

Achieving Quality Child Care

Quality care is achieved by both regulatory and non-regulatory approaches. However, licensing provides the threshold or floor of quality below which no program should be permitted to operate. Other regulatory approaches toward achieving quality

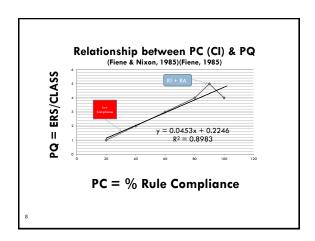
Credentialing: A formally recognized process of certifying an individual as having fulfilled certain criteria or requisites. (PD)
Purchase of Regulation by contract in which performance standards are imposed as a contractual obligation. (PQ - QRIS)

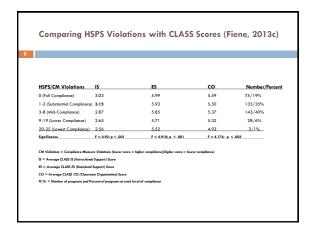
Accreditation:
The formal recognition that an agency or organization has compiled with the requisites for accreditation by an accrediting body. Accreditation usually requires the organization seeking this form of recognition to pay for the cost of the process. The organization bestowing the accreditation has no legal authority to compel compliance. It can only remove accreditation. (PQ)

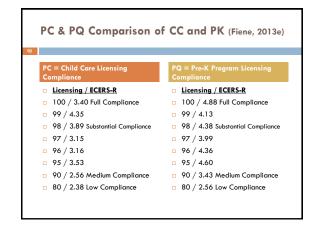
Best Practices: Through affiliation with professional organizations, an agency becomes aware of "best practices" and establishes its own goals to achieve a higher level of care services. (PQ - CFOC)

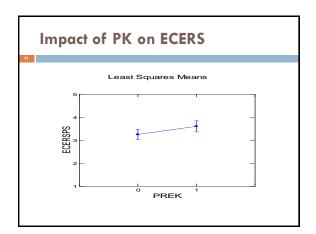
Non-regulatory approaches to achieving quality care in human services facilities or programs

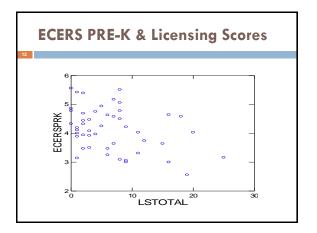
Consultation
Consumer Education
Peer Support Associations
Professional Organizations
Resource and Referral
Technical Assistance
Mentoring/Coaching
Training-Staff Development

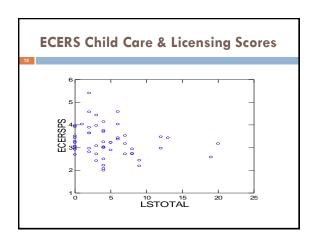


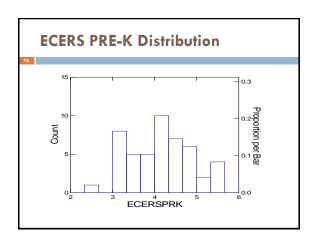


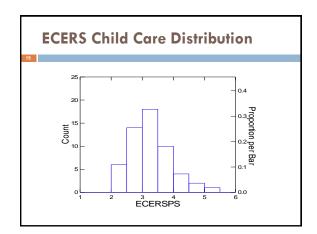


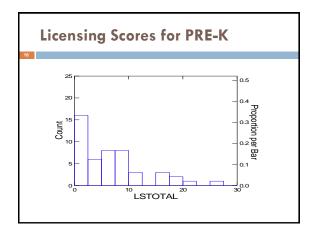


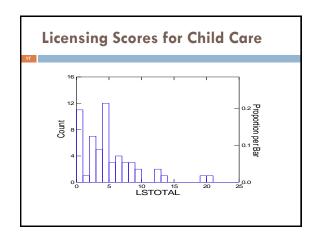


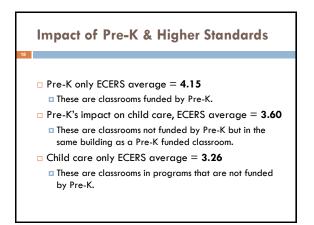


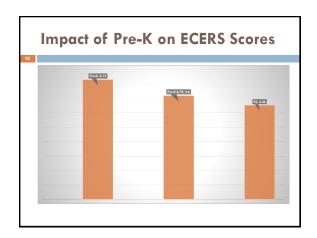


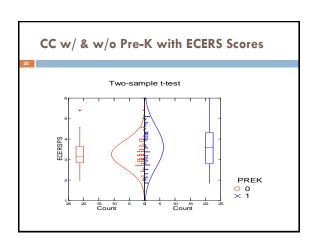


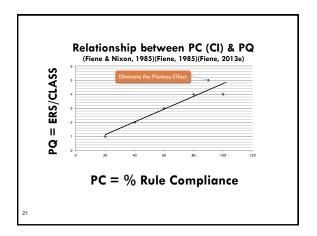


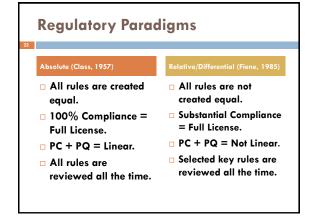


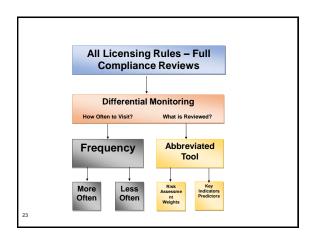


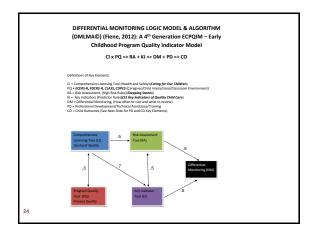


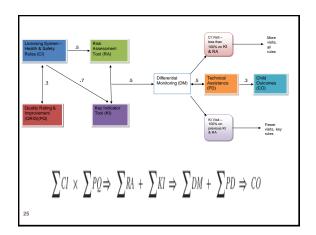


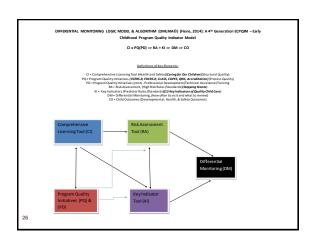


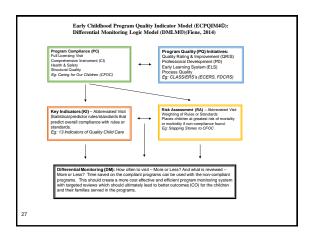


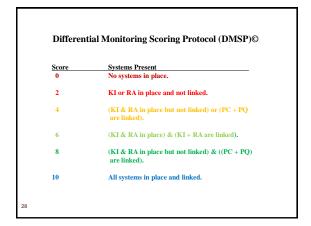


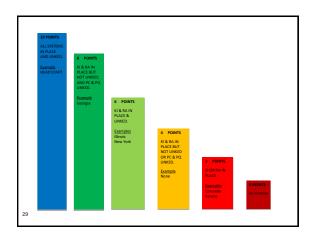




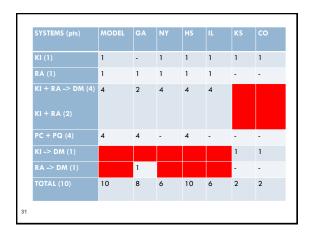


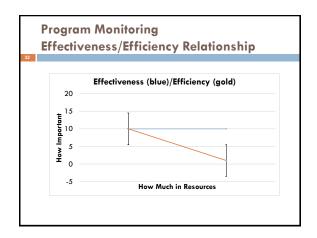


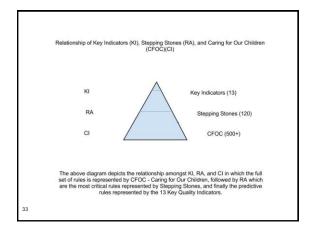


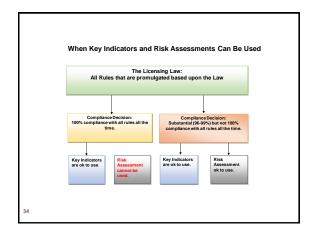


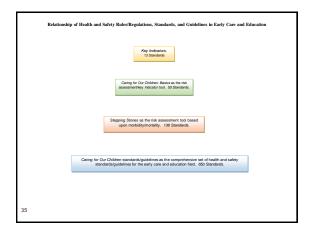
Score	Systems Present and Point Assignment
0	No systems in place.
2	(KI (1)) & (KI -> DM (1)) or ((RA (1)) & (RA -> DM (1))
4	$(PC+PQ\ (4))$ or $(KI\ (1)\ \&\ (KI->DM\ (1))\ \&\ (RA\ (1)\ \&$
	$(RA \rightarrow DM (1))$
6	(KI + RA -> DM (4)) & (KI (1)) & (RA (1))
8	(KI(2) & RA(2)) & (PC + PQ(4)).
10	(KI + RA -> DM (4)) & (KI (1)) & (RA (1)) & (PC + PQ (4))





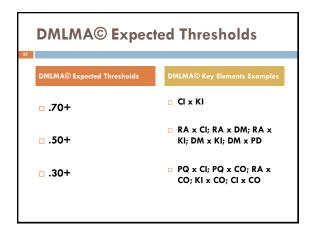


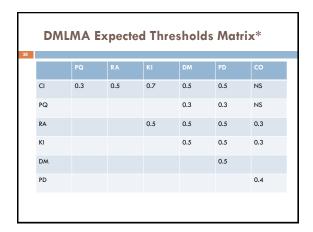




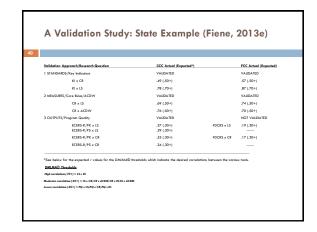
Validation Approaches (Zellman & Fiene, 2012)

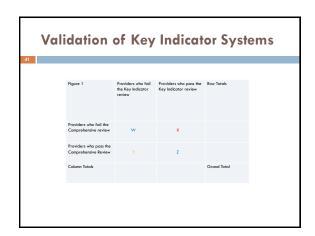
First Approach (Standards)
CI x Caring for Our Children/Stepping Stones/13 Key Indicators of Quality Child Care
Second Approach (Measures)
CI x RA + KI x DM
Third Approach (Outputs)
PQ x CI
Fourth Approach (Outcomes)
CO = PD + PQ + CI + RA + KI

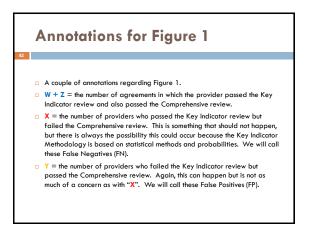


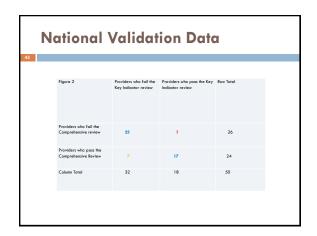


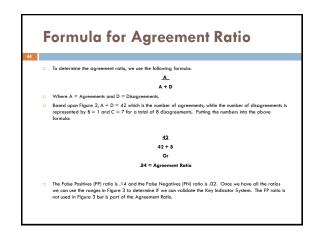
Interpretation of Inter-Correlations Based upon recent research, the relationships between H&S (CI)(PC) and QRIS (PQ) standards and Child Outcomes (CO) is difficult to find significance. The relationship between Professional Development (PD) and staff interactions with Child Outcomes (CO) appear to be the significant relationship that should be explored as a Quality Intervention. If we want to explore H&S and QRIS standards significant relationships we may need to look at children's health & safety outcomes.

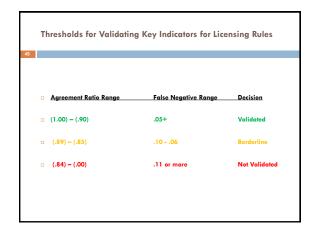


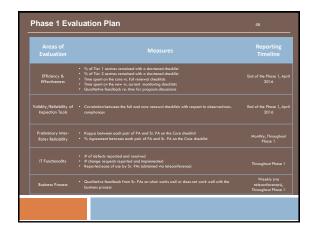


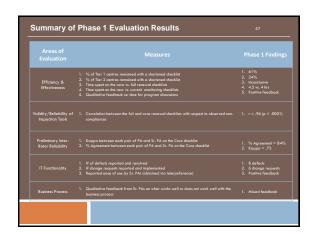


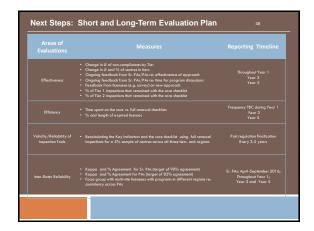












Differential Monitoring Model

- Key Elements
 - Program Compliance (PC) generally represented by a state's child care licensing health & safety system or at the national level by Caring for Our Children.
 - Program Quality (PQ) generally represented by a state's QRIS, or at the national level by Accreditation (NAEYC, NECPA), Head Start Performance Standards, Environmental Rating Scales, CLASS, etc..
 - Risk Assessment (RA) generally represented by a state's most critical rules in which children are at risk of mortality or morbidity, or at the national level by Stepping Stones.

Differential Monitoring Model (cont)

- Key elements (continued)
 - Key Indicators (KI) generally represented by a state's abbreviated tool of statistically predictive rules or at the national level by 13 Indicators of Quality Child Care and NACCRRA's We CAN Do Better Reports.
 - □ Professional Development (PD) generally represented by a state's technical assistance/training/professional development system for staff.
 - Child Outcomes (CO) generally represented by a state's Early Learning Network Standards.

Differential Monitoring Benefits

- Differential Monitoring (DM) benefits to the state are the following:
 - Systematic way of tying distinct state systems together into a cost effective & efficient unified valid & reliable logic model and algorithm.
 - Empirical way of reallocating limited monitoring resources to those providers who need it most.
 - Data driven to determine how often to visit programs and what to review, in other words, should a comprehensive or abbreviated review be completed.

Program Compliance/Licensing (CI)(PC)

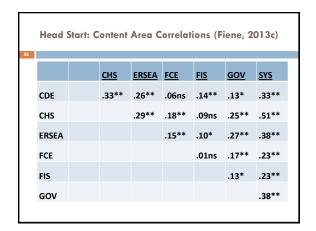
- These are the comprehensive set of rules, regulations or standards for a specific service type.
- □ Caring for Our Children (CFOC) is an example.
- ☐ Head Start Performance Standards is an example.
- Program meets national child care benchmarks from NACCRRA's We CAN Do Better Report.
- No complaints registered with program.
- Substantial to full compliance with all rules.

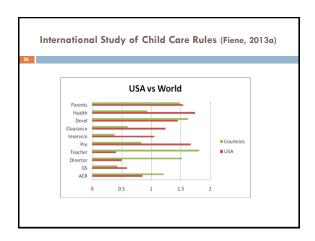
Advantages of Instrument Based Program Monitoring (IPM)

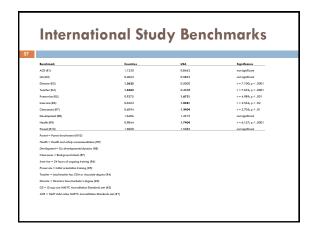
- Cost Savings
- Improved Program Performance
- Improved Regulatory Climate
- Improved Information for Policy and Financial Decisions
- Quantitative Approach
- State Comparisons

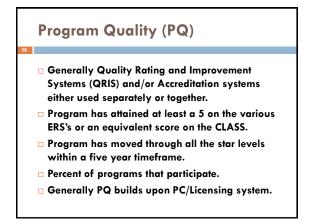
State Example of Violation Data (Fiene, 2013d)

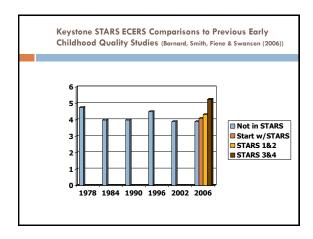
	Centers			
	Violations*	Number	Violations*	Number
1	9.30	109	2.42	117
2	8.32	191	4.63	120
3	5.31	121	3.94	138
4	5.57	61	3.02	125
* = Average (Means)				
Violation Data in Centers and Homes by Type of Licensing Inspection License Type	Centers		Homes	
	Centers Violations*	Number	Homes Violations*	Number
		Number 36		Number 20
License Type	Violations*		Violations*	
License.Type.	Violations*	36	Violations*	20
License Type	Violations* 7.44 7.07	36 368	Violations* 3.35 3.53	20 469
Lissnus Type Listical Berawol Amendment	7.44 7.07 9.51	36 368 55	Violations* 3.35 3.53 4.00	20 469 2

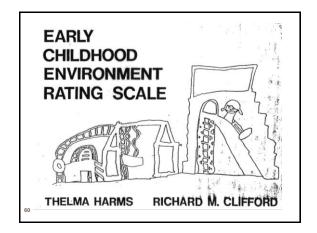


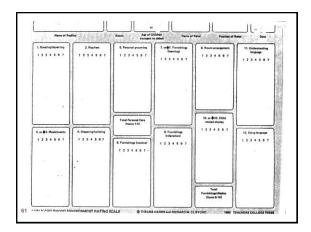


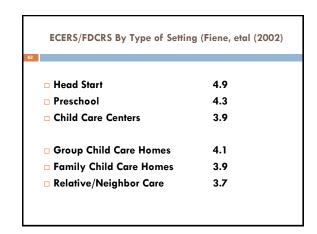


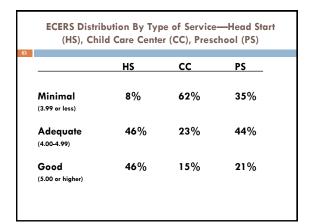


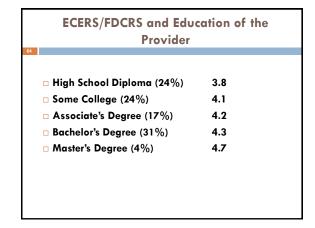


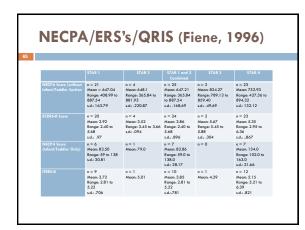










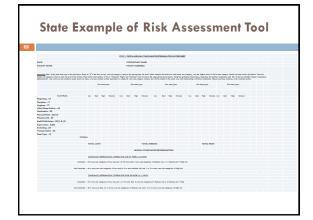


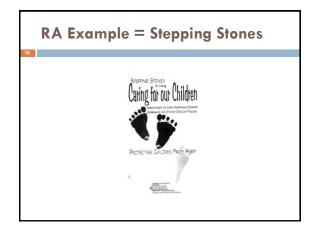
PC/PQ Conceptual Similarities

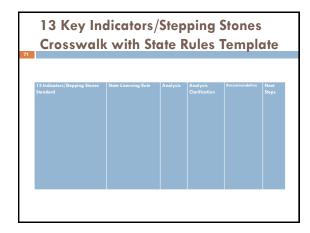
100% Compliance with child care health & safety rules = QRIS Block System.
Substantial but not 100% Compliance with child care health & safety rules = QRIS Point.
Both Licensing (PC) and QRIS (PQ) use rules/standards to measure compliance. Licensing rules are more structural quality while QRIS standards have a balance between structural and process quality.

Determining Compliance Risk assessment --Identify requirements where violations pose a greater risk to children, e.g., serious or critical standards --Distinguish levels of regulatory compliance --Determine enforcement actions based on categories of violation --Stepping Stones to Caring for Our Children is an example of risk assessment (AAP/APIA/NRC, 2013) Key indicators --Identify a subset of regulations from an existing set of regulations that statistically predict compliance with the entire set of regulations --Based on work of Dr. Richard Fiene (2002) -- 13 indicators of quality ---"Predictor rules" National Center on Child Care Quality Improvement, Office of Child Care

Risk Assessment (RA) are those rules which place children at greatest risk of mortality or morbidity. Stepping Stones is example of Risk Assessment Tool and Approach. When Risk Assessment (RA) and Key Indicators (KI) described in next slide are used together, most cost effective and efficient approach to program monitoring. 100% compliance with RA rules.







Key Indicators (KI)(Fiene & Nixon, 1985)

Key Indicators are predictor rules that statistically predict overall compliance with all rules.

13 Indicators of Quality Child Care is an example of this approach.

Most effective if KI are used with the Risk Assessment (RA) approach described on the previous slide.

Must be 100% compliance with key indicator rules.

Advantages of Key Indicators

- □ Quality of Licensing is maintained.
- □ Balance between program compliance and quality.
- □ Cost savings.
- □ Predictor rules can be tied to child outcomes.

Pre-Requisites for Key Indicators

- Licensing rules must be well written, comprehensive, and measureable.
- ☐ There must be a measurement tool in place to standardize the application and interpretation of the rules.
- At least one year's data should be collected.

How to Develop Key Indicators

- □ Collect data from 100-200 providers that represent the overall delivery system in the state.
- Collect violation data from this sample and sort into high (top 25%) and low (bottom 25%) compliant groups.
- □ Statistical predictor rules based upon individual compliance.
- Add additional rules.
- Add random rules.

Criteria for Using Key Indicators

- The facility had:
 - A regular license for the previous two years
 - □ The same director for the last 18 months
 - No verified complaints within the past 12 months
 - The operator has corrected all regulatory violations citied within 12 months prior to inspection
 - A full inspection must be conducted at least every third year
 - Not had a capacity increase of more than 10 percent since last full inspection
 - A profile that does not reveal a pattern of repeated or cyclical
 - No negative sanction issued within the past 3 years

Key Indicator Systems Summary

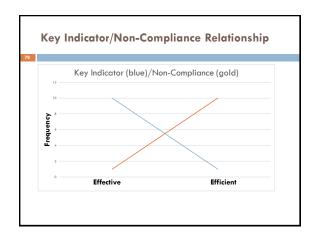
<u> 1980 - 2010</u>

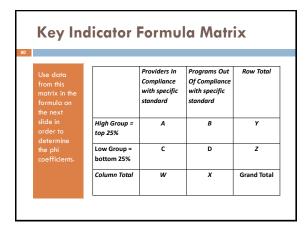
Time savings only.

- Child care mostly.
- Child care benchmarking.
- Substantial compliance. Safeauards.
- Tied to outcomes study.
- Adult residential PA.
- Child residential PA.
- Risk assessment/weighting.

- 2011+
- Time and cost savings.
- All services.
- Benchmarks in all services.
- CC national benchmarks.
- Safeauards.
- Tied to outcomes study.
- National benchmarks.
- Inter-National benchmarks. Risk assessment/DMLMA.

Relationship of Comprehensive Reviews (CR) to Key Indicator (KI) or Risk Assessment (RA) Rule Non-Compliance Risk to Children





Key Indicator Matrix Expectations

- $\square A + D > B + C$
- \triangle A + D = 100% is the best expectation possible.
- □ If **C** has a large percentage of hits, it increases the chances of other areas of non-compliance (False positives).
- □ If **B** has a large percentage of hits, the predictive validity drops off considerably (False negatives).

Key Indicator Statistical Methodology

 $\phi = (A)(D) - (B)(C) \div \sqrt{(W)(X)(Y)(Z)}$

- A = High Group + Programs in Compliance on Specific Compliance Measure.
 B = High Group + Programs out of Compliance on Specific Compliance Measure.
 C = Low Group + Programs in Compliance on Specific Compliance Measure.
 D = Low Group + Programs out of Compliance on Specific Compliance Measure.

- W = Total Number of Programs in Compliance on Specific Compliance Measure.
 X = Total Number of Programs out of Compliance on Specific Compliance Measure
 Y = Total Number of Programs in High Group.
 Z = Total Number of Programs in Low Group.

Key Indicator Coefficient Ranges

KI Coefficient Range Characteristic of Indicator Decision (+1.00) - (+.26)Good Predictor - Licensing Include (+1.00) - (+.76)Good Predictor - QRIS Include (+.25) - (-.25)Unpredictable - Licensing Do not Include (+.75) - (-.25)Unpredictable - QRIS Do not Include (-.26) - (-1.00) **Terrible Predictor** Do not Include

Examples of Key Indicator Applications

Health and Safety Licensing Key Indicators.

Stepping Stones Key Indicators

Office of Head Start Key Indicators.

Accreditation Key Indicators - NECPA - National Early Childhood Program Accreditation.

Environmental Rating Scale Key Indicators - Centers.

Environmental Rating Scale Key Indicators - Homes.

Caregiver Interaction Scale Key Indicators.

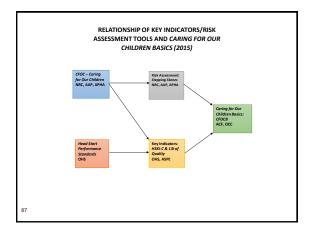
Quality Rating & Improvement System Key Indicators - QualiStar.

□ Footnote: Child & Adult Residential Care Key Indicators.

□ Footnote: Cruising Industry in general and Royal Caribbean in particular.

Examples of Health & Safety Key Indicators (Fiene, 2002a, 2003, 2007, 2013, 2014) Program is hazard free in-door and out-doors. Adequate supervision of children is present. Qualified staff. CPR/First Aid training for staff. Hazardous materials are inaccessible to children. Staff orientation and training. Criminal Record Checks. Ongoing monitoring of program Child immunizations

Caring for Our Children Basics (2015) Stepping Stones 3 (2013) Senate Bill 1086 (2014) Notice for Proposed Rule Making to Amend CCDF Regulations (2013) 27 Indicators from Head Start Program Standards (2014) 15 Key Indicators from Stepping Stones 3 (Fiene)(2013) 77 Observable Health and Safety Standards for Early Care and Education Providers from Caring for Our Children (Alkon)(2014)

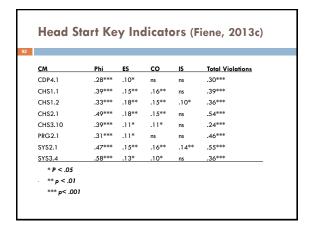


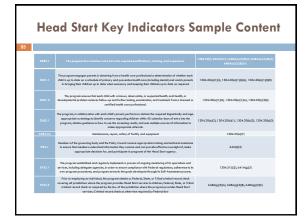
Federal Legislation In the House of Representatives, U. S., September 15, 2014. Resolved, That the bill from the Senate (S. 1086) entitled "An Act to reauthorize and improve the Child Care and Development Block Grant Act of 1990, and for other purposes.", do pass with the following □ SECTION 1. SHORT TITLE. 1 This Act may be cited as the "Child Care and Development Block Grant Act of 2014".

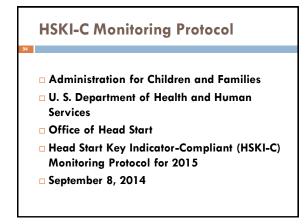
QRIS Key Indicators — CO. QualiStar The program provides opportunities for staff and families to get to know one another. Families receive information on their child's progress on a regular basis, using a formal mechanism such as a report or parent conference. Families are included in planning and decision making for the program.



Development of Head Start Key Indicators Interest in streamlining the monitoring protocol – Tri-Annual Reviews. Selected a representative sample from the overall Head Start data base. The Head Start monitoring system is an excellent candidate for developing key indicators and differential monitoring system: Highly developed data system to track provider compliance history. Well written, comprehensive standards. Monitoring Protocols in place for collecting data. Risk assessment system in use. Program quality (CLASS) data collected. Example of a national system using key indicators. Head Start has all the key elements present from the Differential Monitoring Model as presented earlier.







Conceptual Similarities Between Licensing & QRIS and Key Indicator Methodology

100% Compliance with child care health & safety rules = QRIS Block System. Cannot use Key Indicators.

Substantial but not 100% Compliance with child care health & safety rules = QRIS Point. Can use Key Indicators.

Both Licensing and QRIS use rules/standards to measure compliance. Licensing rules are more structural quality while QRIS standards have a balance between structural and process quality. Both rules and standards can be used within the Key Indicator methodology.

CIS

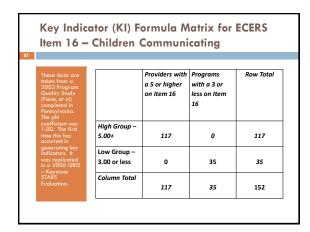
Item 5 - Excited about Teaching
Item 7 - Enjoys Children
Item 12 - Enthusiastic

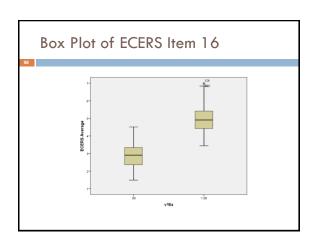
FDCRS

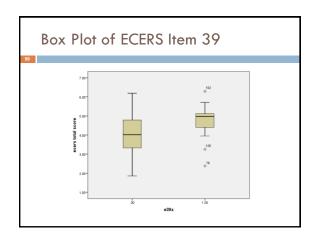
Item 4 - Indoor Space Arrangement
Items 14b, 15b, 16 - Language
Item 18 - Eye hand Coordination

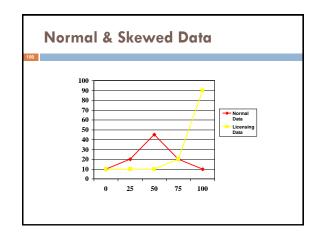
ECERS

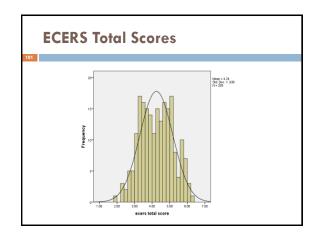
Item 16 - Children Communicating
Item 31 - Discipline

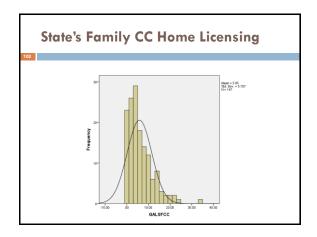


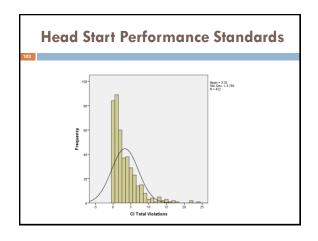


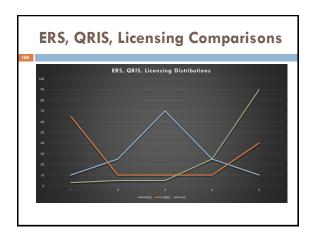












Dichotomization & Skewed Data

- When data are extremely skewed as is the case with licensing data, dichotomization of data is warranted.
- Skewed licensing data has a strong possibility of introducing very mediocre programs into the high group which will make it difficult to always identify the best programs.
- It is much easier to identify problem programs in a skewed data distribution.

Differential Monitoring Options

- Poward good compliance
- □ -Abbreviated inspection if no serious violations, for a period of time
- –Fewer full compliance reviews if compliance record is strong
- •Response to non-compliance:
- –Additional monitoring visits
- –Technical assistance
- •The number of core rule categories cited and the assigned risk level determines the annual compliance level. (Georgia)
- Determine how often particular rules are included in inspections. Rules that pose the most risk of harm to children if violated are reviewed during all inspections. (Virginia)

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Provider Outcomes to Determine Differential Monitoring (DM)

- □ Fully licensed substantial/full compliance.
- □ Potentially accredited (NAEYC/NECPA).
- Highest star rating.
- Cost effective and efficient delivery system.
- □ Little turnover of staff and director.
- □ Fully enrolled.
- □ Fund surplus.
- The above results determine the number of times to visit & what to review and resources allocated.

Differential Monitoring (DM) Allocation: An Example

- □ Absolute System One size fits all.
 - 25% of providers need additional assistance & resources.
 - Other 75% receive the same level of monitoring services without differential monitoring based upon past compliance history. No additional services available.
- □ Relative System Differential Monitoring.
 - 25% of providers need additional assistance & resources.
 - 25% have a history of high compliance and are eligible for Key Indicator/Abbreviated Monitoring visit. Time saved here is reallocated to the 25% who need the additional assistance & resources.
 - 50% receive the same level of monitoring services because they are not eligible for Key Indicators nor are they considered problem providers.

Monitoring Tools

- 26 States use differential monitoring
- □ Increased from 11 States in 2005
- Most States report using abbreviated compliance forms
- Nearly all States provide technical assistance during monitoring activities
- □ 45 percent report assisting facilities to improve quality beyond licensing regulations

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Program Monitoring Questions?

- □ Generalist versus Specialists Assessors.
- □ General (SS3) versus Special Standards (Licensing, QRIS, HSPS).
- □ How Key Indicators can be used?
 - KI = Generalists.
 - □ CI = Specialists.
- □ Based upon approach from previous slide, discussion should be generalist + specialist rather than generalist or specialist.

Differential Monitoring (DM) Example (Fiene, 2013e)

Math Model for Computing ACR

 \Box CH = (NC (TH+TO)) / 2) / (1/TA)

Where:

- □ CH = Contact Hours
- NC = total number of children on the maximum enrollment day.
- TO = total number of hours the center is open.
- TH = total number of hours at full enrollment.
- □ TA = total number of teaching staff.

Professional Development (PD) (Fiene, 1995, Fiene, etal, 1998)

- □ All staff have CDA or degrees in ECE.
- □ Director has BA in ECE.
- □ All staff take 24 hours of in-service training/yr.
- □ Mentoring of staff occurs.
- □ Training/PD fund for all staff.
- □ Professional development/training/technical assistance (PD) linked to Differential Monitoring (DM) results.

Capital Area Early Childhood Training Institute

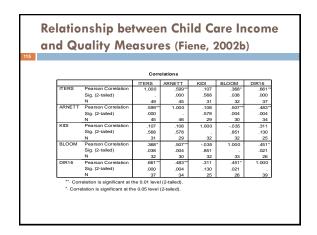
Mentoring

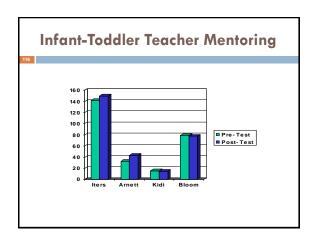
Individualized, on-site support to help child care staff implement the knowledge and skills they are receiving in classroom instruction.

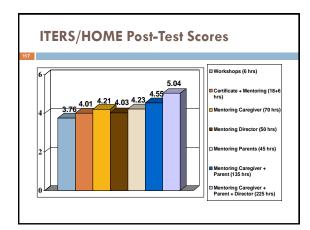
Benefits:

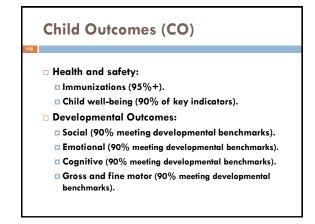
- Building relationships.
- Effecting long term change in best practices.
- Providing a support system.











	Quality	Training	Accreditation	Licensing
Slosson	.23*	.33*/.34*	.29*/ .30*	.19
CBI-INT	.25*	.15/ .14	.41*/.21*	.08
TELD	.09	.28*/.22*	.31*/ .35*	.22*
ALI	.44*	.01/.11	.13/.04	.06
PBQ	.37*	.32*/.23*	.44*/.40*	.29*
CBI-SOC	.26*	.21* /.20*	.19/ .23*	.18

20	Key Element ECPQIM/DMLMA Publication Summary
20	
	□ PC = Caring for Our Children (AAP/APHA/NRC, 2012).
	 PQ = National Early Childhood Program Accreditation (NECPA)(Fiene, 1996).
	RA = Stepping Stones (NRC, 2013).
	□ KI = 13 Indicators of Quality Child Care (Fiene, 2002a).
	□ DM = International Child Care & Education Policy (Fiene, 2013a).
	□ PD = Infant Caregiver Mentoring (Fiene, 2002b).
	 CO = Quality in Child Care: The Pennsylvania Study Kontos & Fiene, 1997).

Outstanding Issues

- Process versus Structural Quality
 Indicators
- □ Input/Processes versus Output/Outcomes
- □ Impact of Pre-K and QRIS on Licensing
- Inter-rater reliability still is a big issue contributing to inconsistent data collection.

Methodological Issues

- The need for states to routinely conduct reliability testing is vitally important to make sure that their licensing staff/inspectors are consistently measuring rules.
- The balancing between program compliance and program quality.
- Determining the most effective and efficient threshold is critical because as one becomes more efficient a loss of effectiveness does occur which can lead to an increase in false positives and negatives.

Lessons Learned

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- We have learned how to deal more effectively with very skewed data through dichotomization grouping of a high versus a low compliant groups.
- Risk assessment only focuses on compliance and high risk rules which generally are always in compliance.
- Key indicators focus on high and low compliance differences with these rules generally being somewhere in the middle range, not in compliance the majority of the time nor out of compliance the majority of the time.
- It continues to be a fact that all rules are not created equal nor are they administered equally.
- Most recently we have seen that when higher standards are applied, especially with Pre-K initiatives, this goes a long way in helping to discriminate the top performers from the mediocre performers.

Future Research



- The crucial need for future research in the human services licensing and regulatory compliance area is for validation studies of the above approaches, Key Indicators and Risk Assessment methodologies to make certain that they are working as they should.
- Another validation study is needed regarding the relationship between program compliance and program quality. This is such an important finding about the plateau of program quality scores with increasing regulatory compliance as one moves from substantial compliance with all rules to full compliance with all rules.
- A clear delineation needs to occur to establish appropriate thresholds for the number of key indicator/predictor rules that provide a balance between efficiency and effectiveness that can diminish the number of false positives and especially false negatives.

Concluding Thoughts

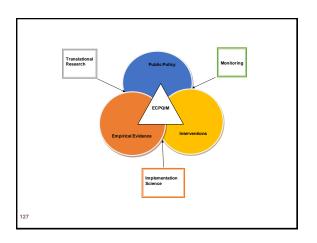
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- □ The relationship between regulatory compliance and quality is not linear
- Regulatory compliance has difficulty in distinguishing the best programs from the mediocre program
- Regulatory compliance is very effective at identifying the worse programs.
- There still is the need to balance regulatory compliance with quality indicators.
- There is the need to validate differential monitoring approaches, such as risk assessment and ke indicators.
- What is the ideal threshold for the number of key indicator/predictor rules so that we can maintain a balance of program monitoring effectiveness and efficiency.
- Risk assessment rules are usually in compliance because they place children at such risk of mortality or morbidity.
- More recent risk assessment systems have two components: severity and probability of occurrence
- Key indicator/predictor rules are not usually in compliance but are not out of compliance a great deal.
- What is it about key indicator/predictor rules that make them so effective in discriminating between high and low performing programs.
- Licensing data are very skewed and because of this there is the need to dichotomize the data.
- There is very little variance in licensing data with generally only 20 rules separating the top compliant programs from the lowest compliant programs.

Core Indicators – Final Thoughts



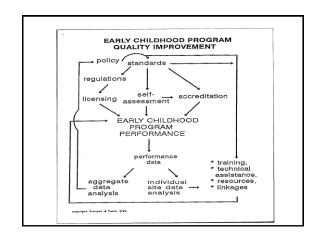
- □ Childhood Immunizations (PC)
- □ Director & Teacher Qualifications (PC, PQ)
- Mentoring/Coaching (PQ/PD)
- □ Family Engagement (PQ)
- Social-Emotional & Language
 Learning/Competencies (ELS, PD)



Early Childhood Program Quality Indicator
Model (ECPQIM) Evolution

| Nixon Veto of Comprehensive Child Development Bill 1971. (ECPQIMO)
| FIDCR Moratorium 1981. (ECPQIM1)
| Reagan Block Grant Formula 1983. (ECPQIM1)
| CCDBG enacted 1991. (ECPQIM2)
| Caring for Our Children (CFOC) 1st Edition 1993. (ECPQIM2)
| Stepping Stones 1st Edition 1995. (ECPQIM2)
| Child Care Development Fund (CCDF) enacted 2001. (ECPQIM3)
| Child Care Aware First Report Card 2007. (ECPQIM3)
| OPRE/ACF Validation Brief 2012. (ECPQIM4)
| Differential Monitoring Logic Model (DMLMA) 2012-13. (ECPQIM4)
| CCDBG Bill, CCDF Rule, CFOC-Basics, OCC/ASPE Papers 2013-15. (ECPQIM4+)

The following graphics represent the previous generations of ECPQIM 1-4 beginning in 1975 up to the present model (DMLMA, 2013).

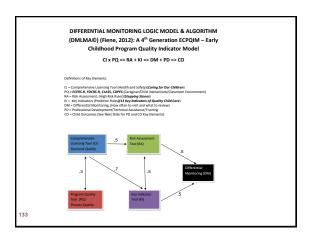


ZERO TO THREE's Better Care for the Babies Project: A System's Approach to State Child Care Planning—Griffin/Fiene (1995), (ECPQIM 2), 1995 - 1999 Inputs Processes Outcomes Consistent Data Collection Combined/Cost-Effective Use of Resources to Meet State Priorities Agency Rule Making Authority Interagency Review Comparison State Standards to National Guidelines Identifying Gaps & Weakness Regulations, Requirements, Codes, Strength/Clarity of Rules Reduced Duplication of Rules Consistency Across Agencies Funding Rules Compliance Study &State Profile Rule Change/Clarification Guidance Material Training & TA Consumer Materials Monitoring System Monitoring Efficiency Program Compliance Targeting Resources to Licensing Registration Areas of Need Monitoring Effectiveness Training & Technical Assistance Program Weighted Indicator CCR&R Local CC Programs CC Organizations Consumers Monitors Compliance Field Survey Focus Groups Public Hearings Consensus-Building Increased State-Local Cooperation

Early Childhood Program Quality Indicator
Model 3—Fiene & Kroh, (2000)

CO + PO = (PD + PC + PQ)/PM

Where:
CO = Child Outcomes
PO = Provider Outcomes
PD = Professional Development
PC = Program Compliance/Licensing
PQ = Program Quality/QRIS
PM = Program Monitoring



Early Childhood Program Quality Improvement and Indicator Models (ECPQI2M0—4+©)

ECPQI2M0© 1972 – 1974. Regional Model; EMIS (Fiene, 1975).

ECPQI2M1©: 1975 – 1994. Qualitative to Quantitative; focus on reliability; data utilization; distinctions between program monitoring and evaluation; Key Indicators, Weighted Rules, & principles of licensing instrument design introduced. (Fiene, 1981; Fiene & Nixon, 1985).

ECPQI2M2©: 1995 – 1999. Policy Evaluation and Regulatory Systems Planning added to model. (Griffin & Fiene, 1995).

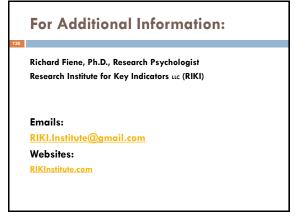
ECPQI2M3©: 2000 – 2011. Inferential Inspections & Risk Assessment added to model. (Fiene & Kroh, 2000).

ECPQI2M4/4+©: 2012 – present. Validation with expected Thresholds & Differential Monitoring added; Quality Indicators introduced. (Fiene, 2012, 2013b, 2015).

Borrand, Smith, Flene, Svenice (2006). Evolution of Pennsylvanic's Keystone STARS Quality Rating and Improvement System, Pithobugh, Pennsylvania, Office of Child Development. Class (1977). Ilucensia, yearblade dimension, Pitho Child Care Avera – NACCRA (National Association of Child Care Resource and Referred Agencies) did one using the Child Care Avera – NACCRA (National Association of Child Care Resource and Referred Agencies) did one benchmars, International Journal of Child Care and Education Poliny, 7 (1), 1-15. Fines (2013 Sp. 18fersented monitoring logic model and algorithm. Middletown. Pennsylvania, Research Institute for Key Indicators. Fines (2013 Sp. 18fersented monitoring logic model and algorithm. Middletown. Pennsylvania, Research Institute for Key Indicators. Fines (2013 Sp. 18fersented monitoring logic model and algorithm. Pennsylvania, Research Institute for Key Indicators. Fines (2013 Sp. 18fersented monitoring logic model and algorithm. Pennsylvania, Research Institute for Key Indicators. Fines (2013 Sp. 18fersented monitoring Institute for Key Indicators. Fines (2013 Sp. 18fersented monitoring Institute for Key Indicators. Fines (2007). Child Development Program Feutosian A. Caregina Chaevation Socia, in 1 Halle (Ed.), Early Care and Education Quality Measures Composition, Workington, D.C.: Child Treads. Fines (2003). University and Secretary of Pennsylvania and Everatory for Planning and Evolution, US Department of Health and Human Services. Fines (2002). Improving child care quality through an Infant careginer memoring project, Child and Youth Care Forum, 31 (2), 73-83.



For the interested reader, please consult the following excellent publications by the Assistant Secretary's Office for Planning and Evaluation, the Office of Child Care, and the National Resource Center for Health and Sofety in Child Care that will provide additional insights into program monitoring in general, differential monitoring in particular, risk assessment and key indicator systems: ACF/Caring for Our Children Besics: https://www.act.htm.gov/program/ecd/caring-for-our-children-basics NRC/Stepping Stones to Caring for Our Children: https://www.act.htm.gov/program/ecd/caring-for-our-children-basics NRC/Stepping Stones to Caring for Our Children: https://gosphing.comes to Caring for Our Children: https://gosphing.comes/basic-sport/13-indicators-quality-child-care ASPE/Manistoring White Paper: http://spoe/his.gov/basic-sport/13-indicators-quality-child-care ASPE/Manistoring White Paper: http://spoe/his.gov/basic-sport/13-indicators-quality-child-care ASPE/Manistoring White Paper: http://spoe/his.gov/basic-sport/13-indicators-quality-child-care ASPE/Manistoring White Paper: http://spoe/his.gov/basic-sport/13-indicators-quality-child-care ASPE/Manistoring White Paper:



nara RIKI