American Academy of Pediatrics

DEDICATED TO THE HEALTH OF ALL CHILDREN™

Illinois Chapter

Promoting Health: Improving Patient Outcomes for Childhood Obesity through a Coordinated System of Care ("Promoting Health")

Illinois Chapter, American Academy of Pediatrics

Obesity Prevention Initiatives

Health Disparities and Social Justice Conference

August 8, 2017

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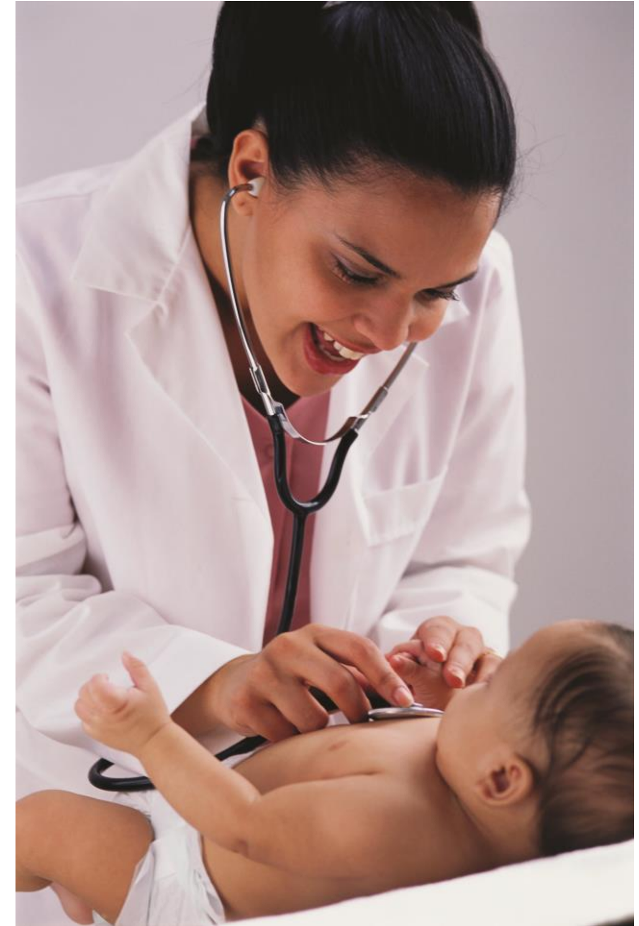
Illinois Chapter, American Academy of Pediatrics (ICAAP)

- Chapter, AAP
- Nonprofit/public health
- 2,200 + members statewide
- Mission – ensure quality care
- CME, QI, systems change, advocacy, collaboration



Childhood Obesity
Health Equity and Social Justice

- Disparate impact – 50% or more of pediatric patients at community health centers have overweight/obesity

- 80% of adolescents with obesity at increased risk 20 chronic conditions
  - Cardiovascular disease
  - Stroke
  - Diabetes
  - Arthritis
  - Certain cancers

Learning Objectives

- Understand steps to integrate clinical and community systems through a coordinated system of care
- Identify communication flow among partners to collaborate in a referral system with medical and nonmedical community resources
- Summarize different technological systems adapted for referral systems

Coordinated System of Care Pilot Goals

- Create model for coordinated system of care, including digital communication
- Improve quality of pediatric obesity care among all providers
- Improve health behaviors and patient outcomes through increased clinical and community integration

Clinical and Community Integration Strategies to Improve Health

"Obesity is a continuing unmet challenge"

US Preventive Services Task Force, 2007, 2017

Closing the Integration Gap for Childhood Obesity

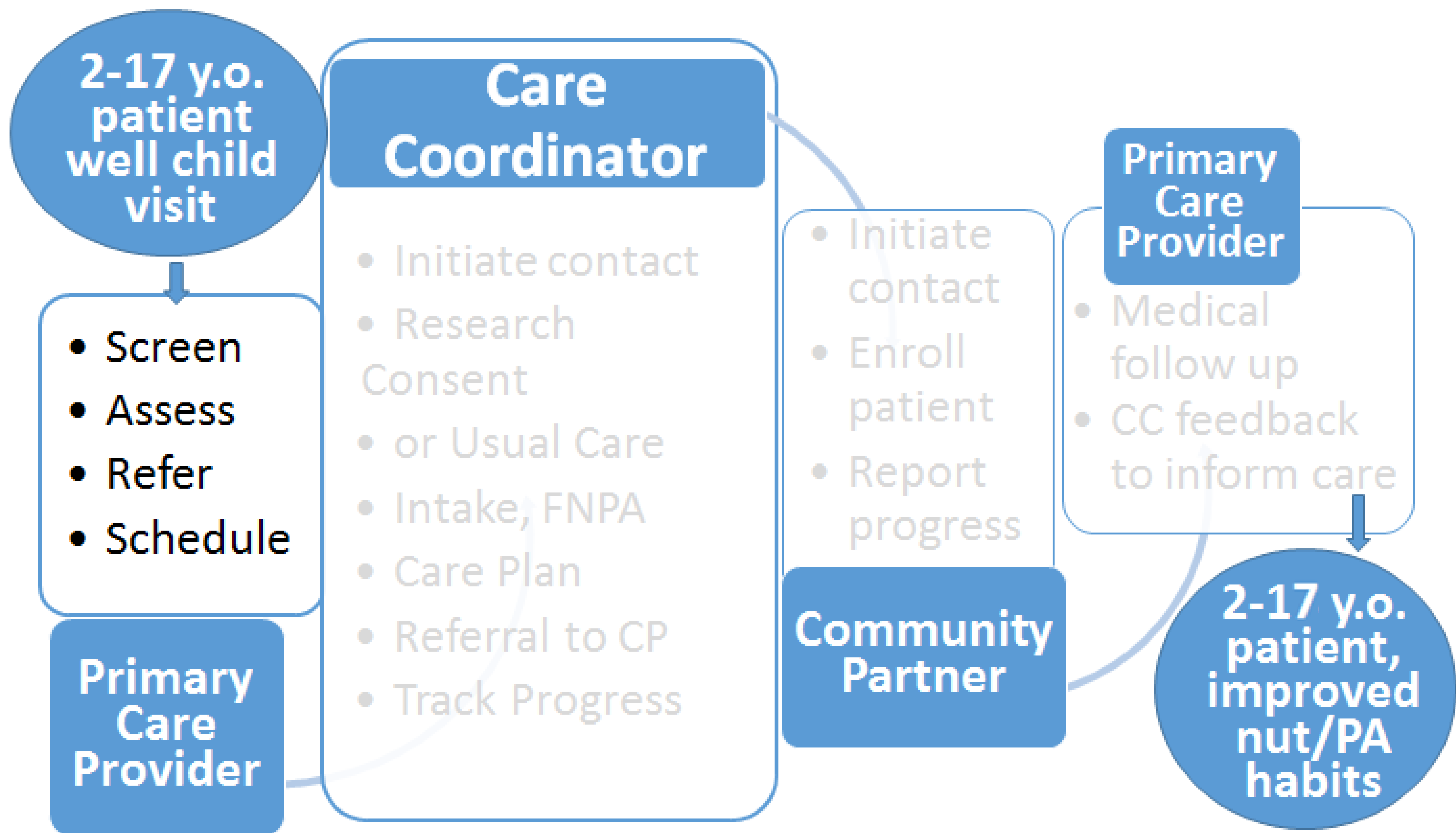
Project Steps

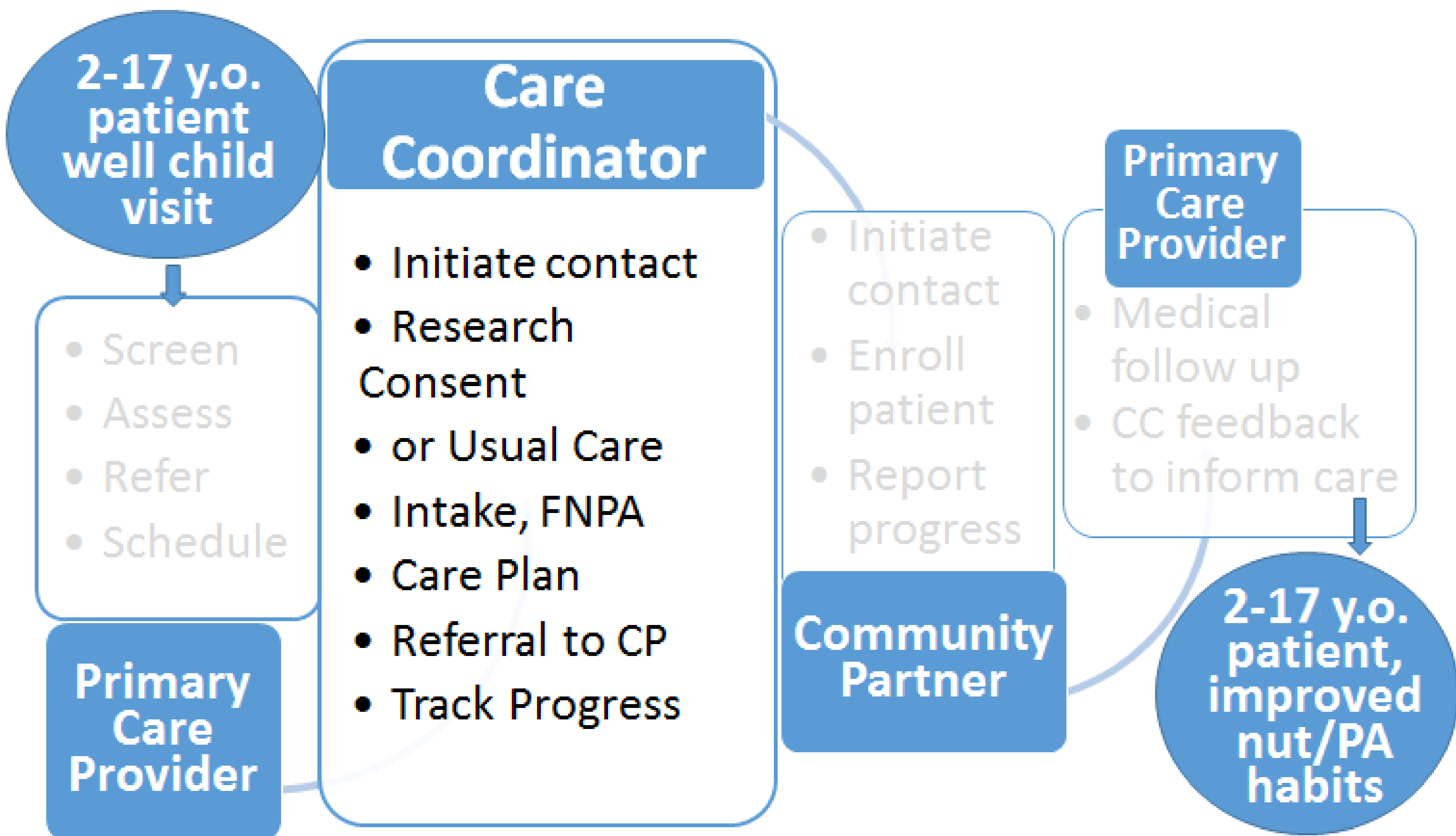
1. Engage clinic partners
2. Build community partner network
3. Identify care coordinator (navigator)
4. Continuous quality improvement
5. Consider HIPAA compliance
6. Data and Evaluation

Clinic Partners

- Erie clinic sites
  - Division Street
  - Evanston

- Heartland clinic site
  - Devon – Rogers Park


2-17 y.o. patient well child visit
Screen
Assess
Refer
Schedule
Primary Care Provider
Care Coordinator
Initiate contact
Research Consent
or Usual Care
Intake, FNPA
Care Plan
Referral to CP
Track Progress
Initiate contact
Enroll patient
Report progress
Community Partner
Primary Care Provider
Medical follow up
CC feedback to inform care
2-17 y.o. patient, improved nut/PA habits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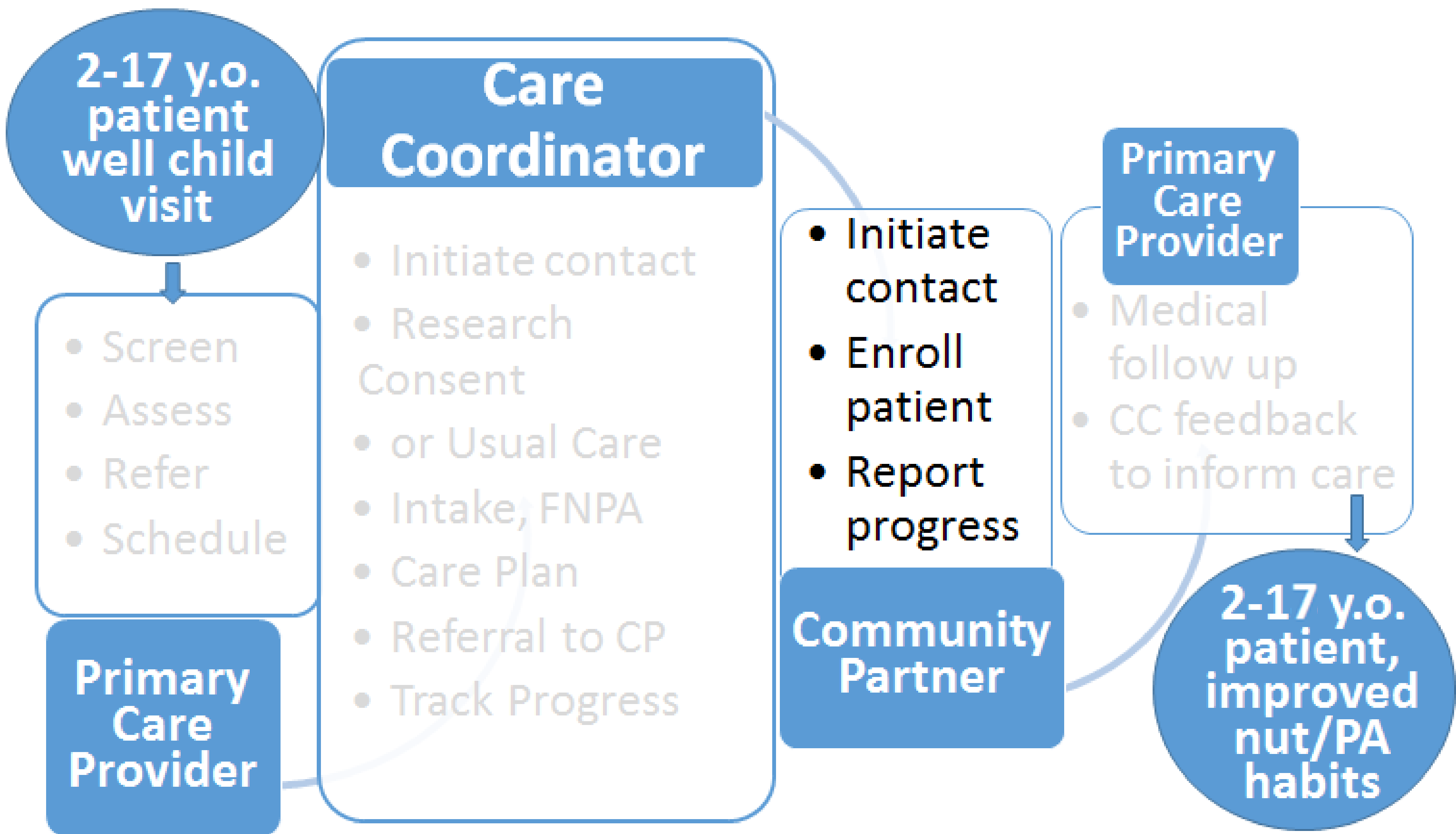
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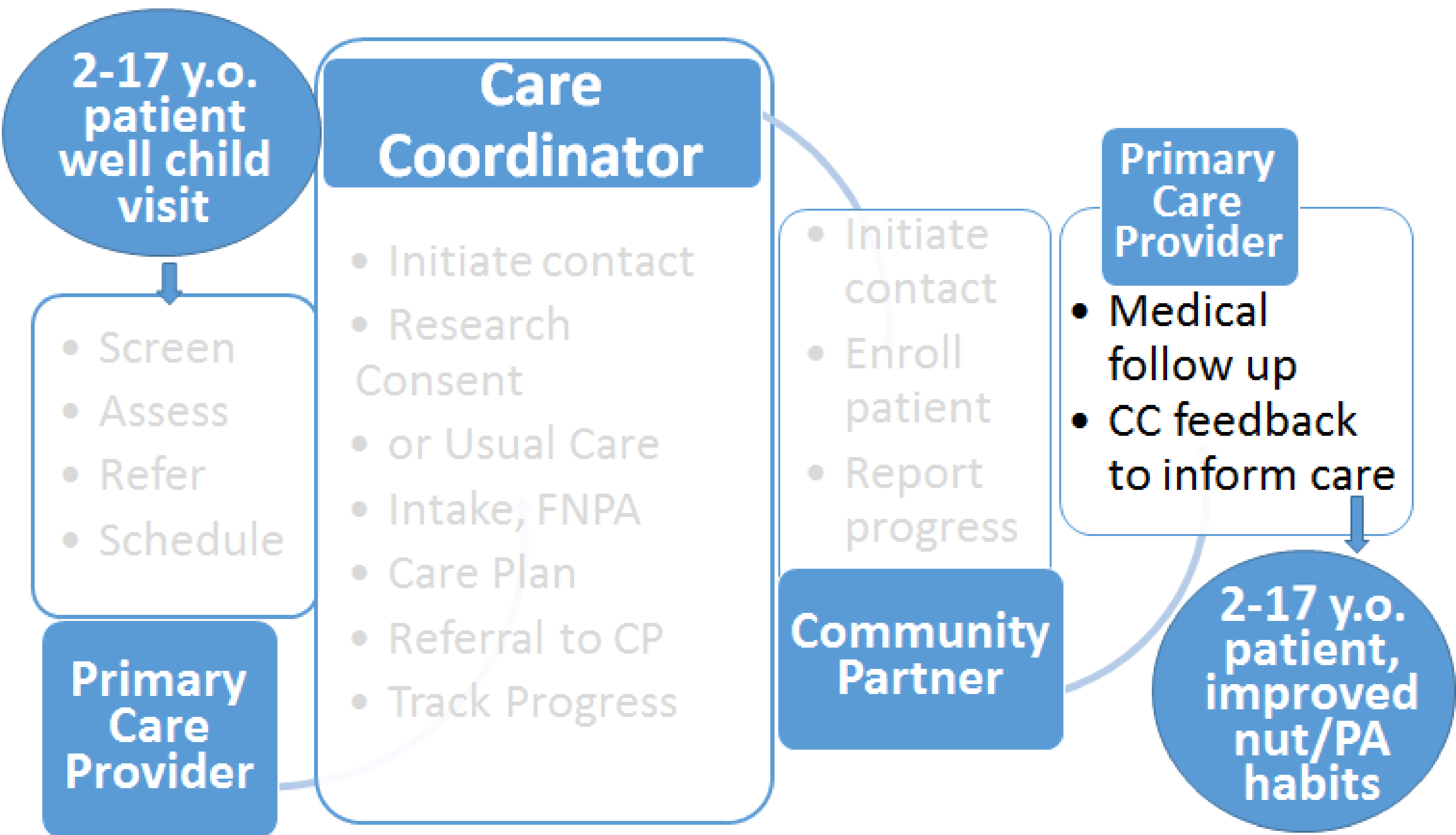
Community Partner Network

Take
charge
of your
health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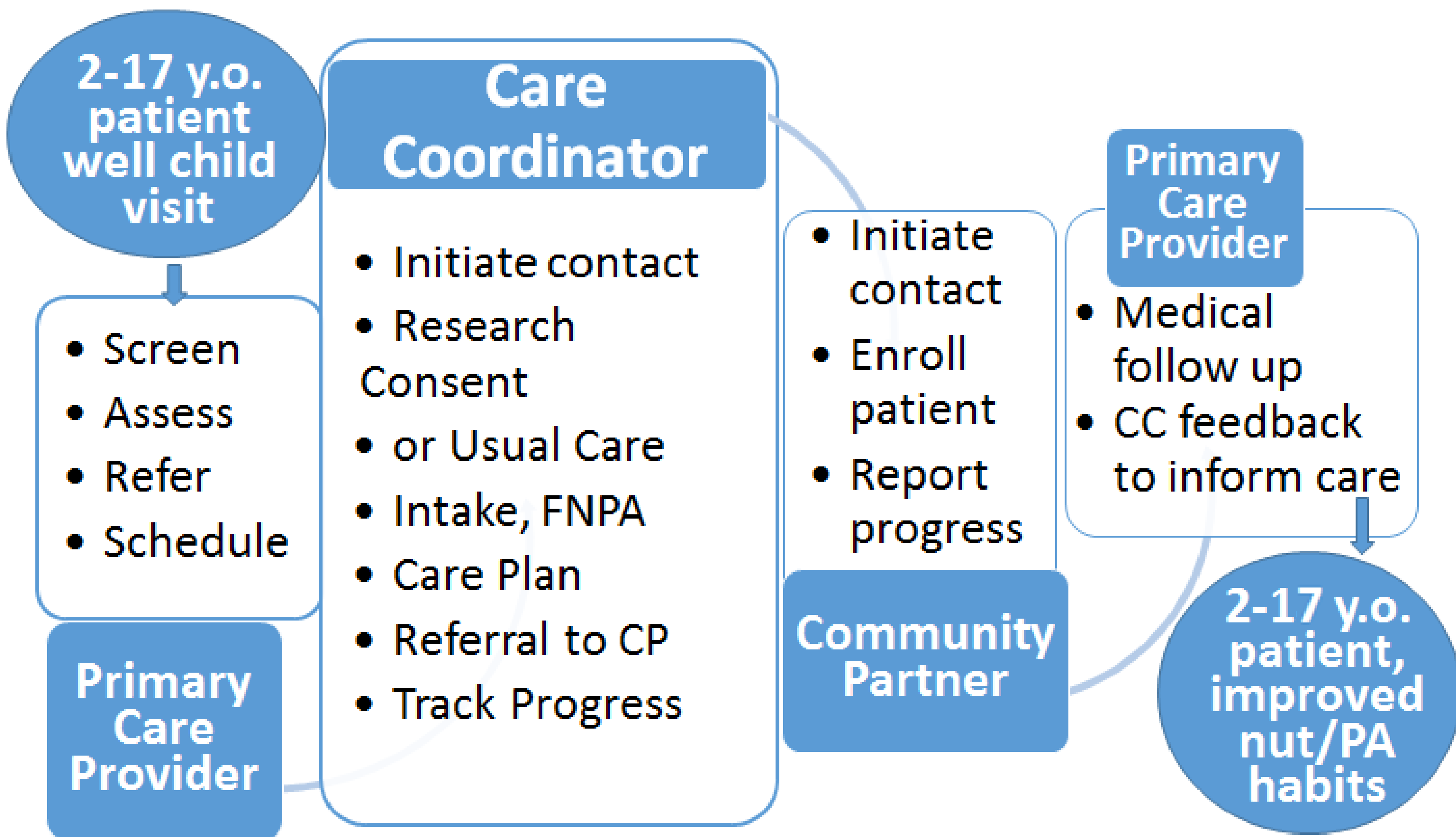
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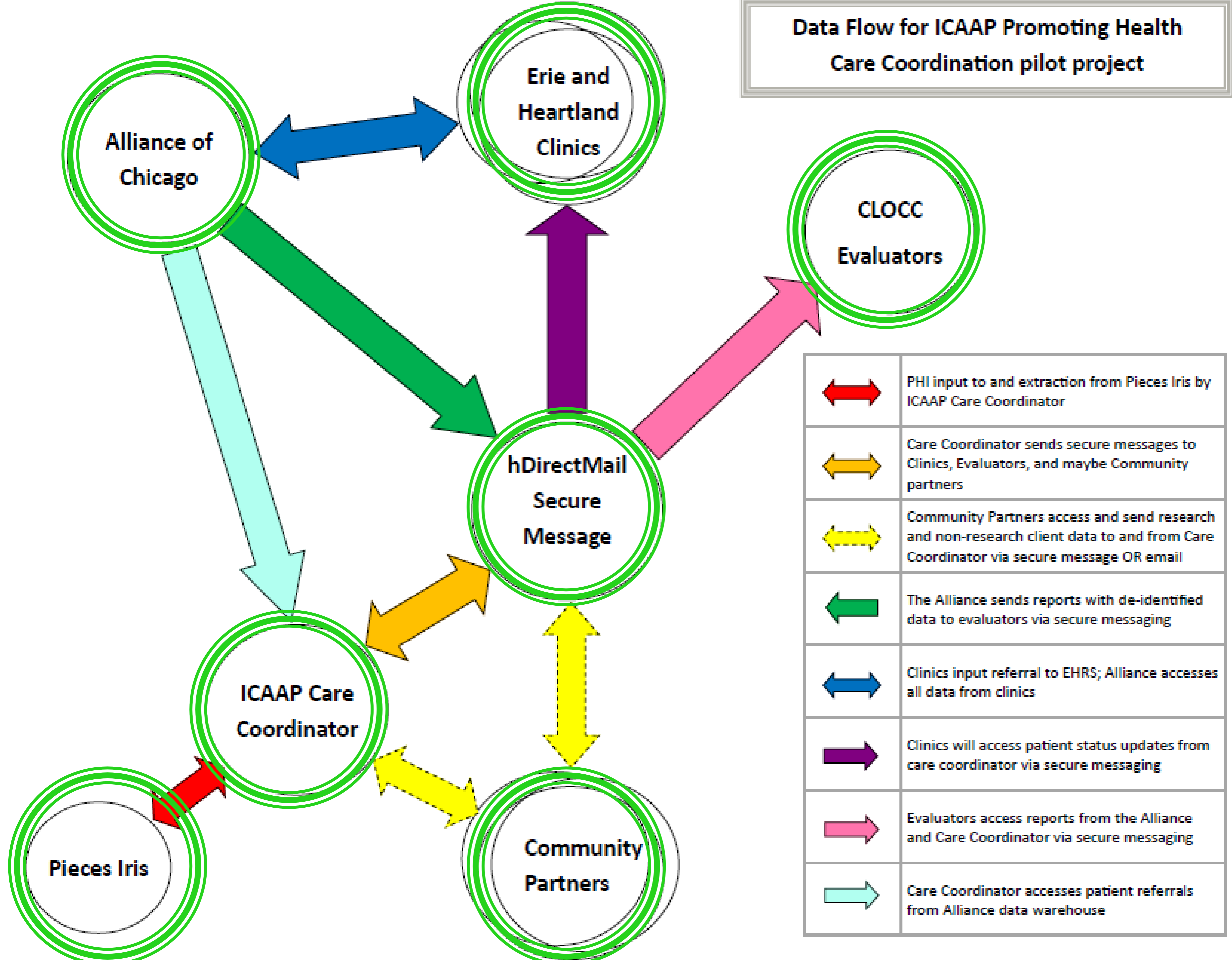
Data Flow for ICAAP Promoting Health Care Coordination pilot project
Erie and Heartland Clinics
Alliance of Chicago
CLOCC Evaluators
hDirectMail Secure Message
ICAAP Care Coordinator
Pieces Iris
Community Partners
PHI input to and extraction from Pieces Iris by ICAAP Care Coordinator
Care Coordinator sends secure messages to Clinics, Evaluators, and maybe Community partners
Community Partners access and send research and non-research client data to and from Care Coordinator via secure message OR email
The Alliance sends reports with de-identified data to evaluators via secure messaging
Clinics input referral to EHRS; Alliance accesses all data from clinics
Clinics will access patient status updates from care coordinator via secure messaging
Evaluators access reports from the Alliance and Care Coordinator via secure messaging
Care Coordinator accesses patient referrals from Alliance data warehouse

Evaluation

- Outcome Measures: provider counseling and referral (quality improvement); physical activity and nutrition habits; BMI for relevant patients
- Data collection: surveys (providers, participant, patient, community partner), care coordination database, data warehouse (EHRS data from each clinic)

Technology and Evaluation Partners

- Technology
  - Centricity – EHRS
  - Data warehouse
  - Pieces Iris – care coordination platform
- Evaluation
  - Maryann Mason, PhD Principal Investigator
  - Amy Christison, MD, FAAP, University of IL, College of Medicine

ICAAP Referral Report from Clinics

BMI >= 85	BMI >= 95	Nutrition/ Physical Activity Counseling	Nutrition/ Physical Activity %	Readiness to Change Question Asked	Ready Change %	ICAAP Referral TO DATE	ICAAP Referral %
1155	679	451	39%	270	23%	254	22%

ICAAP Referral Report **CP Referrals**

2	Chicago Park District
2	CHildServ
3	Actors Gymnasium
3	Cooking Matters held at Heartland
4	ProActive Kids
8	GCFD
9	Heartland Nutrition Counseling
11	Howard Area Community Center Summer Camp
13	Cooking Matters Everthrive
55	**Total Referrals**

Takeaway

- Extremely complicated to streamline digital systems in healthcare, especially to nonmedical sectors
- Need to address underlying causes of OW/OB (food insecurity, **transportation**, poverty, lack of equity, systems that are not readily accessible)
- Healthcare system financing – duplicative administrative systems, and invasive/expensive care rather than primary care and effective community-led efforts

Promoting Health Grant Funders

- Telligen Community Initiative
- Otho S.A. Sprague Memorial Institute
- Wellcare Innovation Institute

For More Information

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