# Child Death Investigation and the Office of the Chief Medical Examiner

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Office of Chief Medical Examiner
Tidewater District

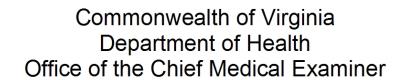
## Objectives

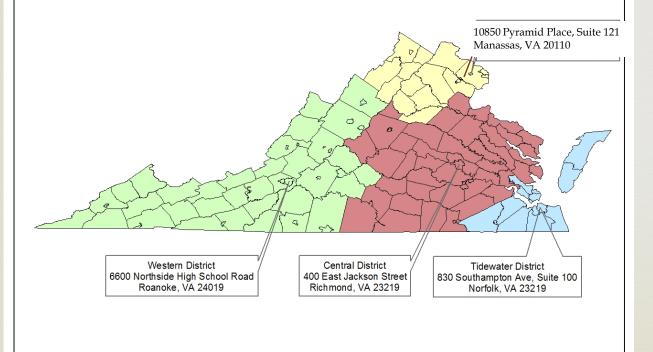
- OCME roles and responsibilities



#### **OCME**

CB





- CR VDH
- **№** §32.1-283
  - **S** Trauma
  - **Unattended**
  - Sudden in apparent good health
  - In custody
  - "SIDS"/unexpected deaths in children 18 mos. or younger

## Roles at the OCME

- Assistant Chief Medical Examiners
- Representation of the company of the
- Cocal Medical Examiners

# Who is the Assistant Chief Medical Examiner?

- Medical school − 4 years

## Who is your Local Medical Examiner?

- Calocal physicians, NPs or PAs appointed for three years.

- ™Do most "cremation views"
- ∝Part time job, paid by the case

## Autopsy technicians?

- - Take out organs, move and clean bodies, release bodies to funeral home
  - Assist with radiology, collecting samples for testing
  - Usually some funeral home/medical experience
  - May be trained on the job

## Medicolegal death investigators?

- Assist doctors by collecting scene information, personal info, history of deceased, medications?, police info
- Take case calls work with Local ME/police
- Coordinate with DFS and police to ID body
- Represent the OCME at scenes 24/7 coverage
- Coordinate with Organ/Tissue Donor agencies
- Teach police, first responders, hospital staff
- ABMDI certified

## What is an autopsy?



- - ☑ Dissection of organs
  - Collect samples toxicology, microscopic exam
  - Interpret wounds and collect evidence
  - "Death investigation" = Autopsy or external exam taken in context of decedent's history and scene

## What comes next?

- Amend DC if necessary

### Cause vs. Manner

- Manner = HOW the cause of death occurred
  - ☑ Natural no external factors
  - Accident external factor without intent (by self or others) to cause harm
  - Suicide intent to cause self harm
  - Homicide intent by other(s) to cause harm
  - Undetermined unable to reasonably determine between two or more of the other choices

#### Causes of death in children?



- Depends on the age

- - **S** Eventually explained
  - **Unexplained**

## Possibilities

Child's age	<b>Explained</b>	<u>Unexplained</u>
Birth to few weeks	Overlying Congenital Infections Homicide	Too early for SIDS – possibly SUID, genetic arrhythmias
SIDS range (few weeks to 6 months)	Homicide Unsafe sleep/asphyxia Infections	SIDS, SUID
7 mos – 1 year	Homicide, Asphyxia	SIDS, SUID, undetermined
Over 1 year	Unusual natural diseases, homicide, infection, accidental trauma (MVC, drowning)	SUDC

### Manner of Death

#### CB

- Natural any natural disease process unrelated to trauma.
- Suicide intent to die or self-harm with foreseeable consequence.
- Homicide at the hands of another with intent
- <u>Undetermined</u> not sure despite complete autopsy and thorough police investigation
- **™Pending** we haven't decided yet!

## Does "Natural" or "Accident" mean no one committed a crime?

#### CB

- @NO!
- Accident = Hit & Run, DUI, drug overdose and many more!
- - Allowing someone to die from their natural processes without intervening is a natural death
  - Not providing the care someone needs (and you are responsible for) to prevent that death = NEGLECT

# Does "homicide" mean someone's going to jail?

- Not necessarily
- "Homicide" (ME term) does not always equal "Murder" (legal term)
- Representation of the Homicides that may not result in charges:
  - Self defense
  - **4** Hunting accidents
  - Police involved shootings

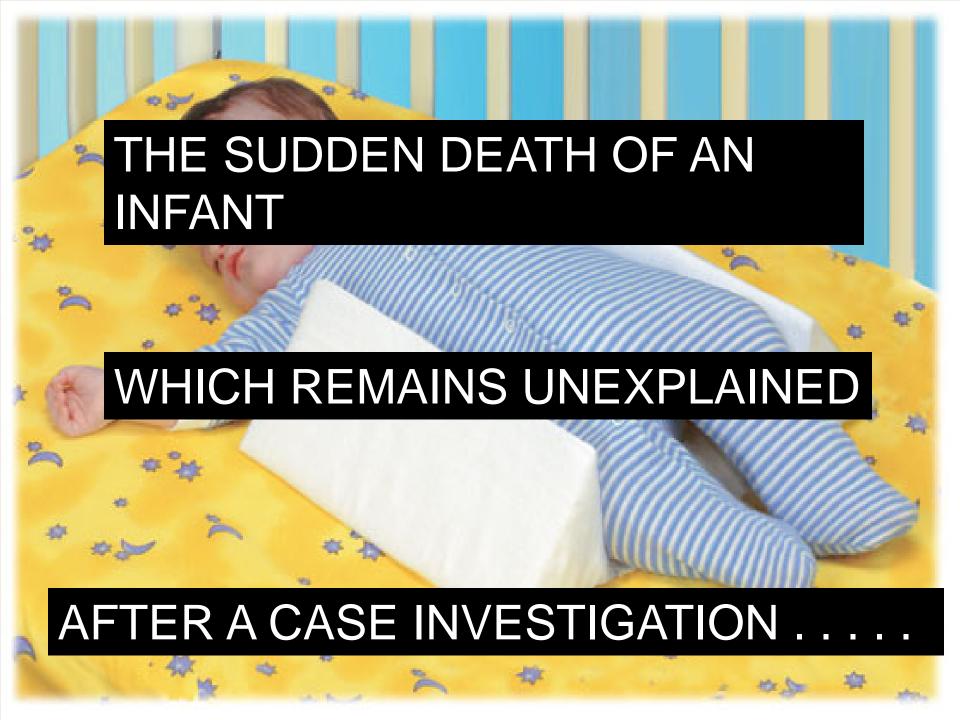
## Types of homicide?

#### CS

- Asphyxial suffocation, strangulation, drowning
- Representation of the Poissoning
- Neglect with intention of causing death (starvation, dehydration, hyperthermia/hypothermia)
- Retty much any type of external trauma!

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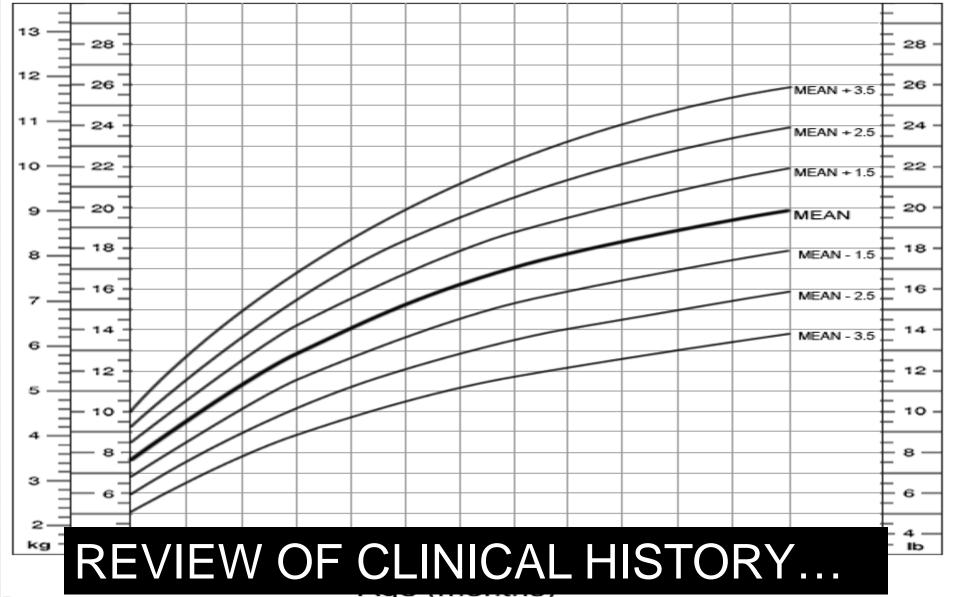
## So, what is SIDS?





#### Average Growth of Breastfed Girls

From WHO data for a small set of infant girls who were breastfed for at least 12 months (see reference below).



Source:

Figure 15: Weight-for-age of girls in the "12-month breast-fed pooled data set" from: WHO Working Group on Infant Growth. An Evaluation of Infant Growth: a summary of analyses performed

WHO Working Group on infant Growth. An Evaluation of Infant Growth: a summary of analyses performed in preparation for the WHO Expert Committee on Physical Status: the use and interpretation of anthropometry. (WHO/NUT/94.8). Geneva: World Health Organization, 1994, p. 60.



## Problems with "SIDS"?

- Mistaken belief that it is a true "syndrome" with single cause
- Calculate Company Com
- - Can we ever really exclude suffocation (accidental or homicidal)? Do families always tell us the truth about sleep environment?

## §32.1-285.1

#### 03

"An autopsy shall be performed in the case of any infant death which is suspected to be attributable to Sudden Infant Death Syndrome (SIDS). For the purposes of this section, "Sudden Infant Death Syndrome" (SIDS), a diagnosis of exclusion, means the sudden and unexpected death of an infant less than eighteen months of age whose death remains unexplained after a thorough postmortem examination which includes an autopsy."

# SUID – when can you not call it "SIDS"?

- Natural disease at autopsy sufficient to cause death
- - ?Munchausen's by proxy
  - CS Prior/remote injury
  - Prior child/infant death in family?
- - Smothering?
- Risk factors for non-natural death
  - Unsafe sleep environment

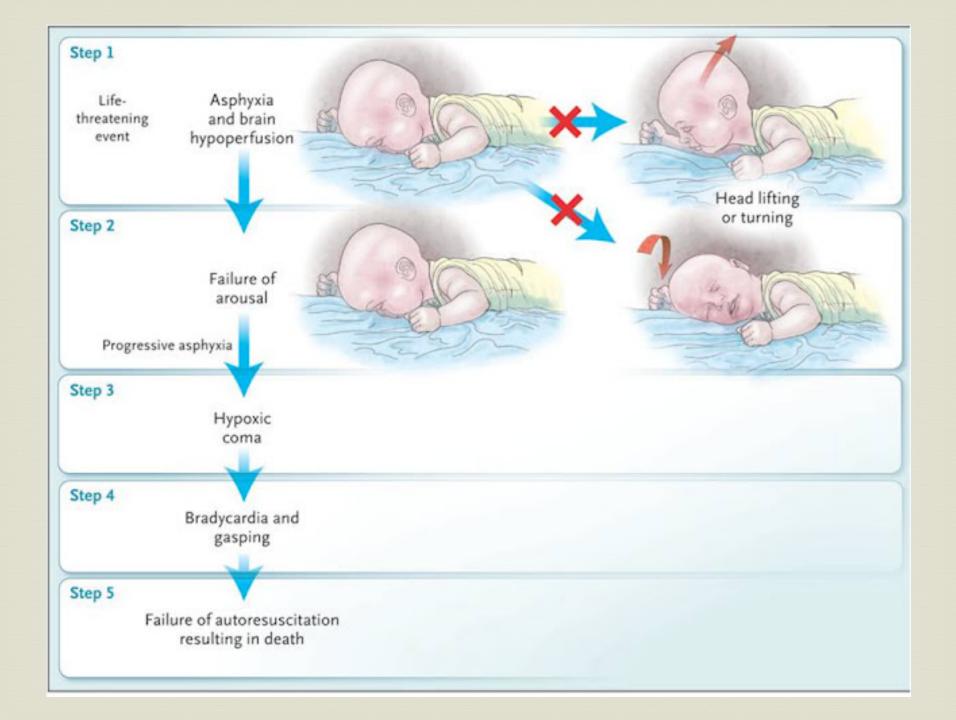
# What is a "safe" sleep environment?



- No bumper
- No toys
- No loose clothing
- No adult bedding (blankets, comforters)
- Firm mattress/sleep surface
- **GRACE UP**

# What is an "unsafe" sleep environment?

- **EVERYTHING ELSE**
- Sleeping on non-firm surface
  - Adult bed, couches, pillows
- R Prone
- Unsecured in car seats, swings, etc.



# What is a "thorough postmortem examination"?

- Autopsy
- Ran-culture

### SUIDI Form



- Why is the medical history and birth history important?

## Scene

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TURN OVER TO MLDI to demonstrate scene reenactment and provide district specific case examples

### Cases

- (WHY is the SUIDI, scene and other info needed)

## What can law enforcement do to help us?

- - ☑ Do stories change? Are explanations reasonable?
- - SUIDI form sleep environment, medical history (or at least treating doctors names)
  - 2 Past abuse or child deaths
- Scene RE-ENACTMENT with photos

## What can DSS do to help us?

#### CB

- □ DSS reports may have different information from LEA

## What can the Commonwealth Attorney's office do to help us?

- CS
- - Meet with us, call us, we are happy to help.
- Remember, for however long we have to sit in a witness room, it takes away from our finishing your other cases! Please be mindful of the pathologist's time when scheduling testimony.

## What can we do to help you?

- - ASK TO SPEAK TO PATHOLOGIST! All other staff can only relay COD/MOD and if its "pending" that doesn't help you!
  - ☑ DO NOT try to "guess" what our report means
- Œ Education what do you think we're doing today?

- ☐ If you need reports for prelim hearings call us! We can provide a provisional report if needed.

03

## Questions?