

Health Care Transition

Transition Bootcamp

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Some of the Differences Between Pediatric & Adult Health Care Systems

Pediatric System

- Presumption that child lives within a family & physician works with both child and family to provide care.
- Presumption that the child is gradually learning to self-manage health.

Adult System

- Presumption that physician primarily works with the adult as an individual
- Presumption that the adult has the skills to adequately self-manage health and to negotiate the health care system
- Presumption that new knowledge & skills only needed when new conditions emerge

“Diseases of childhood are now considered diseases of childhood onset”

	1970's	2000's
Childhood Cancer	25% 5y survival	80% 5y survival
Congenital Heart	59% survival	85% survival
Cystic Fibrosis	7 years old	35 years old
Down Syndrome	20 years old	55 years old
Sickle Cell Disease	9 years old	46 years old
Spina Bifida	<20 years old	60+ years old

Definition of Adolescent Health Care Transition

- Transition is defined as:
 - “the purposeful, planned movement of adolescents and young adults with chronic physical and medical conditions from child-centered to adult-oriented health care systems.”
- Healthcare Transition \neq Transfer of Care
- Transition is a **Process**, not an Event
- Transition begins long before the actual transfer of care

(Society of Adolescent Medicine. *J Adol Health*. 1993;14:570-6.)

Where is the Medical Home?

Non-developmental diagnoses

- CHD – Cardiology
- HIV – Infectious Diseases
- Sickle Cell Disease – Hematology
- Type 1 Diabetes – Endocrinology
- Cystic Fibrosis – Pulmonology
- Juvenile Arthritis – Rheumatology
- Epilepsy - Neurology

Developmental Diagnoses

- ADHD
- Autism
- Cerebral Palsy
- Down syndrome
- Fetal Alcohol
- Intellectual disabilities
- Spina Bifida

Models of Medical Homes

1. *Generalist serves as primary manager*
with occasional specialty consultation

- Asthma
- ADHD
- Down syndrome

2. *Co-management relationship* with
close involvement of each provider

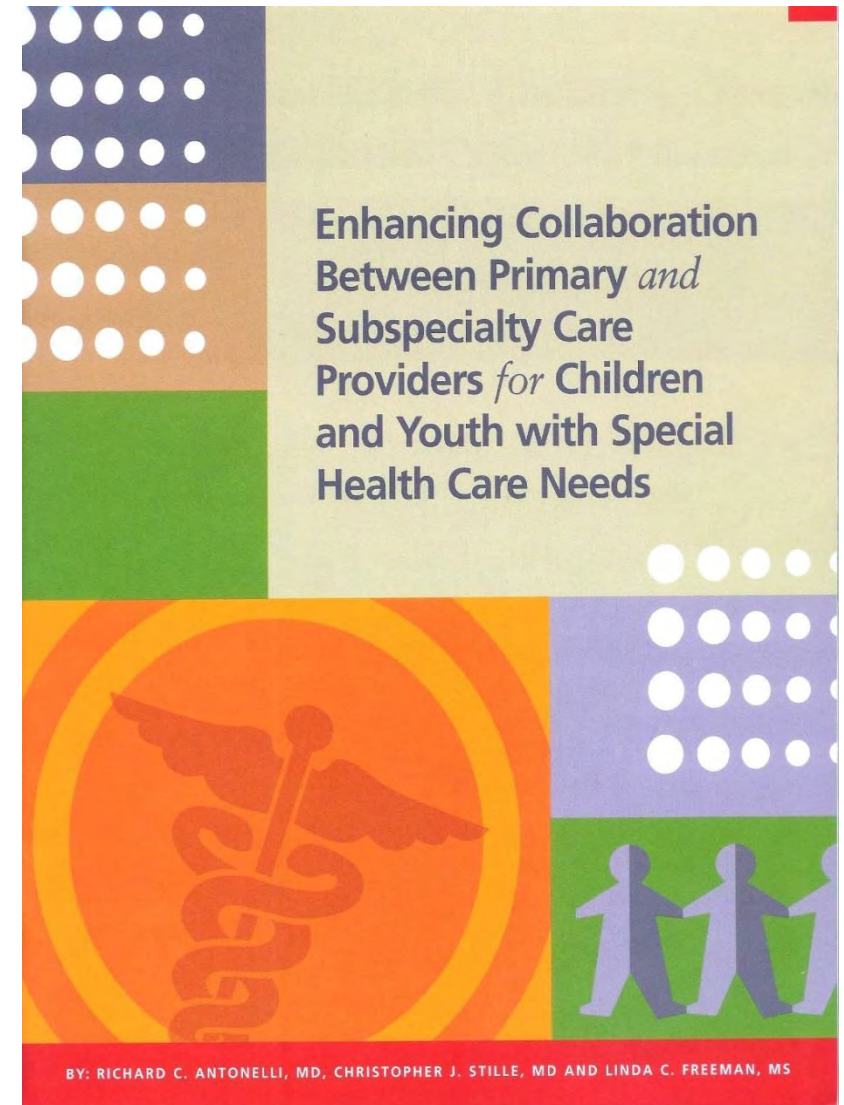
- CHD
- Type I Diabetes
- HIV
- Autism

3. *Sub-specialist serves as principal* care
provider for complex conditions

- Cerebral Palsy
- Spina Bifida
- Sickle Cell
- Intractable Epilepsy

Primary and Specialty Care Collaboration

- Funded by HRSA
- Based on Wagner Chronic Care Model and AAP Medical Home
- Discusses improved co-management of chronic disease by PCP and specialist
- “Shared Care”

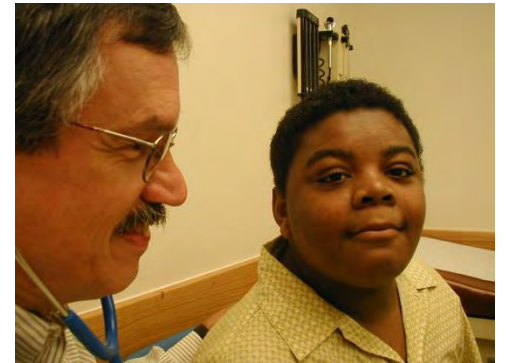


<http://gucchd.georgetown.edu/products/PrimarySpecialityCollaboration.pdf>

Antonelli RC, Stille CJ, Freeman, LC

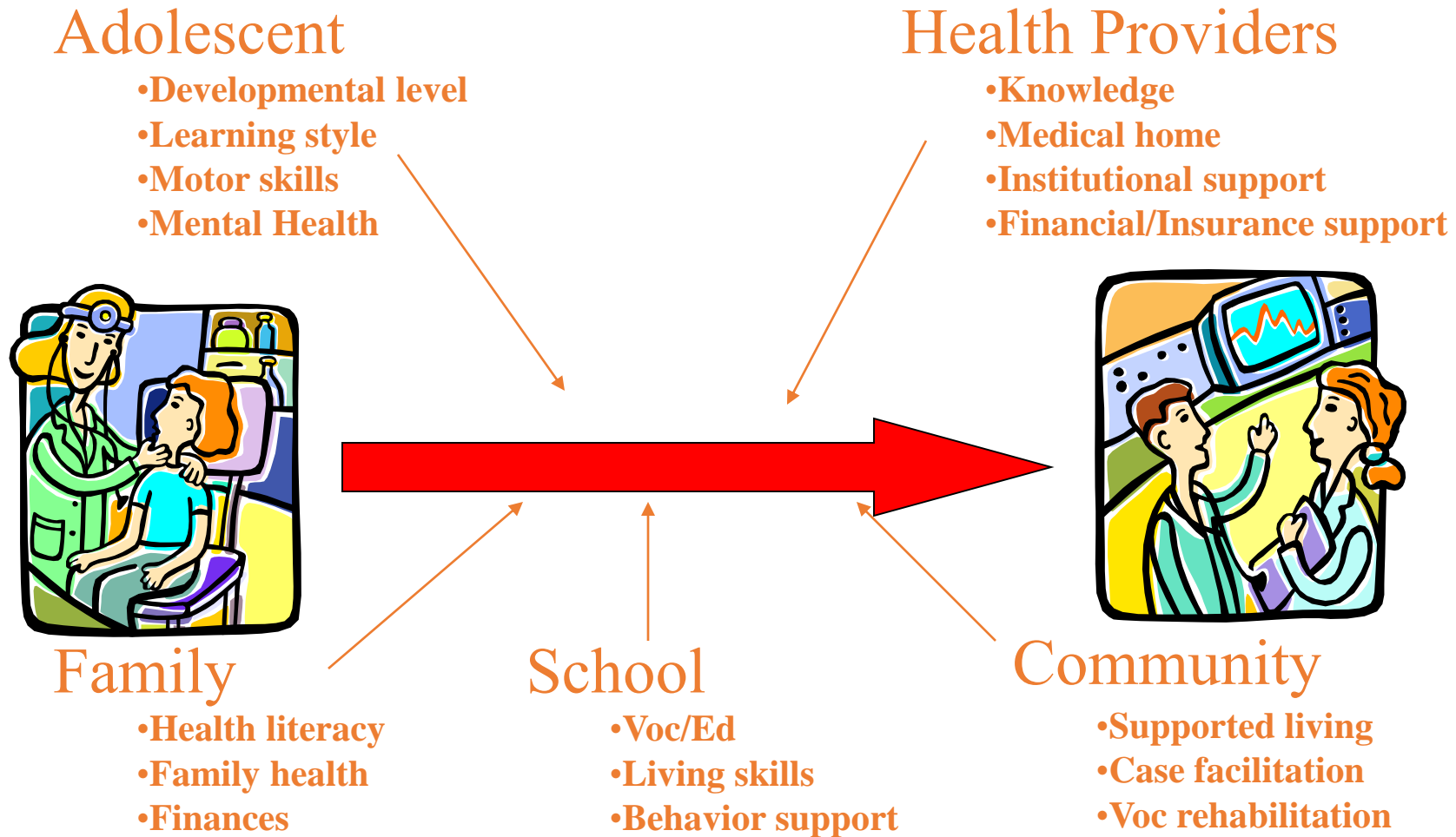
Simultaneous Transitions

- From pediatric child-centered care to adult oriented health services
- From living at home with family to living in the community
- From school to work
- Towards adult relationships



White. In: Batshaw, ed. Children with Disabilities, 2002

Healthcare Transition



Principles of Health Care Transition (When)

1. A planned coordinated approach is essential.
2. Transfer should occur at a time of disease stability.
3. When possible, the transferring and receiving teams should meet together with the patient and family.
4. The adolescent/young adult should be continuously encouraged to increase their self-reliance and self-care well prior to the anticipated transfer time.
5. Family should actively transition their roles from direct caregivers to advocates and supporters.
6. Professional sensitivity to psychosocial issues of disability.
7. Health education for the adolescent.
8. Family support.
9. Professional and environmental or institutional support for the concept of transition.

Pediatric Perspective

Age at Which Pediatricians Think Transition Should Begin		
Ages	Adolescents with Special Needs	Adolescents without Special Needs
<12 years	3%	2%
12-14 years	6	6
15-17 years	25	26
18-20 years	62	65
Don't Know	4	2

McManus et al. 2008

Pediatric Perspective

Barriers Affecting the Provision of Transition Services		
Barrier	Major %	Rank
Lack of available adult PCPs (Family Med or Internal Med)	41	1
Lack of available adult specialists	40	1
Lack of knowledge about or linkages to community supports	39	2
Lack of insurance reimbursement for transition services	38	2
Fragmentation of primary and specialty adult health care	39	2
Lack of sufficient staff time to provide transition services	36	2/3
Lack of pediatric staff skills in transition planning	33	3
Difficulty in breaking bond between pediatrician and pts	32	3
Lack of adolescent knowledge of condition or self-care skills	19	4

McManus et al. 2008

Adult Medicine Perspective

Barriers Affecting the Transfer to Adult Providers		
Barrier		Rank
Personal competence/Need for super-specialists		1
Not enough family involvement (especially for cerebral palsy, MR)		1
Families expect significant time/attention for care		1
End of life issues		1
Adolescent/young adults self-care skills and knowledge		2
Insurance concerns		2
Lack of staff skills in care for these patients		2
Lack of knowledge about or linkages to community supports		2
Inadequate transfer of medical information/records		2

Peter NG et al. 2009

Adult Medicine Perspective

Barriers Affecting the Transfer to Adult Providers		
Barrier		Rank
Internal medicine not paternalistic/ Worry patients lost to follow-up		2
Time consuming to care for chronically ill young patients		2
Literature on childhood illnesses mostly in pediatric journals		2
Colleagues unwilling to care for teenage patients		3
Confidentiality issues between young adults and parents		3
Pediatricians keep compliant patients and transfer non-compliant ones		3
Need to change treatment plan due to prior inadequate care		4
Young patients distrust staff		4
Pediatricians reluctant to let go		4

Parent Perspective

- 50% of surveyed parents who had a child with a chronic condition reported discussing transition with their pediatrician
- 21-30% had discussed changing to an adult-oriented health provider
- 30% had a plan in place for transition

(2001 National Survey of Children with Special Health Care Needs)

[Lotstein et al. Pediatrics. 2005. (n=5533) Scal P, Ireland M. Pediatrics. 2005. (n=4332)]

Adolescent Perspective

- Competing demands and interests
 - “I have to think about graduation right now”
 - Also mentioned work issues and inconvenience of multiple medical visits
- Struggle for autonomy
 - “I wish my parents would allow me to try...”
 - “I wish my doctor would let me choose...”
- Peer mentorship
 - “I wish there was an adult with my condition who I could talk to about...” (usually an adult subject)
- Chronic (illness) fatigue syndrome
 - “Just don’t want to think about it anymore”
 - Don’t want to “start all over again” and educate a new doctor
 - “The (adult-oriented) doctor gets mad if I tell him this is what works best for me”

(Reiss et al. Pediatrics. 2005; Patterson et al. Fam Community Health. 1999.)

Stages of Transition

- Envisioning a Future (diagnosis)
 - At the time of diagnosis
 - Maintaining a future orientation
- Age of Responsibility (pre-teen)
 - Self-care skills development
 - Decision-making rights and responsibilities
- Age of Transition (adolescence)
 - Practicing Interdependence
 - Formal “graduation” and transfer of care

Health Care Transition: Youth, Family, and Provider Perspectives

John G. Reiss, Robert W. Gibson and Leslie R. Walker

Pediatrics 2005;115;112-120

Finding Adult Providers

- Those with experience with adults and children have more comfort level with developmental conditions (Family Medicine & Med-Peds)
- Those who have at least one patient with the same diagnosis in their practice have more comfort level
- Those within health care systems that provide clinical decision support for generalists
- Those with personal experience as parents of children with special health care needs

Who Should Be The Adult Provider?

Who Is The Most Comfortable?

- Survey of Providers in SW Ohio
- Representative diagnoses were selected based on relatively common frequencies.
 - 9 conditions with developmental disabilities
 - 9 conditions without developmental disabilities
 - 2 control conditions
 - Asthma, essential hypertension
- Hypothetical patient was either 15, 21, or 27 years old
- Participants were asked to rate comfort level on a 5-point Likert scale based on providing “usual care.”
 - 1 = Very uncomfortable to 5 = Very comfortable
- Participants were also asked to rank how many patients with the given diagnosis they had seen in their practice in the last year
 - 0, 1-5, or >5
- 2150 providers identified from SW Ohio AMA Masterfile.

BACK SIDE

A 21-year-old established patient comes back to your office for a return visit with one of the childhood onset diseases in the list below. For each disease, please indicate how comfortable you would feel providing your usual care to this patient in conjunction with the patient's other specialists.						How many patients with this diagnosis have you seen in the last year?		
The patient is 21 years old with:	Very uncomfortable	Fairly uncomfortable	Neither Comfortable or Uncomfortable	Fairly comfortable	Very comfortable	None	1-5	>5
ADHD	1	2	3	4	5	0	1-5	>5
Asthma	1	2	3	4	5	0	1-5	>5
Autism	1	2	3	4	5	0	1-5	>5
Congenital Heart Disease	1	2	3	4	5	0	1-5	>5
Crohn's Disease	1	2	3	4	5	0	1-5	>5
Cystic Fibrosis	1	2	3	4	5	0	1-5	>5
Down Syndrome	1	2	3	4	5	0	1-5	>5
Epilepsy	1	2	3	4	5	0	1-5	>5
Essential Hypertension	1	2	3	4	5	0	1-5	>5
Fragile X syndrome	1	2	3	4	5	0	1-5	>5
Idiopathic Mental Retardation	1	2	3	4	5	0	1-5	>5
Juvenile Rheumatoid Arthritis	1	2	3	4	5	0	1-5	>5
Klinefelter's (47,XXY) Syndrome	1	2	3	4	5	0	1-5	>5
Marfan's Syndrome	1	2	3	4	5	0	1-5	>5
Paraplegia from a Spinal Cord Injury	1	2	3	4	5	0	1-5	>5
Sickle Cell Disease	1	2	3	4	5	0	1-5	>5
Spastic Quadriplegic Cerebral Palsy	1	2	3	4	5	0	1-5	>5
Spina Bifida	1	2	3	4	5	0	1-5	>5
Turner (45,XO) Syndrome	1	2	3	4	5	0	1-5	>5
Type I Diabetes Mellitus	1	2	3	4	5	0	1-5	>5

Comfort Level by Provider Type

	Pediatrics	Internal Med	Family Med	Med-Peds
Developmental	%	%	%	%
ADHD	79.2	51.0*	85.9^	90.3^
Autism	66.2	17.1*	32.5*^	35.5*^
Cerebral Palsy	62.8	32.1*	42.0*	71.0^
Down Syndrome	81.4	53.8*	68.7*^	83.9^
Fragile X	56.6	7.8*	19.1*^	64.5^
Klinefelter's	52.4	23.6*	32.1*	54.8^
Intellectual Disabilities	69.9	51.9*	66.0^	86.7^
Spina Bifida	63.2	21.9*	45.7*^	67.7^
Turner Syndrome	68.1	27.6*	40.4*^	64.5^

*p < 0.05 internal med, family med, or med-peds compared to pediatrics;

^p <0.05 family med or med-peds compared to internal med

Comfort Level by Provider Type

	Pediatrics	Internal Med	Family Med	Med-Peds
Medical	%	%	%	%
CHD	63.2	44.3*	48.5*	80.6^
Crohn's	57.6	70.8*	64.0	83.9*
Cystic Fibrosis	54.9	23.8*	27.2*	80.6*^
Epilepsy	86.6	84.0	84.6	93.6
JRA	50.0	35.8*	46.6	71.0*^
Marfan's	54.2	43.8	43.5	73.3^
Paraplegia	45.8	55.2	51.2	77.4^
Sickle Cell	53.5	50.9	43.8	77.4*^
Type I Diabetes	63.4	90.6*	78.5*^	100.0*

*p < 0.05 internal med, family med, or med-peds compared to pediatrics;

^p < 0.05 family med or med-peds compared to internal med

Comfort Level by Experience

	No patients	1-5 patients	> 5 patients	Test of Trend
	%	%	%	p-value
ADHD	20.0	54.6	88.1	<0.0001
Autism	11.5	39.7	88.2	<0.0001
Cerebral Palsy	20.0	67.0	93.3	<0.0001
Down Syndrome	32.9	75.9	97.6	<0.0001
Fragile X	13.2	52.5	100.0	<0.0001
Klinefelter's	25.6	71.4	100.0	<0.0001
Mental Retardation	27.4	67.5	88.1	<0.0001
Spina Bifida	26.2	61.1	85.7	<0.0001
Turner Syndrome	30.6	68.5	100.0	<0.0001

Helping Families Find New Providers

- Ask family advocacy groups, county board agency, local group home provider
- Transfer while still on family private insurance
- Insure information is transferred at/before first visit
- Adjust time of appointment according to person's needs (first vs. last appointment of day)
- Screen for physical access issues
- Provide resources to new provider (info on diagnosis)

Adolescent Self-Management Skills

- Self-care skills were identified by pediatrics, adult medicine, parents, and adolescents as critical to successful transition.
- In a Cincinnati survey, 80% of the adult providers felt the transferred adolescents lacked adequate self-care skills
- Functional knowledge is believed more important than book knowledge
- “Teach-back” assesses understanding

Charvat and Nebrig, 1998; Johnson CP, 2001.

Adolescent Self-Management Skills

- Cognitive level, learning disability, and health literacy can impact self-care abilities
- Many “typical appearing” adolescents with special health care needs have “hidden” learning disabilities
- Neuropsychological testing ideal but difficult to obtain
- Language testing, particularly higher level testing of pragmatic/social skills, can be enlightening

Self-Management vs “Shared Management”

- Not everyone can achieve full independence or “**self-management**”
- Maximizing autonomy, the ability to make decisions about one’s life (**Self-determination**)
- View the highest level of achievement is not independence but **effective interdependence**

(Kieckhefer 2000)

Adolescent Autonomy Checklist

Health Care Skills	Can Do Already	Needs Practice	Plan to Start	Accomplished
Understand health condition				
Perform self-care skills, i.e. bowel and bladder care				
Prepare questions for doctors, nurses, therapists				
Respond to questions from doctors, nurses, therapists				
Know medications and what they're for				
Get a prescription refilled				
Keep a calendar of doctor, dentist appointments				
Know height, weight, birthdate				
Learn how to read a thermometer				
Know health emergency telephone numbers				
Know medical coverage numbers				
Obtain sex education materials/birth control if indicated				
Discuss role in health maintenance				
Have genetic counseling if appropriate				
Discuss drugs and alcohol with family				
Make contact with appropriate community advocacy organization				
Take care of own menstrual needs and keep a record of monthly periods				

Medications

<u>Name</u>	<u>Dose</u>	<u>Frequency</u>	<u>Reason</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____



- Know your Medications, dosages, and frequency and carry a card in your wallet
- Adderall XR – take 1 capsule after breakfast

Sometimes it's hard to remember to take your medicine



Transition Support Services

Survey of 126 clinics identified as offering transition services to adolescents with special health care needs.

<u>Services Offered</u>	<u>%</u>	<u>Service Priorities</u>	<u>%</u>
Clinical/medical	78	Psychosocial well-being	95
Mental health	57	Chronic condition care	90
MH referral	37	Primary care needs	85
Case management	72	Family well-being	84
• Nurse or social worker		Vocational needs	56
		Teaching self-advocacy	25

Scal. *J Adol Health* 1999. 24:259-64.

Vocational/Educational Transitions

- Individuals with Disabilities Education Act 1990, Amendments 1997, Improvement Act 2004
- Individualized Education Programs (IEP) should include:
 - Transition planning starting by 16 years old
 - Student participation by 14-16 years old
 - Transition team (including community providers, vocational rehabilitation, health care providers) by 16 years old
 - Strategies to develop daily living and functional vocational skills which will support independent living and community participation.

Individuals with Disabilities Education Act (www.cec.sped.org/law_res/doc/law/law/index.php)

Transition Summary

Name _____ DOB _____ SS# _____

Address _____
Street City State Zip

Phone _____
Home Work Cell

Emergency Contact: _____ Relationship: _____ Phone: _____

Guardian/Medical Surrogate: _____ Relationship: _____ Phone: _____

Unique Communication/Cultural Needs: _____

Strengths/Assets: _____

Assistive Technology: _____

Primary Insurance: _____
Policy # Case Manager Phone #

Secondary Insurance: _____
Policy # Case Manager Phone #

Allergies: (meds & food) _____

Recent Lab, X-ray Findings: _____

Height: _____ Weight: _____ Dietary/Nutritional Needs: _____

Bowel Program: _____ Bladder Program: _____

Diagnosis	Managing Provider	Address	Phone
1.			
2.			
3.			
4.			
5.			

Current Medications	Current Medications
1.	5.
2.	6.
3.	7.
4.	8.

Current Therapies	Frequency	Provider	Contact Information
1.			
2.			
3.			

Information at Transfer of Care

- Portable medical record
 - Diagnoses
 - Medications
 - Allergies
 - Procedures
 - Important and/or most recent labs and rads
 - Equipment
 - Care providers
 - Community agencies

Family creates

- Clinical summary
 - Medical
 - Equipment
 - Procedures
 - Labs and Rads
 - Info on condition
 - Developmental
 - Psychosocial/Family
 - Vocational-educational
 - Community/financial resources

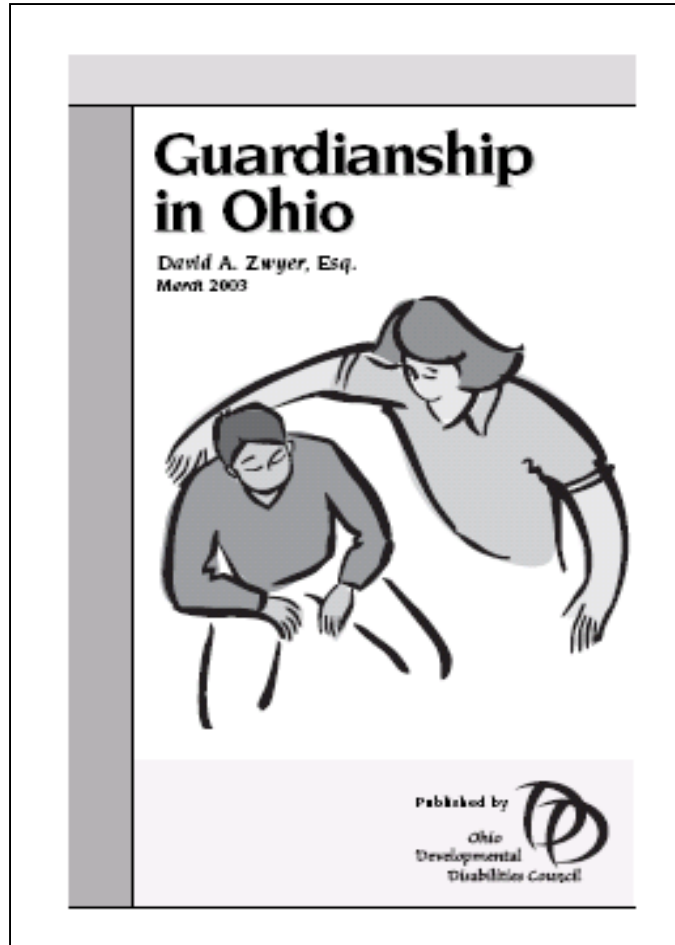
Provider creates

Transferring Care – The Basics

- Transfer occurs at the time of disease stability
- Many adolescents and parents believe the process should occur usually around 18-21 (19 average)*
- The process should take about 1 year
 - Refer, have initial visit, see back, feedback, fix problems
- Help family identify adult provider at the same level of service (i.e. specialist to specialist)
 - Accepts insurance (transfer when still on parents' insurance)
 - Will follow medical condition
 - Is located reasonably close to patient
- Provide appropriate medical summary

(Yi M, et al. 2007)

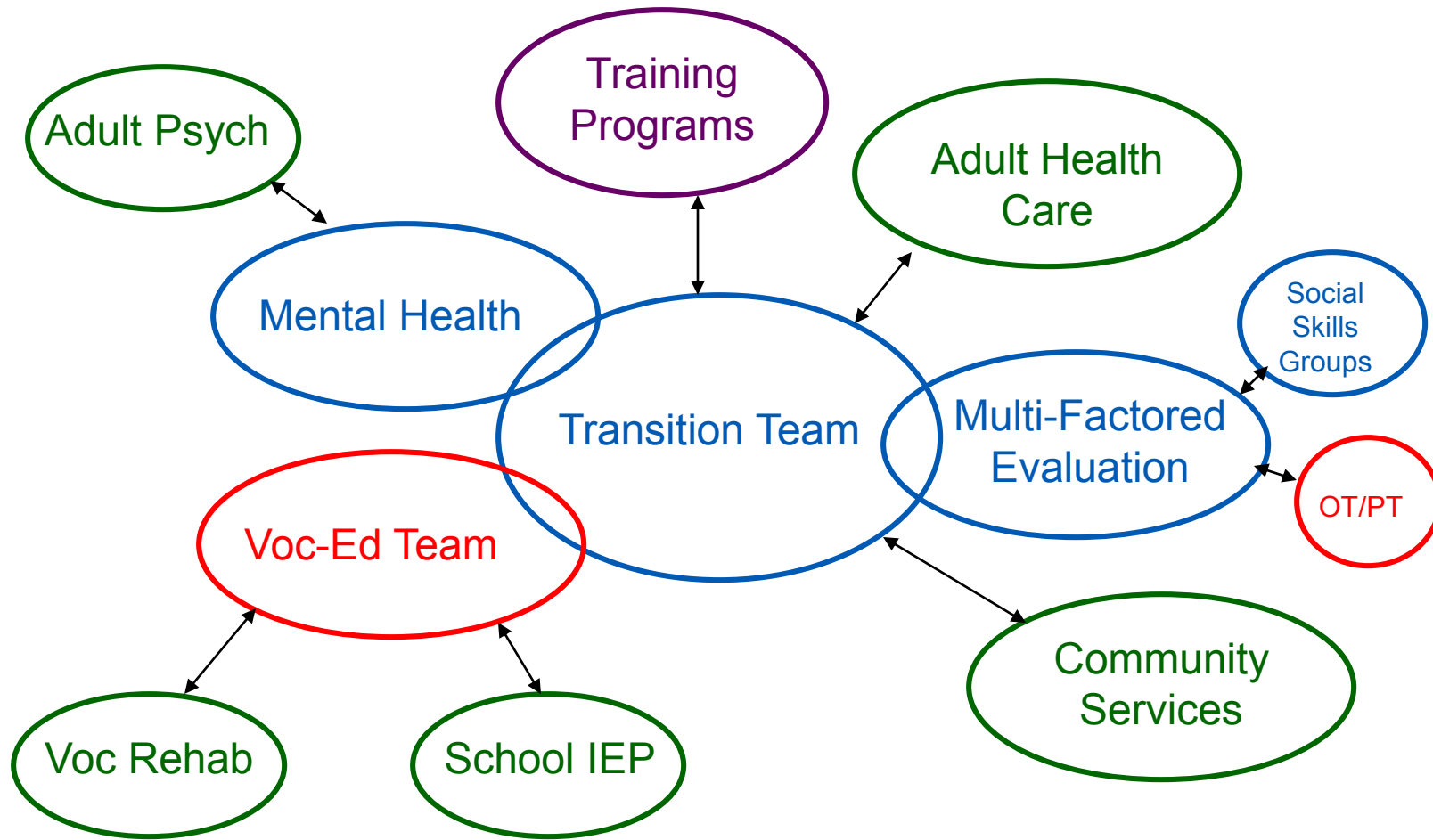
Guardianship



- Individuals automatically become their own guardian at age 18, regardless of disability.
- HIPAA has had a significant impact on advice regarding guardianship and/or health care proxies.
- Families should discuss if legal guardianship or alternatives to guardianship is needed for their adolescent, either long-term or temporarily as they develop independent living skills.

Health Care Insurance Considerations

- Private Insurance
 - Investigate insurance provisions for adult children with life-long economic dependency
 - Some would recommend maintaining private insurance as long as possible
- Medicaid- only coverage
 - May limit access to physicians and health care systems
- Dual eligibility for both Medicare and Medicaid



Sample Transition Clinic Services Schema

Conclusions

- Adolescents living to adulthood with childhood-onset chronic conditions will continue to increase in numbers
- Preparation is key to an optimal transition
 - Collaboration and communication between adult and pediatric care (and family) is needed
- Maximizing self-management skills of adolescents is paramount to success in the adult system
- Insurance and work/school issues play a significant (and often under-appreciated) role in transition and transfer of care
- Both primary and specialty care transfer must be considered
 - Time for an institutional-level evaluation and plan

Got Transition aims to improve transition from pediatric to adult health care through the use of new and innovative strategies for health professionals and youth and families.

News & Announcements

Got Transition Publishes Systematic Review on Transition

Got Transition has published a systematic review of pediatric-to-adult transition studies in the Journal of Pediatrics [more>](#)

SAHM's New Adolescent Medicine Resident Curriculum on Transition

The Society for Adolescent Health and Medicine (SAHM) has released a new Adolescent Medicine Resident Curriculum, with one of its ten core content modules dedicated to Transition to Adult Care. [more>](#)

New Tip Sheet Links 2017 Patient-Centered Medical Home Standards with Six Core Elements

Got Transition released a new tip sheet that cross-walks the Six Core Elements with the 2017 Patient-Centered Medical Home Standards from the National Committee on Quality Assurance (NCQA). [more>](#)

Standards for Systems of Care for CYSHCN Streamlined and Updated

AMCHP, in partnership with NASHP and the Lucile Packard Foundation for Children's Health, has released an updated Standards for Systems of Care for Children and Youth with Special Health Care Needs. [more>](#)

2017 Call for Abstracts: Health Care Transition Research Consortium

The International and Interdisciplinary Health Care Transition Research Consortium (HCTRC) has announced its Call for Abstracts for researchers to be presented at the 9th Annual HCTRC Research Symposium and the 4th Annual Mental Health Dialogue on Transition in Houston, Texas between October 3-5, 2017. The deadline for submissions is July 31, 2017. [more>](#)

The National Alliance to Lead Transition Payment Roundtable

The Lucile Packard Foundation for Children's Health recently funded The National Alliance to lead an expert committee of public and private payers and health plan leaders to develop

Health Care Providers

Find out about how to implement health care transition quality improvement in your practice or plan using the new Six Core Elements of Health Care Transition (2.0). Download accompanying clinical resources and measurement tools for use in any setting.



Customize the Six Core Elements of Health Care Transition to meet your patients' and practice's needs!

New Tip Sheet Linking 2017 Patient-Centered Medical Home Standards with Six Core Elements

See our Health Care Transition Resources page

Youth & Families

Hear what young adult and parent experts have to say about common transition questions and discover new resources to make this process work easier.



Turning 18: What it Means for Your Health

The "Medical ID" Feature on Apple's Health app

The "Medical ID" app for Android phones

¡Nueva traducción al español de las preguntas más frecuentes sobre jóvenes y familias!

Researchers & Policymakers

Find new transition policy developments, research and measurement approaches, and federal and state transition initiatives.



2017 Report on Innovative State Title V Transition Efforts

State Title V Transition Information and Resources