

# Tees, Esk and Wear Valleys (TEWV) NHS Foundation Trust: Embracing SNOMED CT in Mental Health

## Summary

Tees, Esk and Wear Valleys (TEWV) Mental Health Trust began using the Mental Health Data Set (MHSDS) to submit their mental health data in January 2016, and with it embraced the introduction of SNOMED CT terminology. Their initial focus of attention has been on interventions and assessments.

Jo Dent, Corporate Information & Clinical Coding Manager at the trust, discusses the considerations and implications recognised in the uptake of the MHSDS, and reflects on the benefits attributed to capturing their data set using SNOMED.

## Organisation profile

TEWV provides mental health and learning disability services across County Durham and Darlington, Teesside and most of North Yorkshire. With over 6,500 staff and an annual operating income of over £300 million, TEWV deliver services by working in partnership with local authorities, clinical commissioning groups, and organisations in the voluntary and private sector, as well as with service users and the public.

They have five operational directorates, one for each of their localities. Within each local area they have four clinical directorates dedicated to the mental health division:

- adult mental health and substance misuse services
- mental health services for older people
- children and young people's services
- learning disability services



The trust has accomplished a [great deal over the past ten years](#), and are committed to using healthcare informatics to improve the care that they deliver. One of the most recent advances involves the introduction and use of SNOMED CT within the mental health services data set (MHSDS).

## The Mental Health Services Data Set (MHSDS)

The [MHSDS](#) is a patient level, output based, secondary uses data set which delivers robust, comprehensive, nationally consistent and comparable person-based information for children, young people and adults who are in contact with mental health services. It is the data source used for the implementation of mental health currencies and payment (formerly PbR) and aims to re-use clinical and operational data.

SNOMED CT, the national standard ([ISN SCCI0034](#)) required for clinical terminology, is used for collecting data within the MHSDS; thereby contributing towards [NHS England's five year forward view plan for Mental Health](#).

## Benefits of SNOMED CT

Guidance released by the Royal College of Psychiatry provides a list of recommended SNOMED codes to improve the quality of data captured in the patient record, and thus the quality of data flowed to the MHSDS. This enables more meaningful analysis to be conducted which provides better visibility of activity and in turn can lead to improvements in the outcome for those experiencing mental health problems. By incorporating SNOMED, it is planned that the need for case level audit of NICE compliant care delivery is no longer required; reducing the burden on trusts.

## Implementation

January 2016 saw TEWV go live with the MHSDS. With this came several considerations for the trust to address: namely, Civica PARIS (the trust's electronic patient record system) was not developed to provide SNOMED terminology. Changes to the front end of a clinical system to make PARIS compliant, and the associated training this may require for clinical staff could raise complications.



However, the requirement to use SNOMED as part of the Access and Waiting time standards for Early Intervention in Psychosis and Children's Eating Disorders was recognised as a notably approaching deadline for the trust to address.

The Technical Change Board within TEWV agreed to map current clinical intervention codes to SNOMED in acknowledgement of forthcoming deadlines. Data returns for the MHSDS currently incorporate SNOMED; as per NHS England's guidelines, by April 2020 all items must be submitted via SNOMED CT.

As part of the MHSDS implementation, TEWV established a working group, which consisted of clinicians, system developers, mental health act officers and information analysts. Engagement with clinicians was fundamental to ensure mapping of interventions and assessments to SNOMED was accurately coded.

PARIS contains the list of interventions delivered by the Trust; these have been developed locally and configured into the Paris system. Each intervention was mapped to an appropriate SNOMED code using the online material available. This included the ["NHS England guidance for Access and Waiting time standards to Children's Eating Disorders"](#) and the ["Early Intervention in Psychosis \(EIP\) documentation"](#).

The latter document describes how to record and report on interventions and outcomes using SNOMED, alongside how to submit data to NHS Digital as part of the MHSDS. As each intervention was mapped to a SNOMED code, input from clinical and informatics support staff ensured that the meaning of the intervention (from the trust perspective), was not compromised.

***"as per NHS England's guidelines, by April 2020 all items must be submitted via SNOMED CT"***

Supporting documentation with clinical narrative describing the coverage of each intervention, is available to trust staff.

The implementation approach allowed for clinicians to use PARIS via usual protocol and for the mapping conversion to occur in the background when producing the MHSDS submission file. This caused no additional burden or training requirements for clinical staff.

TEWV found that with prior impact assessments completed, a collaborative approach with staff, alongside the aforementioned online supporting material, the transition to providing SNOMED in the MHSDS was a straight forward one.

## Next steps

The approach TEWV undertook is a first step towards SNOMED compliancy. The trust is presently looking at how SNOMED can be applied to information recorded in PARIS specifically, alongside Physical Health and EIP related interventions, observations and findings. In addition, the trust is implementing an internal SNOMED review cycle to ensure the mapping currently in place remains accurate. This current approach will be adhered to whilst further work is continued to ensure the trust have the most up to date and available technology in facilitating a non-burdensome method of recording SNOMED codes for point of care delivery by clinicians.

## Information and technology for better health and care

## Tees, Esk and Wear Valleys (TEWV) NHS Foundation Trust: SNOMED CT intervention mapping and descriptions

**Please Note:** These are provided in good faith by TEWV; these SNOMED codes as used by TEWV are part of a regular refresh cycle and reflect agreed understanding in TEWV. They should be cross checked against the NHS SNOMED CT browser to ensure they accurately reflect the intervention delivered by any other Trust

| Code    | TEWV Intervention Description                       | Assigned SNOMED code | SNOMED preferred term                       |
|---------|---|----------------------|---|
| ASSESS1 | initial comp. assess. not accepted into tewv        | 163801000000107      | Specialist mental health assessment         |
| ASSESS2 | initial comp. assess accepted into tewv             | 163801000000107      | Specialist mental health assessment         |
| ASSESS3 | ongoing assess. patients accepted into tewv         | 163801000000107      | Specialist mental health assessment         |
| ASSESS4 | diagnosis specific assessment                       | 165197003            | Diagnostic assessment                       |
| ASSESS5 | assess of mental state & risk use of rating scales  | 248691000000104      | Mental health review follow-up              |
| CCO1    | care co-ordination review                           | 391278007            | Mental Health Care Coordination             |
| CCO2    | case formulation meeting                            | 861361000000109      | Mental health care and treatment planning   |
| CCO3    | discharge meeting from tewv                         | 391278007            | Mental Health Care Coordination             |
| CCO4    | staff advice, supervision & cons (verbal/ written)  | 386447008            | Staff supervision                           |
| CCO5    | patient advice, inc information leaflets/documents  | 887221000000101      | Information given                           |
| CCO6    | liai/comm. oth agency out. formal meeting mha repor | 109841000000108      | Interagency mental health care coordination |
| FCI1    | information giving                                  | 865031000000103      | Informing carer                             |
| FCI2    | carers assessment                                   | 824621000000104      | Assessment of needs of carer                |
| FCI3    | safeguarding  | 887041000000104      | Safeguarding issues                         |
| FCI4    | carer welfare                                       | 135893005            | Carer support                               |
| FCI5    | family interventions                                | 710149006            | Promotion of family support                 |
| GPT1    | interpersonal psychotherapy                         | 443730003            | Interpersonal psychotherapy                 |

|       |  |                 |   |
|-------|--|-----------------|---|
| GPT10 | play therapy                                       | 76075007        | Play therapy  |
| GPT11 | behaviour therapy                                  | 166001          | Behavioural therapy                                   |
| GPT12 | behavioural family therapy                         | 108313002       | Family psychotherapy procedure                        |
| GPT13 | attachment based therapy for children/young people | 700445002       | Attachment-based therapy                              |
| GPT14 | child psychotherapy                                | 429159005       | Child psychotherapy                                   |
| GPT15 | integrated psychological therapy                   | 304826003       | Integrative psychotherapy                             |
| GPT16 | mindfulness based cognitive therapy/stress reducti | 933221000000107 | Mindfulness-based therapy                             |
| GPT17 | humanistic psychotherapy                           | 304825004       | Humanistic psychotherapy                              |
| GPT18 | group psychotherapy                                | 76168009        | Group psychotherapy                                   |
| GPT19 | group therapy                                      | 76168009        | Group psychotherapy                                   |
| GPT2  | cbt  | 304891004       | Cognitive - behaviour therapy                         |
| GPT20 | systemic family therapy                            | 794251000000100 | Systemic psychotherapy                                |
| GPT21 | mbt  | 933221000000107 | Mindfulness-based therapy                             |
| GPT22 | cognitive behavioural therapy for psychosis        | 718026005       | Cognitive behavioural therapy for psychosis           |
| GPT23 | focal psychodynamic therapy                        | 718023002       | Focal psychodynamic therapy                           |
| GPT24 | cat care planning                                  | 390773006       | Cognitive analytic therapy                            |
| GPT25 | evid based parenting intervention - conduct probs  | 883841000000104 | Cognitive behavioural therapy parenting programme     |
| GPT26 | cyp-iapt systemic family practice                  | 302245002       | Family, systemic, couple and sex therapy              |
| GPT27 | phased trauma therapy for complex trauma           | 406185000       | Trauma therapy  |
| GPT28 | family based therapy for eating disorders          | 51484002        | Family therapy  |
| GPT3  | counselling  | 409063005       | Counselling   |
| GPT4  | psychodynamic psychotherapy                        | 314034001       | Psychodynamic psychotherapy                           |
| GPT5  | emdr   | 449030000       | Eye movement desensitisation and reprocessing therapy |

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|--------|--|-----------------|--|
| GPT6   | cat  | 390773006       | Cognitive analytic therapy                           |
| GPT7   | dbt  | 405780009       | Dialectical behaviour therapy                        |
| GPT8   | art therapy                                    | 65153003        | Art therapy  |
| GPT9   | family and couples therapy                     | 440274001       | Couple psychotherapy                                 |
| HUDDLE | huddle   | 304561000       | Informing health care professional                   |
| LIF1   | social support                                 | 315042007       | Social support                                       |
| LIF10  | money management                               | 439259006       | Client involvement in management of their money      |
| LIF11  | occupational therapy                           | 84478008        | Occupational therapy                                 |
| LIF12  | driving consideration                          | 310859004       | Driving assessment                                   |
| LIF2   | work   | 228647003       | Work placement                                       |
| LIF3   | hobbies & interests                            | 816671000000100 | Hobbies and interests                                |
| LIF4   | accommodation                                  | 410297008       | Housing education, guidance, and counselling         |
| LIF5   | education                                      | 228115009       | Education provision                                  |
| LIF6   | aids & adaptations & environmental adjustments | 49062001        | Device   |
| LIF7   | adl mangement                                  | 183345007       | Daily living activity therapy                        |
| LIF8   | parenting support                              | 243116003       | Parental support                                     |
| LIF9   | relationship difficulties                      | 983671000000100 | Facilitating development of supportive relationships |
| MED1   | prescribing                                    | 33633005        | Prescription of drug                                 |
| MED2   | medicines management                           | 321301000000101 | Medicines management                                 |
| MED3   | admin of meds                                  | 18629005        | Administration of medication                         |
| MED4   | medication information                         | 967006          | Medication education                                 |
| MED5   | patient medication monitoring/review           | 410121009       | Management of compliance with medical regimen        |
| MED6   | admin & management of rt                       | 37750001        | Administration of tranquilliser                      |
| MED7   | interpretation of results                      | 363109007       | Evaluation of test results                           |

|       |  |                 |  |
|-------|--|-----------------|--|
| MED8  | diagnosis disclosure and support                   | 514171000000100 | Counselling about diagnosis            |
| PHI1  | health promotion                                   | 171434007       | Health promotion                       |
| PHI10 | structured exercise                                | 51998003        | Therapeutic exercise                   |
| PHI11 | restraint  | 784341000000106 | Control and restraint management       |
| PHI12 | seclusion monitoring                               | 225405007       | Observation whilst in seclusion        |
| PHI13 | ect  | 23835007        | Electroconvulsive therapy              |
| PHI14 | physiotherapy                                      | 91251008        | Physical therapy procedure             |
| PHI15 | speech & language therapy                          | 5154007         | Speech therapy                         |
| PHI16 | segregation monitoring                             | 225209004       | Removal of individual                  |
| PHI2  | assessment/treatment/management of physical health | 705139001       | Assessment of physical health          |
| PHI3  | systematic monitoring                              | 243855000       | Psychiatric disorder monitoring status |
| PHI4  | diet and nutrition                                 | 75118006        | Feeding patient                        |
| PHI5  | dietetics  | 386373004       | Nutritional therapy                    |
| PHI6  | palliative care                                    | 103735009       | Palliative care                        |
| PHI8  | health facilitation                                | 386320004       | Health system guidance                 |
| PHI9  | alcohol /drug support                              | 408935001       | Substance abuse prevention education   |
| PWB16 | behavioural activation                             | 443119008       | Behavioural activation therapy         |
| PWB19 | goal setting for recovery & staying well           | 713578002       | Identifying personal goals             |
| PWB20 | managing emotions                                  | 710965006       | Management of negative emotional state |
| PWB21 | hearing voices and unusual experiences             | 386316003       | Hallucination management               |
| PWB22 | psycho-education                                   | 702545008       | Psychoeducation                        |
| PWB23 | graded exposure activities                         | 225224008       | Exposure - behaviour therapy           |
| PWB24 | motivational interviewing                          | 713144002       | Motivational interviewing technique    |

|       |  |           |  |
|-------|--|-----------|--|
| PWB25 | peer support                                 | 243114000 | Support  |
| PWB26 | relational interventions                     | 386246002 | Establishing client relationship               |
| PWB27 | sleep interventions                          | 439035007 | Education about sleep hygiene behaviour        |
| PWB28 | positive behaviour support                   | 225333008 | Exposure - behaviour therapy                   |
| PWB29 | guided self help (eating disorders use only) | 444175001 | Guided self-help cognitive behavioural therapy |
| PWB6  | cognitive stimulation therapy                | 386241007 | CST - Cognitive stimulation therapy            |
| PWB7  | reminiscence & life history                  | 228549005 | Reminiscence therapy                           |

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