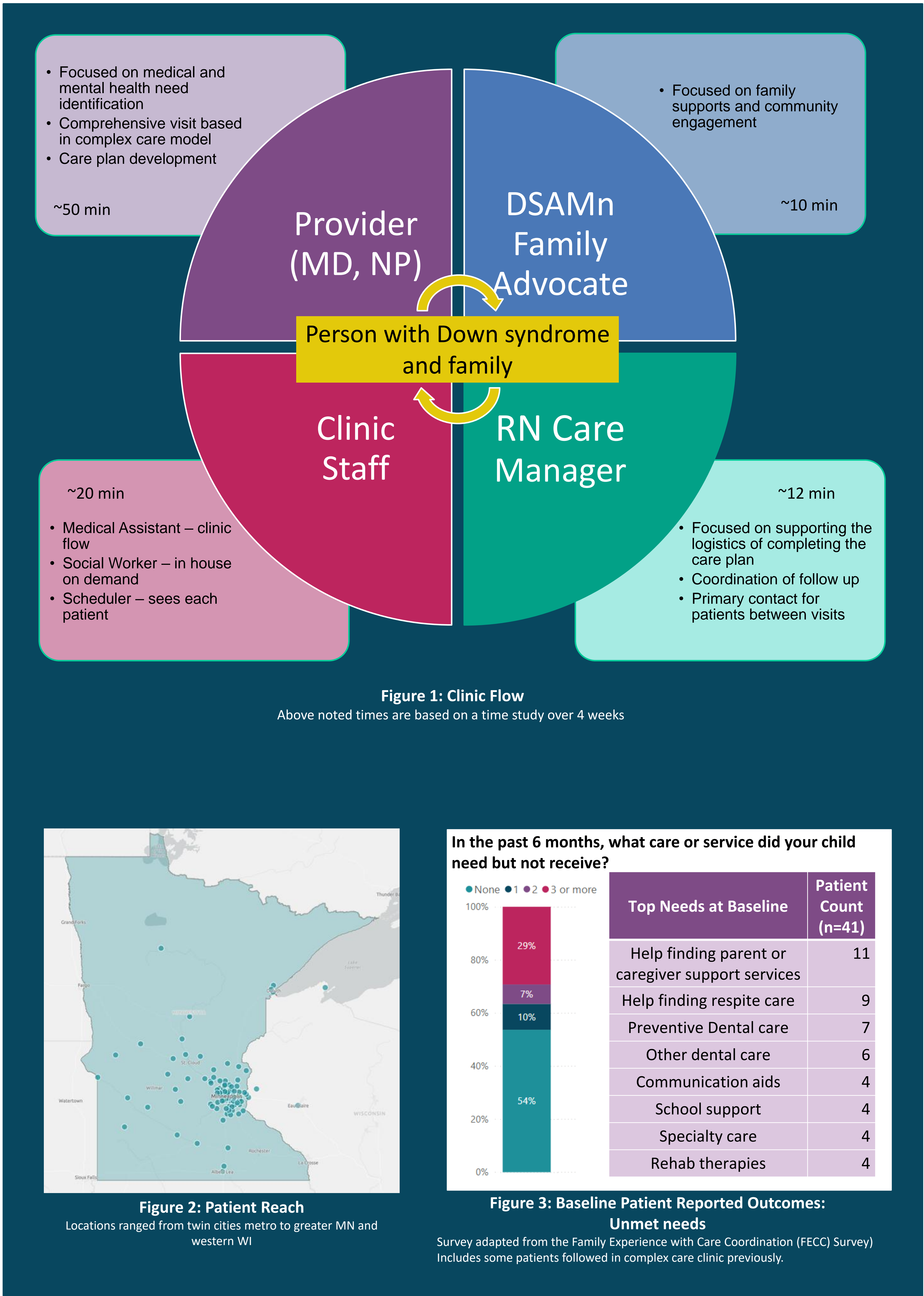


BACKGROUND & OBJECTIVES

- Traditional healthcare models for Pediatric Down syndrome care focus on the guidelines written by the American Academy of Pediatrics (AAP) which includes “offer parent-to-parent or support group information to family”
- Development of the Gillette Children’s Down syndrome clinic began in early 2023 with engagement of the Down Syndrome Association of Minnesota (DSAMn).
- Gillette Children's has a robust Complex Care program, serving 1,300 children and young adults with medical complexity. But there was still a gap in caring for persons with Down syndrome.
- This project demonstrates a holistic care model by integrating medical care with social and familial support through a partnership between a healthcare system and a local family support organization starting in November 2024.

METHODS

- The clinic structure and nursing/provider team was modeled after the existing Complex Care and Muscular Dystrophy Association Neuromuscular Clinic at Gillette Children’s.
- Incorporation of in-clinic Family Advocates from DSAMn required logistical consideration of contract agreements, staff training, compliance with HIPAA regulations, staff vaccination protocols, and identification of clinic flow with prolonged appointment duration.
- Shared commitment to holistic care required strong communication channels and clearly defined roles foster collaboration between clinicians and support group representatives.
- Using informal Plan-Do-Study-Act (PDSA) cycles, the clinic has evolved to incorporate continuous feedback from families and healthcare providers.
- Patient reported outcomes are collected at baseline and then every 6-12 months thereafter.



RESULTS

- In the first 7 months of clinic, a total of 111 patients were enrolled with a total of 16 patient appointment slots available every four weeks. Currently there is a 5 month wait for a new patient appointment.

Table 1: Demographics		
	Connected to DSAMn Prior	Not Connected Prior
Total (n=111)	73%	27%
Gender		
Male (n=64)	81%	19%
Female (n=47)	62%	38%
Age		
0-5 (n=32)	50%	50%
6-12 (n=27)	85%	15%
13-18 (n=17)	82%	18%
19-25 (n=35)	80%	20%
Race		
White (n=76)	84%	16%
Black (n=16)	31%	69%
Asian (n=5)	40%	60%
Other (n=14)	89%	11%

- 30 families were not connected prior to the visit and 17 identified as BIPOC+. From this, 14 of the 17 families opened a case to address unmet needs at the visit.
- Clinic time studies performed by Performance Management Strategy Office supported clinic workflow efficiencies and more accurate expectation setting for patients and families.
- Monthly DSAMn/Gillette clinic process discussions revealed need for addition of infant slots, refinement of team roles, strategies for raising awareness of the clinic within the community, and direct feedback from Down syndrome community "insiders."

DISCUSSION & FUTURE DIRECTIONS

- Integrating a family support organization within a Down syndrome clinic enhances service delivery, ensuring that care is holistic - addressing both medical and social factors.
- This model provides a replicable framework for integrating family support groups into specialized healthcare settings.
- Future directions: Continuing to grow the clinic to reach more patients with Down syndrome. Integrating more with the Down syndrome community to further connect and provide optimal patient care
- Utilizing the Learning Health System model to incorporate Patient Reported Outcome insights into clinic design and growth.

References

1 .Marilyn J. Bull, Tracy Trotter, Stephanie L. Santoro, Celanie Christensen, Randall W. Grout, THE COUNCIL ON GENETICS; Health Supervision for Children and Adolescents With Down Syndrome. Pediatrics May 2022; 149 (5): e2022057010. 10.1542/peds.2022-057010