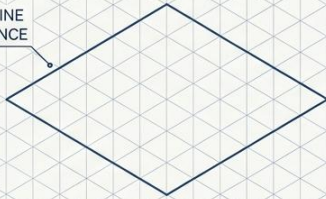


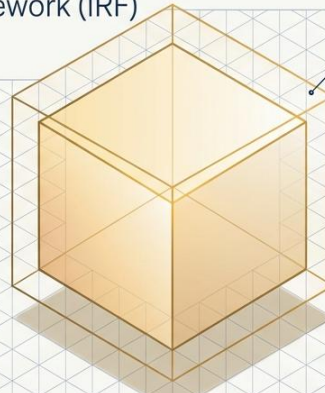
From Blueprint to 3D Render: The New Paradigm of ECE Regulatory Science

Integrating the Integrated Regulatory Framework (IRF)
and Contact Hour Quality (CH+) Metrics

2D BASELINE
COMPLIANCE



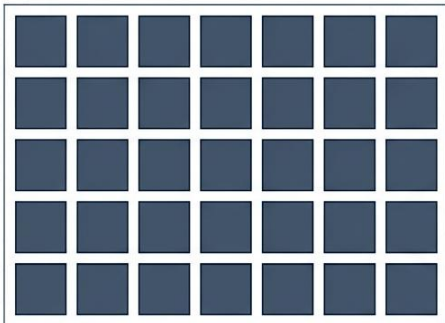
3D PROGRAM
QUALITY & CH+



Based on the research of Richard Fiene, PhD, Penn State Edna Bennett Pierce Prevention Research Center.

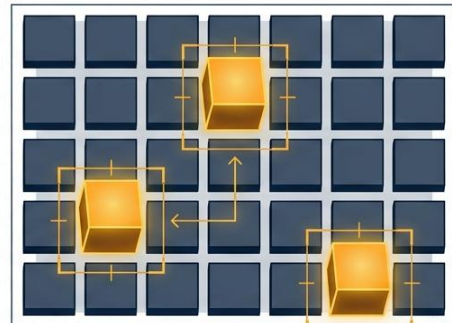
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THE LEGACY MODEL: ONE-SIZE-FITS-ALL



- UNIFORM PROGRAM MONITORING
- NOMINAL FREQUENCY VIOLATION COUNTS
- FULL-SCALE LICENSING REVIEWS FOR ALL PROGRAMS REGARDLESS OF HISTORY

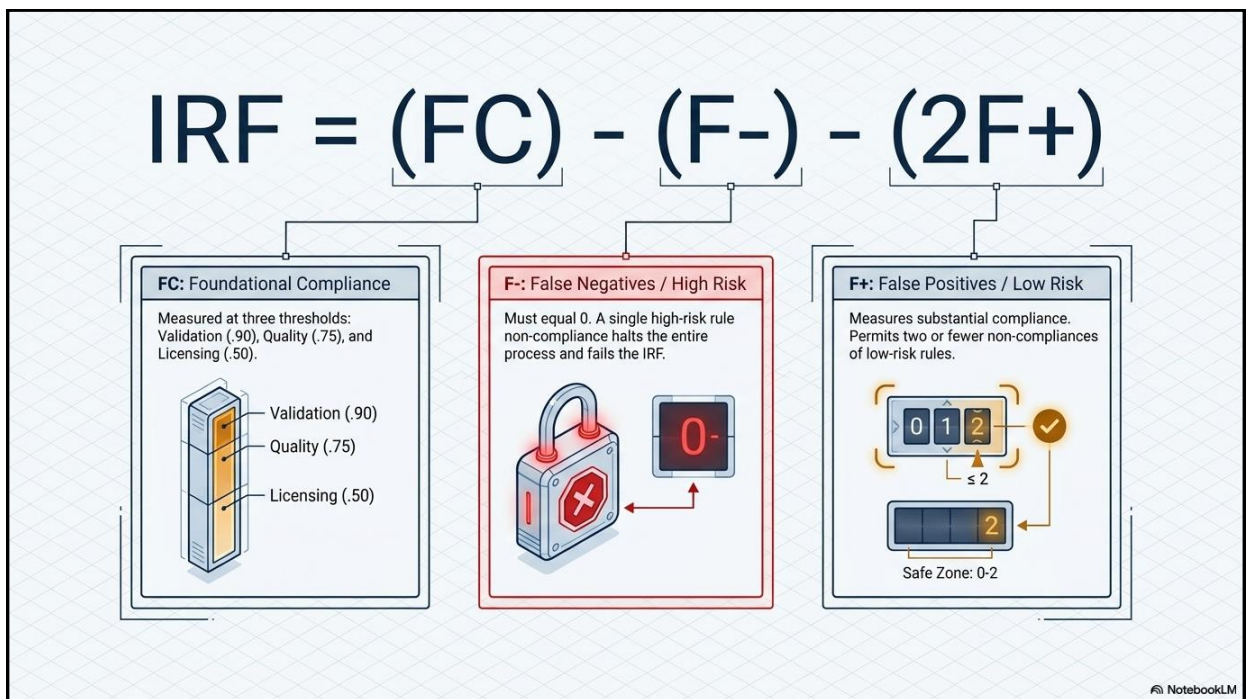
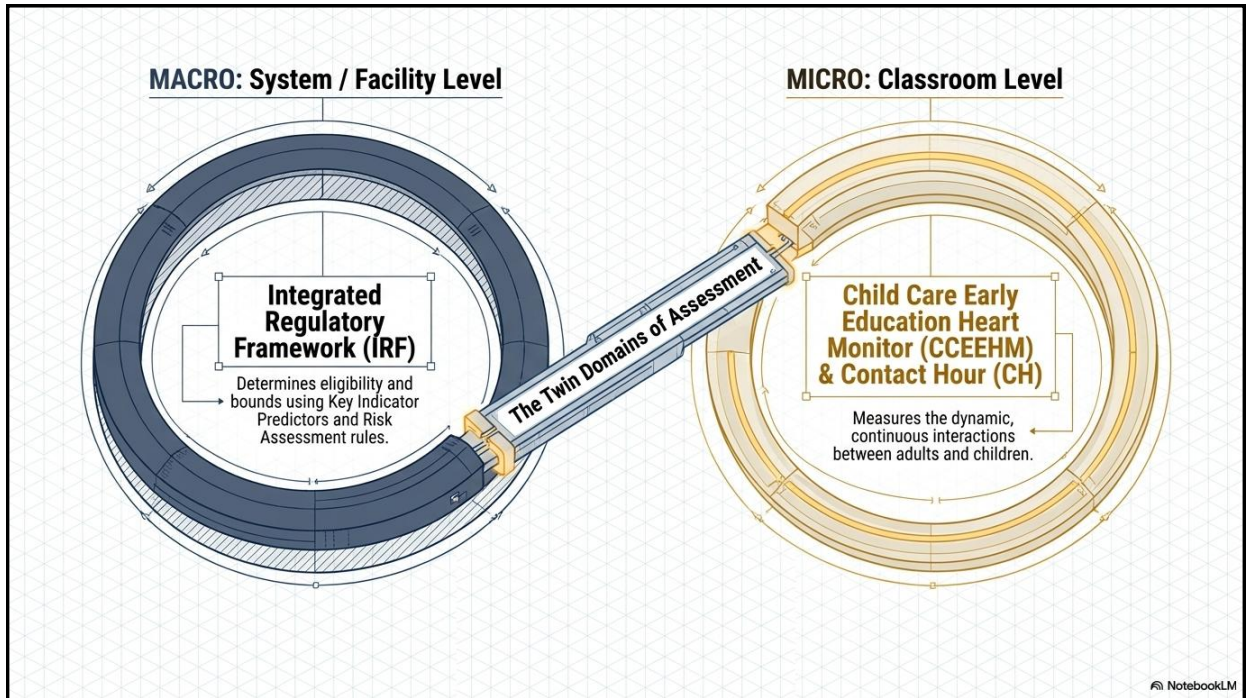
THE PARADIGM SHIFT: TARGETED & DATA-DRIVEN



- EMPIRICAL EVIDENCE-BASED TARGETING
- DRIVEN BY THE THEORY OF REGULATORY COMPLIANCE
- EXPLICIT REWARD SYSTEM

ONLY MEANT TO BE USED WITH THE MOST
COMPLIANT AND HIGH-QUALITY ECE PROGRAMS.

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Master Alignment Table: IRF to Practical Tiers (Crosswalk Matrix)

The Differential Monitoring Zone

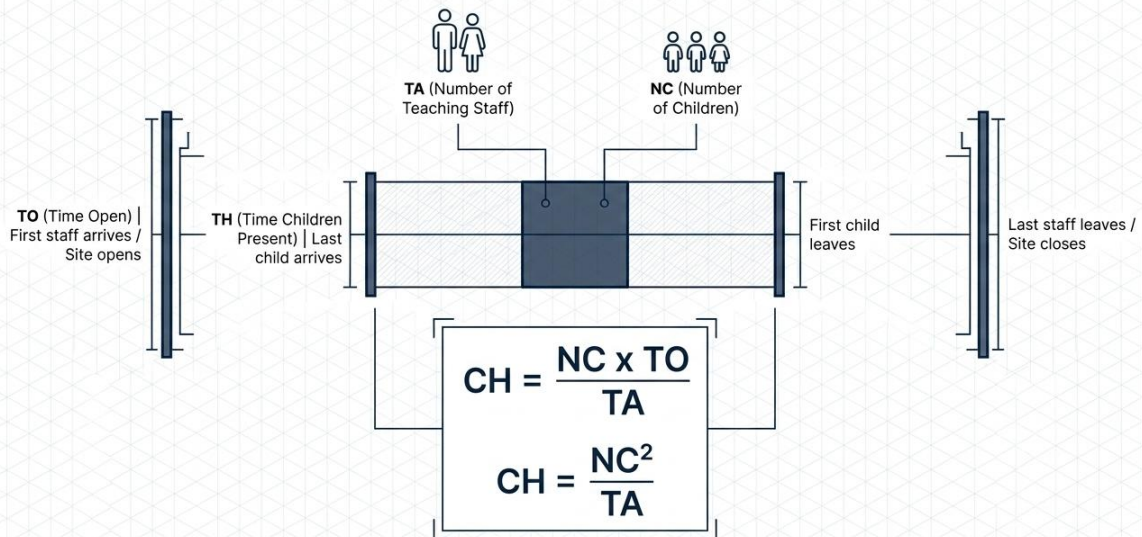
Scale Result (RCS Tier)	IRF Math Range	High-Risk Rules (F-)	Low-Risk Rules (F+)
7 (Full)	+2.15	0	0
5 (Substantial)	+1.15 to +.15	0	1-2
3 (Medium)	-.75	0	3+
1 (Low)	-3.00+	1	10+

3x3 Heatmap Matrix



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Contact Hour (CH) Variable Map: 2D Baseline Framework

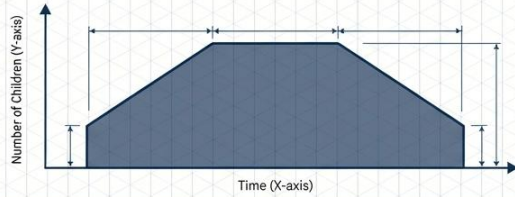


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The Geometry of Density

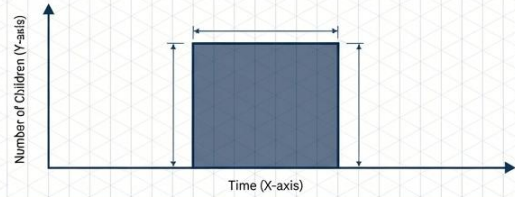
The Realistic Model

Gradual accumulation



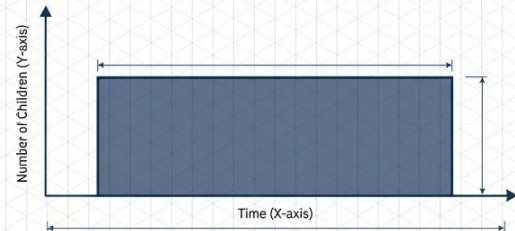
The Reference Point

100% Efficiency



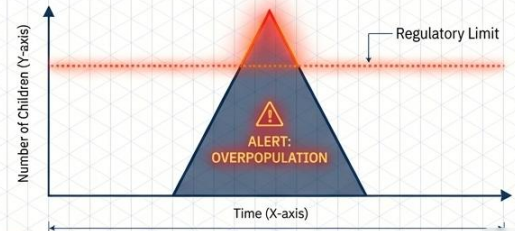
Extended Exposure

Higher total contact hours without breaking ratios



Regulatory Non-Compliance

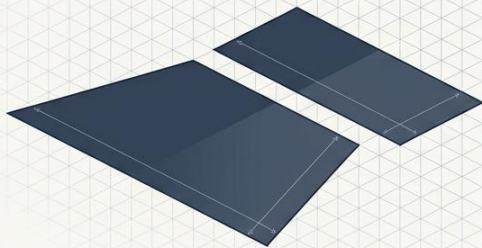
Overpopulation



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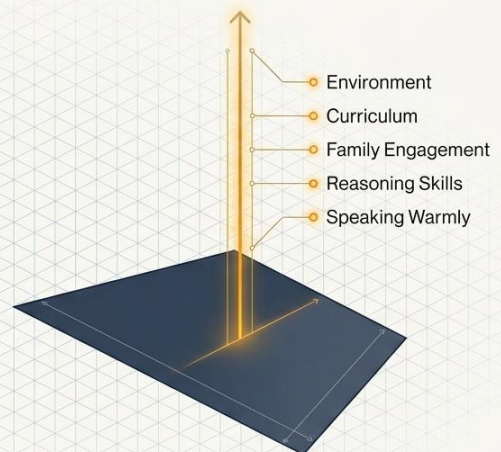
The Limit of 2D

The 2D CH only measures regulatory compliance: adults, children, and time. It is a static, flat measurement of presence, not experience.



The Quality Imperative

The Z-Axis: The 10 Program Quality Indicators (PQIs).



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