"The Electronic Encyclopaedia of Perinatal Data"(EEPD)

Founding Editor: Rupert Fawdry, FRCOG, FRCS (www.eepd.info)

"Working towards a "Web 2 / Wikinomics" approach to the unavoidable Hybrid between Paper and Electronic Patient Records for Shared Hospital/Community Care ; especially in Perinatal Care (- but also a template for other specialities?)"
FUNDAMENTAL PROPOSITION. Electronic Patient Records (EPRs), in each speciality and sub-specialty, will only attain their true potential to reduce the risk of human error when - following intense, open, web-based discussions" their detailed, chronologically arranged, flow-patterned questions (and all allowable answer options), taking account of all interested parties are, by stages, universally standardised; Such specifications will only become universally standardised if they are cost-free to all potential users.

Aim of the EEPD: An attempt to provide access - through a single website - to the diverse material which will eventually be required to create workload/cost-aware internationally-standardised Maternal and Neonatal Electronic Patient "Records" (EPRs) and associated paper records which gives priority to "Individual Patient Care" (especially "Patient Encounter Assistance") rather than to "Paralysis by Analysis"

1   **Discussion Documents**   > 40 essays on topics currently lost between Acute Hospital Medicine and Medical IT

2   **"Nightmare Findings"**. Why such a problem? Typical Example: 8 C/S Proformas. 280 printed items, only 3 identical items! etc 1000s of potential Data Items so far identified from casenotes, datasets and proformas.

3   **Datasets**. More than 100 Existing Incompatible Perinatal datasets so far identified. Printed Casenotes, Risk Lists, Data Requirements, Birth Surveys, Databases, Standard Proformas, Proposals etc.   Both Original Versions and then, as often as possible, with the same data items Edited and Re-sorted Chronologically.

4   Perinatal Data Item **Resource Document**. Integration of most Volume III items in Chronological Order with a Detailed Analysis and Comments on each potential item.

5   Maternal & Neonatal **"Logical Priority"** > 900 Chronologically Arranged, Flow-Patterned Dataset Proposals "Individual Care" items for "FOUR Sites" maternity systems (VDU & printers at Scan, in Labour & Maternity Wards and SCBU only)

Creating cost effective computer programs under the headings which follow is strongly dependent on first achieving international standardisation of all flow-patterned, relevant questions & all allowable answer options. Assuming the above may eventually bring order to the present destructive chaos, the following volumes build on that potential by focusing on those parts of current medical practice where it will eventually be most helpful for all perinatal IT companies to have easy access via a single information resource in each sub-specialty to relevant updated professional knowledge, either directly or indirect via hyperlinks.

6   **"R.I.O.s"** (Realistic Input-Output Opportunities) Detailed Specifications for each potentially reliable opportunity to use a keyboard, a VDU and a printer in maternity care.

7   Assessment of **Prognosis**. Linking Electronic Data to Probabilities, Levels of Risk, Average Outcomes etc

8   **Signposts** (Guidelines and Protocols) from Experts. Documenting what electronic "Trigger Data" items with should lead to what individualised "Action Suggestions"   Based on as many authoritative sources as possible. Links to authoritative guidelines.

9   **Links to Leaflets**. a) A Checklist for all the leaflets which should now be easily available in a good O & G Department. b) Suggested links between electronic perinatal data and relevant leaflets or websites ("Prescribable Connections")

10 **Whiteboards**. What sets of data should automatically be displayed on the computer at each R.I.O?

11 **Casenotes** for Maternity & Neonatal Care - Hand-held and Hospital Versions from many sources. Principles, Examples and Recommended Printed Data Items e.g. The Green Notes, The Pregnancy Notes etc.

12 **Proformas** for Maternity & Neonatal Care (And Gynaecology) Principles, Examples and Recommended Sets of Data Items. Full set of draft Obst/Gynae Operation Proformas

13 **Printouts** Computer-Generated Paper (and Sticky Label) Datasets and Designs (mainly as originally personally created on my Acorn PC; and subsequently used by Protos.)

14 **Carepaths**   - Samples of, and hyperlinks to, relevant care pathways and algorithms.

15 **"S.IN.B.A.Ds"** (Standard INter-program Bundles of Associated Data). Subsets of data which need to move from one computer system to another e.g. Pathology or Anaesthetic data to Maternity, GP to Hospital. (Relevant to INTER-OPERABILITY)

16 **Questionnaires** Booking History, Debriefing, Care Quality, Audit and Staff Morale Samples

17 **Codes**. Easy Access to the main ICD, OPCS, Read, and SnoMed relevant to Perinatal Medicine (& Gynae)

18 Suggestions for Electronic **Audit**, Outcome, & Benchmarking by Monthly Topic. Dashboards

19 F**ilofaxes & Local Guidelines**. Perinatal & Gynae Protocols for Personal Use or Editing (Filofax or scaled to A4 size)

20 **Anecdotal Evidence**. Chronologically arranged Individual Case Reports.(Direct or by Internet links)

21 **Learning** e.g. Powerpoint templates for free use. Voluntary Contributions welcome. RCOG OSAT items.

22 **Organisation** Items potentially useful in the Organisation of Maternity Care

23 **Equipment** Items relevant to Equipment e.g. A minimal cost infant resuscitation trolley.

24 **Prescribable Leaflet Collection** More that 100 free leaflets for direct use, or for local editing

25 **Safe-Motherhood** Items and Hyperlinks relevant to Maternity and Paediatric Care in the Two Thirds World

26 **Neonatal** Hyperlinks to items relevant to an eventual Electronic Encyclopaedia of Neonatal Care.

27 **Fertility** Hyperlinks to items relevant to an eventual Electronic Encyclopaedia of Fertility

28 **Uro-gynaecology**. Items relevant to an eventual Electronic Encyclopaedia of

29 **Gynaecological Oncology** Items relevant to an eventual separate Electronic Encyclopaedia.

30 **General Gynaecology**. Items relevant to an eventual Electronic Encyclopaedia of Gynaecology.

Appendices   A. **INITIATIVES, mainly U.K.** relevant to the creation of Maternity & Neonatal Datasets and EPRs
                B. Related **WEB** Sites
                C. **COMMERCIAL** Companies involved with Maternal & Neonatal EPRs
                D. Comments Maternal & Neonatal **IT CONTRACT SPECIFICATIONS**
                E. Useful Computer **PROGRAMS**
                F. **PUBLICATIONS** relevant to the development of EPRs - especially out of print and inaccessible,
                G. **CONTACTS** Adds & Tel. Nos (e.g. UK Birth Institutions, Direct Lines for Intra Uterine Transfers)
                H. **NOW.** An update on the current use of Paper and Electronic Patient Records in UK Perinatal Care
                I. Other **LANGUAGES**