

Development of the Child Health Research Institute:

After the formal establishment - operating details are essential for success



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Child Health Research Institute



Background

Child health research lags significantly behind innovation in adult populations

Many therapies are unstudied, or protocols are dated

- Need for increased development of Child Health Research identified 13 years ago
- The Pediatric Research Office (PRO) initiated support of clinical research studies in 2008
- CHRI Planning and development continued across UNMC and CHMC through 2017
- CHRI Approved by the Univ of Neb Board of Regents and the Children's Hospital & Med Ctr Board in 2017

Methods/Approach

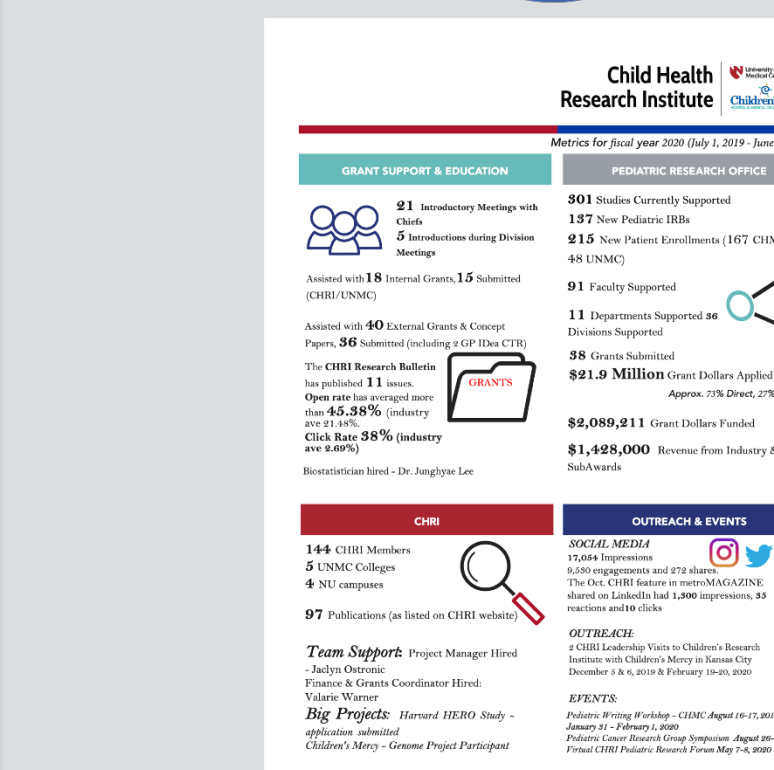
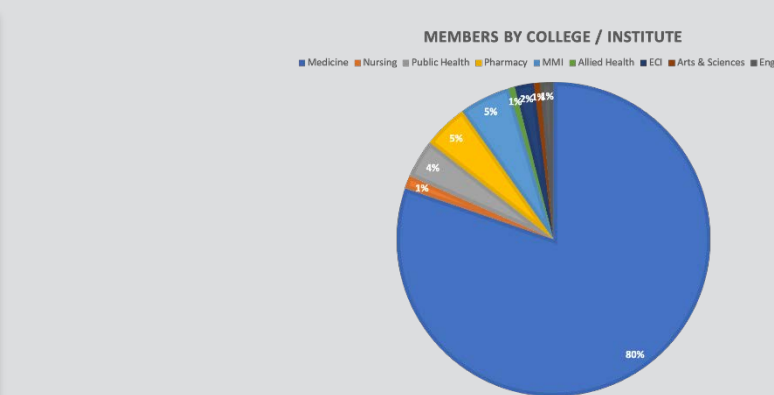
- Revise and finalize an agreement between UNMC and CHMC to fund and govern CHRI
- Develop Membership Categories and Criteria
- Refine the Internal Grants Process to best serve the mission of transitioning to external grants
- Establish functional research Areas of Emphasis for CHRI to promote collaboration and increase research success
- Establish a dashboard and scorecard to evaluate progress
- Establish CHRI UNCM/CHMC Intellectual Property Guidelines

Objectives

- Establish a highly accountable institute that fosters the ability for faculty to conduct high-impact research and secure extramural funding
- Create an environment of inquiry and discovery to recruit productive senior faculty and to foster development of child health physician scientists via a pipeline of trainees
- Secure resources within CHRI to facilitate member research (statistician, scientific writer, internal grant review)
- Develop philanthropic strategies and relationships

Outcomes / Results

- Relationship based leadership (faculty / staff)
- Membership - 164
- External Grants – Submitted 38
- Legal agreements (CHRI, Intellectual Property, Chargemaster, IRB, Biosafety, Lease)
- Advanced the existing 6 areas of emphasis
 - PCRG Director, Scientific Director positions
- Recruitments – Major(1), Minor(1), In progress(3)
- Hired Statistician integrated with the College of Public Health
- Distribute CHRI Bulletin to members 1per month
- Developed Dashboard / Scorecard to monitor progress
- Revising Vision, Mission, Strategic Plan for the coming year



MEMBERSHIP						
METRIC	CY 2018	CY 2019	CY 2020 CURRENT	CY 2020 GOAL	CY 2021 GOAL	STATUS
Total Members			144	200		On track
• Full Members	0	68	122 – Total 51 – New			Decide how to approach new faculty. Added to all ADG members
• Associate Members	0	0	8 (Total & New)			On track
• Affiliate Members	0	0	1 (Total & New)			On track
• Trainee Members	0	0	13 (Total & New)			Design targeted message to this group SOMMER 2020

SPONSORED RESEARCH GRANTS SUBMITTED – CHRI Exclusive of CityMatch Applications						
METRIC	CY 2018	CY 2019	CY 2020 CURRENT	CY 2020 GOAL	CY 2021 GOAL	STATUS
Total Grant Funding Submitted	\$17,667,498	\$20,327,376	\$14,000,000			On track

COVID-19 Impact

- Moved entire team to remote/blended work for the foreseeable future
- Shut down and then reopened Child Health Research across two campuses
- Virtual research forum in May - Successful
- Coordinate COVID research in vulnerable populations
- Financial Resources limited / Hiring Freeze
- Remote study monitoring

Discussion

- CHRI had a successful initial year meeting the critical goals by the outlined approach



Next Steps

- Update and Align the mission and vision with the current strategic plan for CHMC and UNMC
- Increase Philanthropic Engagement
- Hire a Scientific Director for the PCRG
- National Scientific Advisory Board

Presented at the 2020 ELAM® IAP Poster Symposium

SCORECARD

UPDATED: July 27, 2020

MEMBERSHIP								
METRIC	CY 2018	CY 2019	CY 2020 CURRENT	CY 2020 GOAL	CY 2021 – GOAL	STATUS	ACTION	OWNER
Total Members			144	200				<i>Ostronic</i>
• <i>Full Members</i>	0	68 (Total & New)	122 – Total 51– New				<i>Decide how to approach new faculty. Market to all AOE members</i>	<i>Ostronic</i>
• <i>Associate Members</i>	0	0	8 (Total & New)					<i>Ostronic</i>
• <i>Affiliate Members</i>	0	0	1 (Total & New)					<i>Ostronic</i>
• <i>Trainee Members</i>	0	0	13 (Total & New)				<i>Design targeted message to this group SUMMER 2020</i>	<i>Ostronic</i>
SPONSORED RESEARCH GRANTS SUBMITTED – CHRI Exclusive of CityMatch Applications								
METRIC	CY 2018	CY 2019	CY 2020 CURRENT	CY 2020 GOAL	CY 2021 – GOAL	STATUS	ACTION	OWNER
Total Grant Funding Submitted	\$17,667,498	\$20,327,376	\$14,924,157				Totals come from PRO/CHRI Grants Application Spreadsheet	<i>Servais</i>

Metrics for fiscal year 2020 (July 1, 2019 - June 30, 2020)

GRANT SUPPORT & EDUCATION



21 Introductory Meetings with Chiefs
5 Introductions during Division Meetings

Assisted with **18** Internal Grants, **15** Submitted (CHRI/UNMC)

Assisted with **40** External Grants & Concept Papers, **36** Submitted (including 2 GP IDea CTR)

The **CHRI Research Bulletin** has published **11** issues.

Open rate has averaged more than **45.38%** (industry ave 21.48%).

Click Rate 38% (industry ave 2.69%)



Biostatistician hired - Dr. Junghyae Lee

PEDIATRIC RESEARCH OFFICE

301 Studies Currently Supported

137 New Pediatric IRBs

215 New Patient Enrollments (167 CHMC + 48 UNMC)

91 Faculty Supported

11 Departments Supported
36 Divisions Supported

38 Grants Submitted

\$21.9 Million Grant Dollars Applied For
Approx. 73% Direct, 27% Indirect

\$2,089,211 Grant Dollars Funded

\$1,428,000 Revenue from Industry & SubAwards



CHRI

144 CHRI Members

5 UNMC Colleges

4 NU campuses

97 Publications (as listed on CHRI website)



Team Support: Project Manager Hired - Jaclyn Ostronic
Finance & Grants Coordinator Hired: Valarie Warner

Big Projects: Harvard HERO Study - application submitted
Children's Mercy - Genome Project Participant

OUTREACH & EVENTS

SOCIAL MEDIA

17,054 Impressions

9,530 engagements and 272 shares.

The Oct. CHRI feature in metroMAGAZINE shared on LinkedIn had **1,300** impressions, **35** reactions and **10** clicks



OUTREACH:

2 CHRI Leadership Visits to Children's Research Institute with Children's Mercy in Kansas City December 5 & 6, 2019 & February 19-20, 2020

EVENTS:

Pediatric Writing Workshop - CHMC August 16-17, 2019 and January 31 - February 1, 2020
Pediatric Cancer Research Group Symposium August 26-27, 2019
Virtual CHRI Pediatric Research Forum May 7-8, 2020

164 Members

68 in 2019, 96 in 2020

Members by Type

- 138 Full Members
- 10 Associate Members
- 13 Trainees
- 3 Affiliate Members

Members by Academic Institution

- 152 UNMC
- 3 UNL
- 6 Clinical Only (CHMC/NM)
- 3 Creighton

University of Nebraska Members by College/Institute

- Medicine: 122
- Nursing: 2
- Public Health: 6
- Pharmacy: 7
- Munroe Meyer Institute: 8
- Allied Health: 1
- Eppley Cancer Institute: 3
- Truhlsen Eye Institute: 1
- Engineering (UNL): 2
- Arts & Sciences (UNL): 1

MEMBERS BY COLLEGE / INSTITUTE

■ Medicine ■ Nursing ■ Public Health ■ Pharmacy ■ MMI ■ Allied Health ■ ECI ■ Arts & Sciences ■ Engineering

