

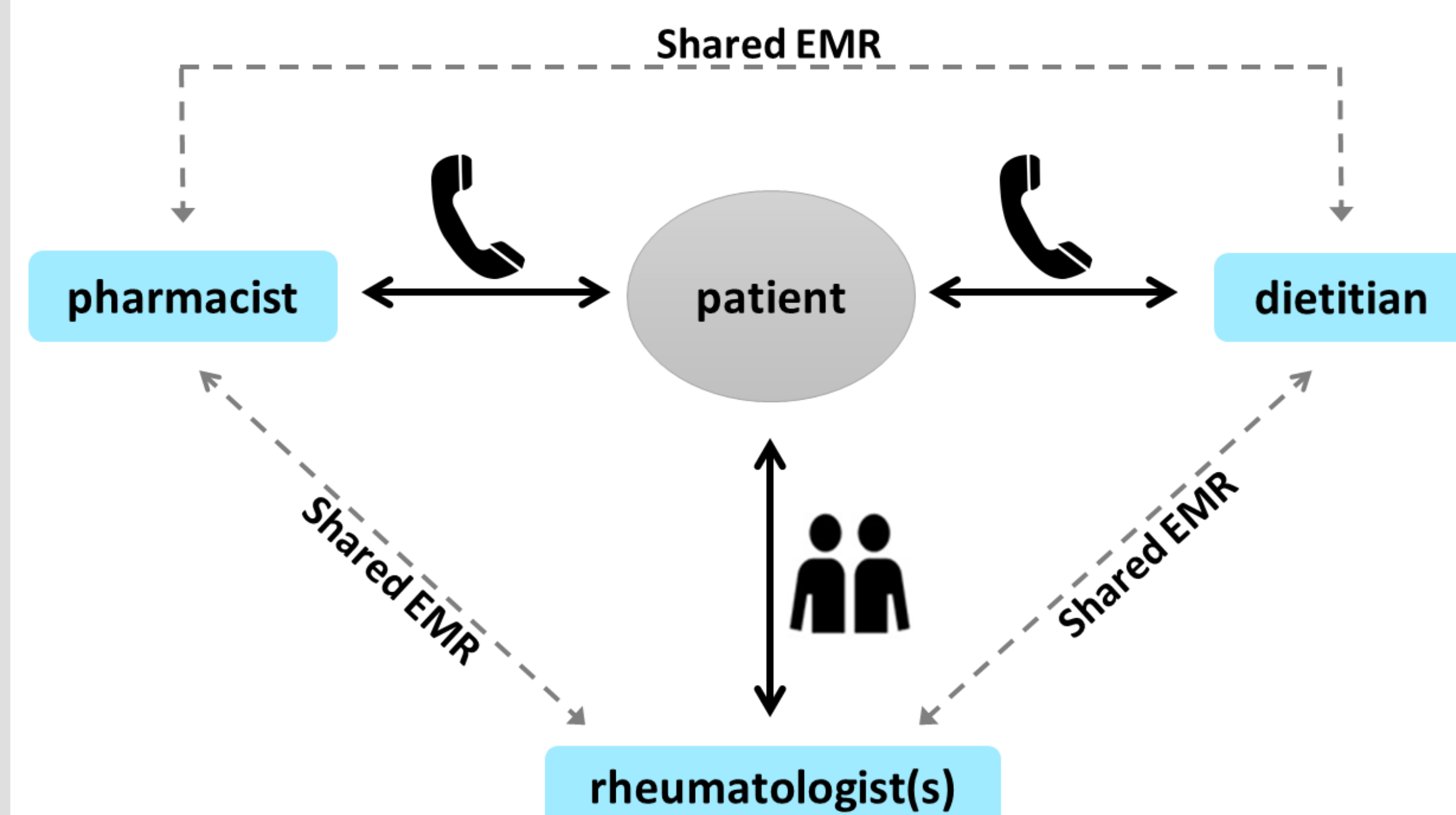
Background

Quality of care in gout is **suboptimal** with poor monitoring of serum uric acid (SUA), medication up-titration, and dietary advice.

Objective

To apply a mixed methods approach to evaluate the Virtual Gout Clinic (VGC), a **decentralized collaborative care** model involving rheumatology, pharmacy and dietetics, supported by **shared EMR**.

Virtual Gout Clinic



8 Rheumatologists in 4 participating practices across BC
-see gout patients in-person as needed basis

Pharmacist
-provides monthly medication management via phone, titrate medications, order and assess lab results, monitor adherence

Dietitian
-provides one phone counselling session on diet and lifestyle

Shared EMR
-facilitate provider communication and data collection for evaluation

Methods

Explanatory sequential mixed methods

Step 1: Quantitative

- Design: 1-year proof-of-concept observational study
- Outcomes: SUA and medication adherence (Compliance Questionnaire Rheumatology 5-item [CQR5]) at 1 year

Step 2: Data integration

- Purposeful selection of VGC patients
- Quantitative results inform interview guide

Step 3: Qualitative

- Design: Constructivist grounded theory
- Data Gathering: One-on-one semi-structured interviews

Step 4: Data integration

- Combine quantitative and qualitative data for interpretation

Results

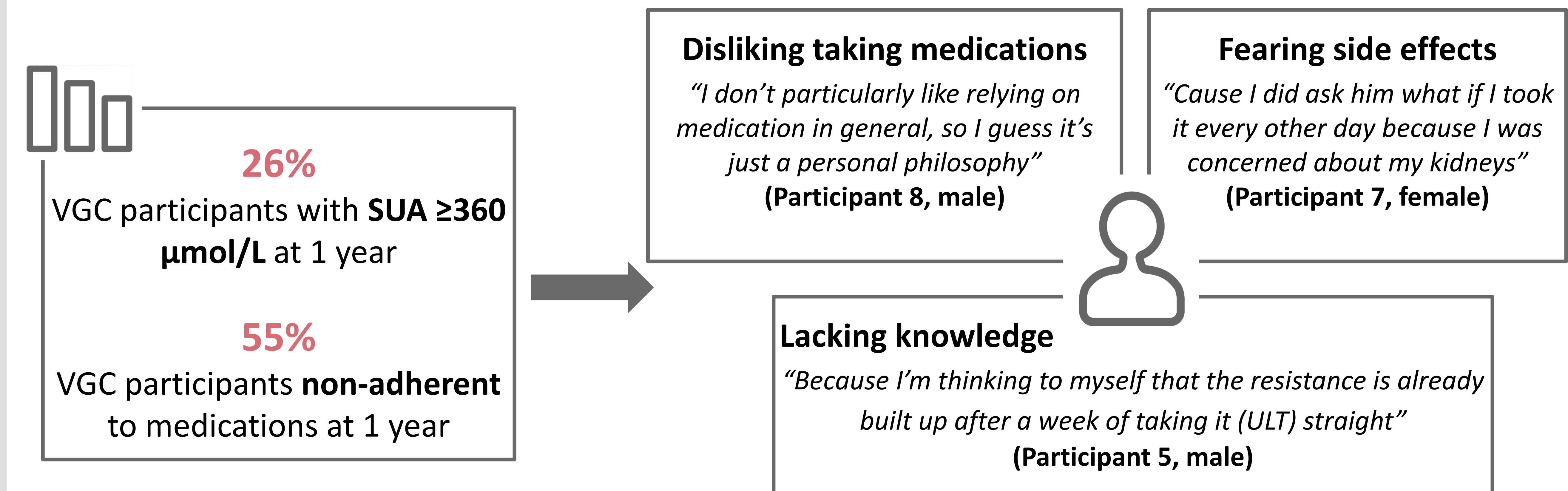
Table 1. Participant Characteristics

	VGC	Interview
Participants (N)	35	12
Male (N(%))	30 (86%)	10 (83%)
Baseline SUA (mean)	455 $\mu\text{mol/L}$	462 $\mu\text{mol/L}$
1 year SUA (mean)	346 $\mu\text{mol/L}$	387 $\mu\text{mol/L}$

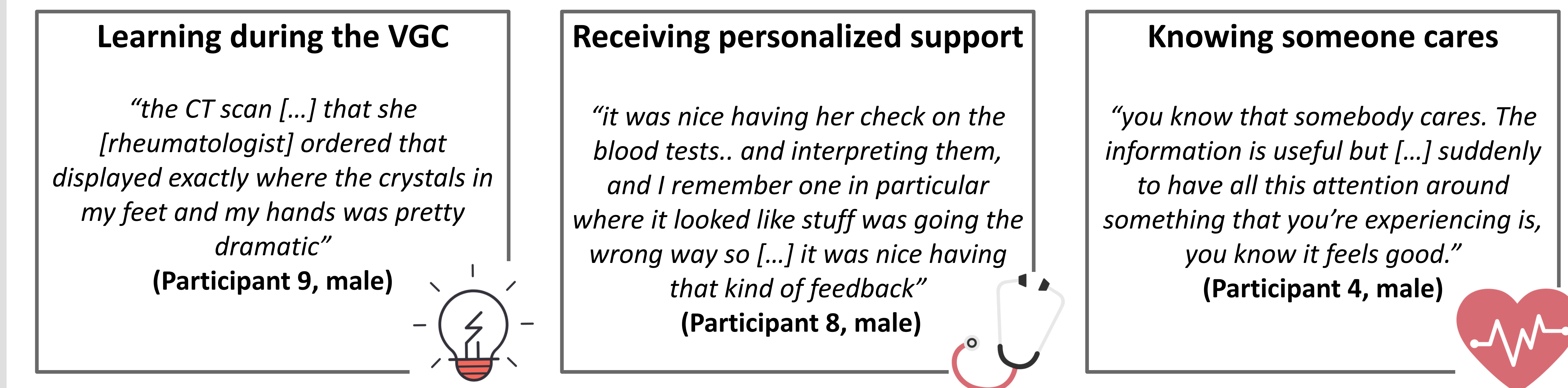
- 4 interview participants were above target SUA (360 $\mu\text{mol/L}$) and 3 characterized as non-adherent (CQR5)

Results

Explaining quantitative results of the VGC



Describing participant experiences with the VGC



Conclusion / Implications

- An eHealth supported (shared EMR) decentralized collaborative care model is a promising approach to improve care for gout.
- Persistent barriers in gout management suggest the need for ongoing patient support beyond the initial diagnosis.

Funding / Acknowledgements

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